

APPENDIX E

NOISE DATA

TABLE Existing-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Mitchell Canyon Road to Oak Street

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10300      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 62.8   | 127.2  | 270.2  |

TABLE Existing-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Oak Street to Marsh Creek Road

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9700      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 60.7   | 122.4  | 259.7  |

TABLE Existing-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Marsh Creek Road to Oakhurst Drive

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

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

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 88.5   | 185.2  |

TABLE Existing-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS.

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Main Street - Oak Street to March Creek Road

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 500      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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|          |       |      |
|----------|-------|------|
| 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) = 47.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 0.0    | 0.0    |

TABLE Existing-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Marsh Creek Road - Clayton Road to Main Street

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4300      SPEED (MPH): 35      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

|          | DAY<br>--- | NIGHT<br>----- |
|----------|------------|----------------|
| 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) = 60.08

| DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
| 70 Ldn<br>-----                                | 65 Ldn<br>----- | 60 Ldn<br>----- | 55 Ldn<br>----- |
| 0.0  | 0.0             | 56.7            | 121.6           |

TABLE Existing Plus Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Mitchell Canyon Road to Oak Street

NOTES: Clayton Community Church - Existing Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10700      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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|          |       |      |
|----------|-------|------|
| 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) = 63.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 64.2   | 130.4  | 277.1  |

TABLE Existing Plus Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Oak Street to Marsh Creek Road

NOTES: Clayton Community Church - Existing Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10000      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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|          |       |      |
|----------|-------|------|
| 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) = 63.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 61.7   | 124.9  | 265.0  |

TABLE Existing Plus Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Marsh Creek Road to Oakhurst Drive

NOTES: Clayton Community Church - Existing Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6100      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 91.4   | 191.4  |

TABLE Existing Plus Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Main Street - Oak Street to March Creek Road

NOTES: Clayton Community Church - Existing Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1400      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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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) = 52.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn                      65 Ldn                      60 Ldn                      55 Ldn

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0.0                      0.0                      0.0                      0.0

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TABLE Existing Plus Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Marsh Creek Road - Clayton Road to Main Street

NOTES: Clayton Community Church - Existing Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5000      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): 6

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.74

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 62.6   | 134.4  |

TABLE Cumulative-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Mitchell Canyon Road to Oak Street

NOTES: Clayton Community Church - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10500      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 63.5   | 128.8  | 273.7  |

TABLE Cumulative-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Oak Street to Marsh Creek Road

NOTES: Clayton Community Church - Cumulative

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9800      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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|          |       |      |
|----------|-------|------|
| 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) = 63.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 61.0   | 123.2  | 261.5  |

TABLE Cumulative-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Marsh Creek Road to Oakhurst Drive

NOTES: Clayton Community Church - Cumulative

\* \* ASSUMPTIONS \* \*

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

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 88.5   | 185.2  |

TABLE Cumulative-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Main Street - Oak Street to March Creek Road

NOTES: Clayton Community Church - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 500      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

|  | DAY<br>--- | NIGHT<br>----- |
|--|------------|----------------|
|--|------------|----------------|

|          |       |      |
|----------|-------|------|
| 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) = 47.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn<br>----- | 65 Ldn<br>----- | 60 Ldn<br>----- | 55 Ldn<br>----- |
|-----------------|-----------------|-----------------|-----------------|
| 0.0             | 0.0             | 0.0             | 0.0             |

TABLE Cumulative-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Marsh Creek Road - Clayton Road to Main Street

NOTES: Clayton Community Church - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4400      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): 6

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 57.6   | 123.5  |

TABLE Cumulative Plus Project-01  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Mitchell Canyon Road to Oak Street

NOTES: Clayton Community Church - Cumulative Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11000      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

|  | DAY | NIGHT |
|--|-----|-------|
|  | --- | ----- |

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

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

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 65.2   | 132.8  | 282.3  |

TABLE Cumulative Plus Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Oak Street to Marsh Creek Road

NOTES: Clayton Community Church - Cumulative Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10100      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

---                      -

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

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

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 62.1   | 125.7  | 266.8  |

TABLE Cumulative Plus Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Marsh Creek Road to Oakhurst Drive

NOTES: Clayton Community Church - Cumulative Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6100      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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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) = 61.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 91.4   | 191.4  |

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TABLE Cumulative Plus Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Main Street - Oak Street to March Creek Road

NOTES: Clayton Community Church - Cumulative Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1400      SPEED (MPH): 30      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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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) = 52.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn                      65 Ldn                      60 Ldn                      55 Ldn

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

0.0                      0.0                      0.0                      0.0

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TABLE Cumulative Plus Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Marsh Creek Road - Clayton Road to Main Street

NOTES: Clayton Community Church - Cumulative Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5100      SPEED (MPH): 35      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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|          |       |      |
|----------|-------|------|
| 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) = 60.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 63.5   | 136.2  |

TABLE Existing-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Mitchell Canyon Road to Oak Street

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19600      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 92.3   | 193.4  | 414.0  |

TABLE Existing-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Oak Street to Marsh Creek Road

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18500      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 89.0   | 186.2  | 398.5  |

