

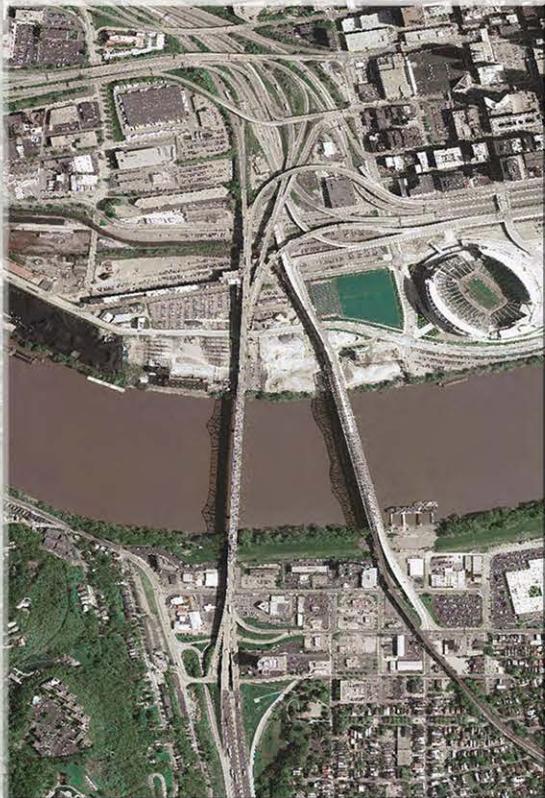


Brent Spence Bridge Replacement/Rehabilitation Project

Noise Study: Kentucky

KYTC Project Item No. 6-17

December 2011



**PARSONS
BRINCKERHOFF**

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1.0 INTRODUCTION

This Noise Study Technical Report: Kentucky has been prepared in support of the Brent Spence Bridge Replacement/Rehabilitation Project. The objective of this report is to assess and document the potential for the project to cause or increase the annoyance from traffic noise at adjacent residential communities. The noise study consists of the following primary elements:

- existing peak hour noise measurements were collected at exterior areas of representative properties,
- future (2035) peak hour noise levels without the project were estimated,
- future (2035) peak hour noise levels with the proposed Build Alternatives were estimated,
- properties that will experience noise levels above the Federal Highway Administration (FHWA) Noise Abatement Criteria (NAC) impact threshold were identified, and
- determine if feasible and reasonable noise abatement can be provided at impacted properties in accordance with the Kentucky Transportation Cabinet's (KYTC) traffic noise policy guidelines effective July 13, 2011.

1.1 Project Description

Interstate 75 (I-75) Corridor within the Greater Cincinnati/Northern Kentucky region is a major thoroughfare for local and regional mobility. Locally, it connects to I-71, I-74, and US Route 50. The Brent Spence Bridge provides an interstate connection over the Ohio River and carries both I-71 and I-75 traffic (Exhibit 1). The bridge also facilitates local travel by providing access to downtown Cincinnati, Ohio and Covington, Kentucky. Safety, congestion and geometric problems exist on the structure and its approaches. The Brent Spence Bridge, which opened to traffic in 1963, was designed to carry 80,000 vehicles per day. Currently, approximately 160,000 vehicles per day use the Brent Spence Bridge and traffic volumes are projected to increase to approximately 233,000 vehicles per day in 2035 for the No Build Alternative.

The I-75 Corridor within the Greater Cincinnati/Northern Kentucky region is experiencing problems, which threaten the overall efficiency and flexibility of this vital trade corridor. Areas of concern include, but are not limited to, growing demand and congestion, land use pressures, environmental concerns, adequate safety margins, and maintaining linkage in key mobility, trade, and national defense highways.

The I-75 Corridor has been the subject of numerous planning and engineering studies over the years and is a strategic link in the region's and the nation's highway network. As such, the KYTC and Ohio Department of Transportation (ODOT), in cooperation with the FHWA, are proposing to improve the operational characteristics of I-75 and the Brent Spence Bridge in the Greater Cincinnati/Northern Kentucky region through a major transportation project.

1.2 Purpose and Need

The Brent Spence Bridge Replacement/Rehabilitation Project is intended to improve the operational characteristics within the I-71/I-75 corridor for both local and through traffic. In the Greater Cincinnati/Northern Kentucky region, the I-71/I-75 corridor suffers from congestion and safety-related issues as a result of inadequate capacity to accommodate current traffic demand.

The objectives of this project are to:

- improve traffic flow and level of service,
- improve safety,
- correct geometric deficiencies, and
- maintain connections to key regional and national transportation corridors.

1.3 Study Corridor

The overall project corridor is located along a 7.8-mile segment of I-75 within the Commonwealth of Kentucky (state line mile 186.7) and the State of Ohio (state line mile 2.7). The southern limit of the project is 5,000 feet south of the midpoint of the Dixie Highway Interchange on I-71/I-75 in Fort Wright, south of Covington, Kentucky. The northern limit of the project is 1,500 feet north of the midpoint of the Western Hills Viaduct Interchange on I-75 in Cincinnati, Ohio. The eastern and western limits of the study area generally follow the existing alignment of I-75. A depiction of the project study area is provided in Exhibit 1.

