

**Appendix I:  
Noise Supporting Information**

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TABLE Existing-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Parkside Drive to Pine Street  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25400      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): 36      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	75.9	148.3	311.9

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TABLE Existing-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Pine Street to Pringle Avenue  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25700      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	71.5	147.1	313.5

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TABLE Existing-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Pringle Avenue to Central Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23500      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) = 64.36

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	67.9	138.8	295.5

TABLE Existing-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Central Road to Ygnacio Valley Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17900      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) = 64.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	53.4	114.4	246.1

TABLE Existing-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Parkside Drive to Pine Street  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7900      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
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0.0	0.0	87.8	183.4

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TABLE Existing-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Pine Street to Central Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9300      SPEED (MPH): 35      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) = 61.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	97.1	204.1



TABLE Existing-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Central Road to Ygnacio Valley Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9700      SPEED (MPH): 35      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) = 62.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	99.7	209.9

TABLE Existing-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: Pine Street - N. Main Street to N. Broadway  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2800      SPEED (MPH): 25      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) = 54.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	54.3

TABLE Existing-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: Pine Street - N. Broadway to N. Civic Drive  
NOTES: Walnut Creek-Mixed Use Special District Project - Existing

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3900      SPEED (MPH): 25      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	67.5

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TABLE Near-Term-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Main Street - Parkside Drive to Pine Street

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26800      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): 36      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	78.0	153.4	323.1

TABLE Near-Term-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Pine Street to Pringle Avenue  
NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26500      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) = 64.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	72.8	150.0	319.9

TABLE Near-Term-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Main Street - Pringle Avenue to Central Road

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24500      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	69.5	142.6	303.7

TABLE Near-Term-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Central Road to Ygnacio Valley Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18900      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) = 64.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	55.3	118.6	255.2

TABLE Near-Term-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Parkside Drive to Pine Street  
NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7900      SPEED (MPH): 35      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) = 61.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	87.8	183.4



TABLE Near-Term-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Pine Street to Central Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9000      SPEED (MPH): 35      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) = 61.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	95.1	199.8

TABLE Near-Term-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Central Road to Ygnacio Valley Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9700      SPEED (MPH): 35      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) = 62.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	99.7	209.9

TABLE Near-Term-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: Pine Street - N. Main Street to N. Broadway

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 2800      SPEED (MPH): 25      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	0.0	54.3

TABLE Near-Term-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: Pine Street - N. Broadway to N. Civic Drive  
NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3900      SPEED (MPH): 25      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) = 56.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	67.5

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TABLE Near-Term Plus Scenario 1-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Main Street - Parkside Drive to Pine Street

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28000      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): 36      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	79.8	157.7	332.6

TABLE Near-Term Plus Scenario 1-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Main Street - Pine Street to Pringle Avenue

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 29900      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	78.3	162.3	346.6

TABLE Near-Term Plus Scenario 1-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Main Street - Pringle Avenue to Central Road

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24900      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) = 64.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	70.2	144.1	307.0

TABLE Near-Term Plus Scenario 1-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Main Street - Central Road to Ygnacio Valley Road

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19400      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	56.3	120.7	259.7



TABLE Near-Term Plus Scenario 1-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Parkside Drive to Pine Street  
NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8700      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	93.2	195.4

TABLE Near-Term Plus Scenario 1-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Broadway - Pine Street to Central Road

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10000      SPEED (MPH): 35      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) = 62.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	101.6	214.1

TABLE Near-Term Plus Scenario 1-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Broadway - Central Road to Ygnacio Valley Road

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12400      SPEED (MPH): 35      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

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\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	58.1	116.5	246.7

TABLE Near-Term Plus Scenario 1-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: Pine Street - N. Main Street to N. Broadway

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3400      SPEED (MPH): 25      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) = 55.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	0.0	61.7

TABLE Near-Term Plus Scenario 1-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: Pine Street - N. Broadway to N. Civic Drive

NOTES: Walnut Creek-Mixed Use Special District Project - Near-Term Plus Scenario 1

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4700      SPEED (MPH): 25      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) = 57.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	0.0	76.4

TABLE Cumulative-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Parkside Drive to Pine Street  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36000      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	91.6	185.0	392.6

TABLE Cumulative-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Pine Street to Pringle Avenue  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31200      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) = 65.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	80.3	166.9	356.5

TABLE Cumulative-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Pringle Avenue to Central Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30000      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) = 65.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	78.5	162.7	347.4

---



TABLE Cumulative-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Central Road to Ygnacio Valley Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24100      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) = 65.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	64.9	139.4	300.1

TABLE Cumulative-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Parkside Drive to Pine Street  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9900      SPEED (MPH): 35      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) = 62.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	101.0	212.7

---

TABLE Cumulative-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Pine Street to Central Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11000      SPEED (MPH): 35      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) = 62.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	108.0	228.0

---

TABLE Cumulative-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Broadway - Central Road to Ygnacio Valley Road  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13800      SPEED (MPH): 35      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) = 63.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	61.7	124.7	264.7

TABLE Cumulative-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: Pine Street - N. Main Street to N. Broadway  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3000      SPEED (MPH): 25      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) = 55.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	56.8

TABLE Cumulative-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: Pine Street - N. Broadway to N. Civic Drive  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4500      SPEED (MPH): 25      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) = 56.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	74.2

---

TABLE Cumulative plus Scenario 1-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Parkside Drive to Pine Street  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus Scenario 1

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 37300      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): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	93.5	189.3	401.9

TABLE Cumulative plus Scenario 1-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022  
ROADWAY SEGMENT: N. Main Street - Pine Street to Pringle Avenue  
NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus Scenario 1

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 34600      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) = 66.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	85.6	178.6	381.9



TABLE Cumulative plus Scenario 1-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Main Street - Pringle Avenue to Central Road

NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus  
Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30400      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) = 65.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	79.1	164.1	350.4

TABLE Cumulative plus Scenario 1-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Main Street - Central Road to Ygnacio Valley Road

NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24600      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) = 66.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	65.8	141.3	304.2

TABLE Cumulative plus Scenario 1-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Broadway - Parkside Drive to Pine Street

NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus  
Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10600      SPEED (MPH): 35      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) = 62.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	105.4	222.5

TABLE Cumulative plus Scenario 1-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Broadway - Pine Street to Central Road

NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus  
Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11900      SPEED (MPH): 35      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) = 63.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	56.8	113.5	240.1

TABLE Cumulative plus Scenario 1-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: N. Broadway - Central Road to Ygnacio Valley Road

NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus  
Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 16500      SPEED (MPH): 35      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) = 64.42

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	68.4	140.0	298.0

TABLE Cumulative plus Scenario 1-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: Pine Street - N. Main Street to N. Broadway

NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus  
Scenario 1

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3500      SPEED (MPH): 25      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) = 55.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	62.9

TABLE Cumulative plus Scenario 1-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 01/17/2022

ROADWAY SEGMENT: Pine Street - N. Broadway to N. Civic Drive

NOTES: Walnut Creek-Mixed Use Special District Project - Cumulative plus Scenario 1

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5300      SPEED (MPH): 25      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) = 57.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	0.0	82.7