TABLE Existing-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Marsh Creek Road to Oakhurst Drive

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12600      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 70.6   | 144.9  | 308.8  |

TABLE Existing-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Main Street - Oak Street to March Creek Road

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1000      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) = 50.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 0.0    | 0.0    |

TABLE Existing-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Marsh Creek Road - Clayton Road to Main Street

NOTES: Clayton Community Church - Existing

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6200      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): 6

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.67

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 72.2   | 155.1  |

TABLE Existing Plus Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Mitchell Canyon Road to Oak Street

NOTES: Clayton Community Church - Existing Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20000      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

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

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 93.4   | 196.0  | 419.6  |

TABLE Existing Plus Project-02  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Oak Street to Marsh Creek Road

NOTES: Clayton Community Church - Existing Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19100      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

|          | DAY<br>--- | NIGHT<br>----- |
|----------|------------|----------------|
| 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) = 66.46

| DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
| 70 Ldn<br>-----                                | 65 Ldn<br>----- | 60 Ldn<br>----- | 55 Ldn<br>----- |
| 0.0  | 90.8            | 190.1           | 407.0           |

TABLE Existing Plus Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Marsh Creek Road to Oakhurst Drive

NOTES: Clayton Community Church - Existing Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12800      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

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|          |       |      |
|----------|-------|------|
| 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) = 64.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 71.2   | 146.4  | 312.1  |

TABLE Existing Plus Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Main Street - Oak Street to March Creek Road

NOTES: Clayton Community Church - Existing Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1600      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) = 52.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 0.0    | 0.0    |

TABLE Existing Plus Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Marsh Creek Road - Clayton Road to Main Street

NOTES: Clayton Community Church - Existing Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6900      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): 6

SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn                      65 Ldn                      60 Ldn                      55 Ldn

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

0.0                      0.0                      77.5                      166.5

TABLE Cumulative-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Mitchell Canyon Road to Oak Street

NOTES: Clayton Community Church - Cumulative

\* \* ASSUMPTIONS \* \*

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

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 93.1   | 195.3  | 418.2  |

TABLE Cumulative-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Oak Street to Marsh Creek Road

NOTES: Clayton Community Church - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18600      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

|          | DAY<br>--- | NIGHT<br>----- |
|----------|------------|----------------|
| 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) = 66.35

| DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
| 70 Ldn<br>-----                                | 65 Ldn<br>----- | 60 Ldn<br>----- | 55 Ldn<br>----- |
| 0.0  | 89.3            | 186.9           | 399.9           |

TABLE Cumulative-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Marsh Creek Road to Oakhurst Drive

NOTES: Clayton Community Church - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12600      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

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

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 70.6   | 144.9  | 308.8  |

TABLE Cumulative-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Main Street - Oak Street to March Creek Road

NOTES: Clayton Community Church - Cumulative

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1000      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) = 50.65

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn                    65 Ldn                    60 Ldn                    55 Ldn

-----

0.0                        0.0                        0.0                        0.0

TABLE Cumulative-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Marsh Creek Road - Clayton Road to Main Street

NOTES: Clayton Community Church - Cumulative

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6400      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): 6

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 0.0    | 73.7   | 158.4  |

TABLE Cumulative Plus Project-01  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Mitchell Canyon Road to Oak Street

NOTES: Clayton Community Church - Cumulative Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20300      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

---                      -

AUTOS

88.08                    9.34

M-TRUCKS

1.65                    0.19

H-TRUCKS

0.66                    0.08

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
|--------|--------|--------|--------|
| -----  | -----  | -----  | -----  |
| 0.0    | 94.3   | 197.9  | 423.8  |

TABLE Cumulative Plus Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Oak Street to Marsh Creek Road

NOTES: Clayton Community Church - Cumulative Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19200      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

---                      -----

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

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

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

|        |        |        |        |
|--------|--------|--------|--------|
| 70 Ldn | 65 Ldn | 60 Ldn | 55 Ldn |
| -----  | -----  | -----  | -----  |
| 0.0    | 91.1   | 190.8  | 408.4  |

TABLE Cumulative Plus Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Clayton Road - Marsh Creek Road to Oakhurst Drive

NOTES: Clayton Community Church - Cumulative Plus Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12800      SPEED (MPH): 40      GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY                      NIGHT

---                      -

AUTOS

88.08                      9.34

M-TRUCKS

1.65                      0.19

H-TRUCKS

0.66                      0.08

ACTIVE HALF-WIDTH (FT): 24

SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn                      65 Ldn                      60 Ldn                      55 Ldn

-----

0.0                      71.2                      146.4                      312.1

TABLE Cumulative Plus Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Main Street - Oak Street to March Creek Road

NOTES: Clayton Community Church - Cumulative Plus Project

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 1600      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) = 52.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn                      65 Ldn                      60 Ldn                      55 Ldn

-----

0.0                      0.0                      0.0                      0.0

---

TABLE Cumulative Plus Project-05  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 04/13/2011

ROADWAY SEGMENT: Marsh Creek Road - Clayton Road to Main Street

NOTES: Clayton Community Church - Cumulative Plus Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7000      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): 6                      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    | 78.2   | 168.2  |