1.4 Feasible Alternatives

The Brent Spence Bridge Rehabilitation/Reconstruction project is currently in Steps 6 and 7 of the ODOT Project Development Process (PDP). Two feasible alternatives and the No Build Alternative are being developed and studied in more detail. The two alternatives selected for the Step 6 and 7 are Alternative E and Alternative I, which is a combination of conceptual Alternatives C and D from Step 5 of the PDP.

1.4.1 Alternative E

In Kentucky, Alternative E utilizes the existing I-71/I-75 alignment from the southern project limits at the Dixie Highway Interchange north to the Kyles Lane Interchange. The Dixie Highway and Kyles Lane interchanges will be modified slightly to accommodate a collector-distributor (C-D) roadway, which will be constructed along both sides of I-71/I-75 between the two interchanges. North of the Kyles Lane Interchange, the alignment shifts to the west to accommodate additional I-71/I-75 travel lanes. Between Kyles Lane and KY 12th Street, six lanes will be provided in each direction for a total of 12 travel lanes.

Near KY 12th Street, the northbound alignment separates into two routes; one for interstate traffic and one for a local C-D roadway. Between Pike Street and KY 9th Street, the interstate separates into I-71 and I-75 only routes. The C-D roadway will carry local traffic northbound and provide access to Covington at KY 12th and 5th streets and access from KY 9th and 4th streets. The southbound C-D roadway will carry traffic from Ohio and cross over I-71 and I-75 and provide access to both the interstate and into Covington at KY 9th Street.

A portion of Crescent Avenue will be closed with a new connection to Bullock Street. Access from Covington for southbound interstate traffic is located at KY 12th Street. Bullock Street will be extended north from Pike Street to KY 9th, 5th, and 4th streets and Jillians Way will be extended north from Pike Street to KY 9th and 5th, and 4th streets. Bullock Street and Jillians Way will function as one way pair local frontage roadways.

A new double deck bridge, the new Ohio River Bridge, will be built west of the existing Brent Spence Bridge to carry northbound and southbound I-71 and I-75 traffic. On the upper deck,

I-71 southbound will have three lanes and I-71 northbound will have two lanes. On the lower deck, I-75 will have three northbound and three southbound lanes. The existing Brent Spence Bridge will be rehabilitated to carry northbound and southbound local traffic with two lanes in the southbound direction and three lanes in the northbound direction.

1.4.2 Alternative I

In Kentucky, Alternative I is a combination of Alternatives C and D with certain design elements of Alternative G. Alternative I utilizes the existing I-71/I-75 alignment from the southern project limits at the Dixie Highway Interchange north to the Kyles Lane Interchange. The Dixie Highway and Kyles Lane interchanges will be modified slightly to accommodate a C-D roadway, which will be constructed along both sides of I-71/I-75 between the two interchanges. North of the Kyles Lane Interchange, the alignment shifts to the west to accommodate additional I-71/I-75 travel lanes. Between Kyles Lane and KY 12th Street, six lanes will be provided in each direction for a total of 12 travel lanes. Near KY 12th Street, the alignment northbound separates into three routes for I-71, I-75 and a local C-D roadway.

In Alternative I, access into Covington from the interstate will be provided by the local C-D roadway; at KY 12th Street for northbound traffic and at KY 5th and 9th streets for southbound traffic. Access from Covington for northbound traffic will be provided by a ramp located between Pike Street and KY 9th Street from Jillians Way. The ramp will provide direct access to I-71 from Covington and provide access to I-75 northbound using the C-D roadway through downtown Cincinnati and connecting at the merge near Ezzard Charles Drive. Access from Covington will also be provided at KY 4th Street to the northbound C-D roadway. Access from Covington for southbound interstate traffic is located at KY 12th Street. Bullock Street will be extended north from Pike Street to KY 9th, and 4th streets and Jillians Way will be extended north from Pike Street to KY 9th and 5th streets. Bullock Street and Jillians way will function as one way pair local frontage roadways.

A new double deck bridge will be built just west of the existing Brent Spence Bridge to carry northbound and southbound I-75 (three lanes in each direction), two lanes for southbound I-71 and three lanes for southbound local traffic. The existing Brent Spence Bridge will be rehabilitated to carry two lanes for northbound I-71 and three lanes for northbound local traffic.

Alternative I re-configures I-75 through the I-71/I-75/US 50 Interchange and eliminates all access to and from I-75 from KY 12th Street to the Freeman Avenue overpass in the northbound direction. Alternative I eliminates access to I-75 southbound between the Freeman Avenue exit and KY 9th Street. Alternative I also eliminates access from I-75 southbound between the US 50/6th Street overpass and Kyles Lane.

1.5 No Build Alternative

The No Build Alternative consists of minor, short-term safety and maintenance improvements to the Brent Spence Bridge and I-75 corridor, which would maintain continuing operations all within existing right-of-way.

The No Build Alternative does not meet the purpose and need for this project; however, the alternative is retained as a baseline alternative to compare with the feasible Build Alternatives.

2.0 NOISE

Noise is unwanted sound that causes annoyance to listeners. On a physical molecular level, sound is the vibration of air molecules that propagate as waves through the air, which results in the stimulation of the nerve endings in the human ear creating the sensation of hearing. Sounds occur in the human and natural environment at all times. Some sounds are necessary or desirable for communication or pleasure, while other sounds are unwanted causing disturbance to the people living or working nearby. Noise varies from place to place and also in intensity as the cycle of human activity changes over the course of the day. For reference and orientation to the decibel scale, representative noise sources and their respective decibel levels are shown in Exhibit 2.

2.1 The A-Weighted Noise Level

While a variety of methods can be used to describe and quantify noise conditions, sound levels in decibels (dB) are presented in this report. Decibels are a unit of measure on a logarithmic scale used to quantify the amount of sound pressure at a given location from the general outdoor environment or specific sources. The most commonly used measure of noise level is the A-weighted sound level (dB(A)). From many experiments with human listeners, scientists have found that unlike animals the human ear is more sensitive to midrange frequencies than it is to either low or very high frequencies. At the same sound level, midrange frequencies are therefore heard as louder than other low or very high frequencies. These physical characteristics of the human ear are taken into account by adjusting or weighting the octave band spectrum of the measured or predicted sound for the sensitivity of human hearing range. The A-weighted sound scale is a measure of sound that corresponds well to human subjective response to noise. The A-weighted sound level is widely accepted by the Federal Highway Administration (FHWA) and Kentucky Transportation Cabinet (KYTC) as the preferred sound weighting method for assessing human exposure and annoyance from traffic noise.

An understanding of the following relationships is helpful in providing a subjective impression of the human response to changes in the A-weighted sound level:

- an increase of only 1 dB(A) cannot be perceived,
- a 3 dB(A) increase is considered just at the threshold of a noticeable difference,
- a 5 dB(A) increase is considered readily perceived change in noise level, and
- a 10 dB(A) increase is subjectively heard as approximately a doubling (or halving) in loudness, independent of the existing noise level.

2.2 Traffic Noise Descriptors

Because environmental noise fluctuations vary from moment to moment, it is common practice to condense all of the information into a single number, called the “equivalent” sound level. Traffic noise levels applicable to transportation projects are often expressed in terms of an hourly equivalent noise level or L_{eq} (1-hr) dB(A). The L_{eq} is a measure of the average sound energy during a specified period of time (typically 1-hour duration) and is defined as the steady-state sound level that typically in a 1-hour period contains the logarithmic sum of the acoustic energy generated by the time-varying sound during that hour. Studies have shown that the L_{eq} (1-hr) descriptor correlates well with human response and annoyance to changes in noise levels. The L_{eq} during the noisiest traffic hour, expressed as L_{eq} (1-hr), is used by FHWA and KYTC as a descriptor for estimating traffic noise exposure.

3.0 FHWA NOISE IMPACT AND ABATEMENT CRITERIA

The National Environmental Policy Act (NEPA) of 1969 provides broad authority and responsibility for evaluating and mitigating adverse environmental effects including highway traffic noise. The NEPA directs federal agencies to use all practical means and measures to promote the general welfare and foster a healthy environment. The Federal-Aid Highway Act of 1970 specifically involves abatement of highway traffic noise and mandates Federal Highway Administration (FHWA) to develop noise standards for mitigating highway traffic noise.

In addition, Congress enacted standards and procedures for assessing the impact and abatement of highway traffic noise. These noise exposure standards and abatement procedures for establishing mitigation feasibility are covered under the United States Code of Federal Regulations Part 772 (23 CFR 772) *Procedures for Abatement of Highway Traffic Noise and Construction Noise*. The 23 CFR 772 regulations were updated in July 2011 in accordance with the FHWA 772 Final Rule and are described in detail in the document entitled *Highway Traffic Noise: Analysis and Abatement Guideline* (revised January 2011). The regulations establish traffic noise-level criteria for various land use activities and further provide that FHWA not approve plans and specifications for a federal-aid highway project unless adequate highway traffic noise abatement measures to implement the appropriate noise level standards are addressed.

The regulations contain noise abatement criteria, which represent the upper limit of acceptable highway traffic noise exposure levels for different types of land uses and human activities. The regulations do not require that the abatement criteria be met in every instance. Rather, they require that every reasonable and feasible effort be made to provide noise mitigation when the criteria are approached or exceeded. The FHWA guidelines apply to freeways and major arterial roads where traffic flows relatively freely. The regulations require the following during the planning and design of a highway project:

- Identification of traffic noise impacts.
- Examination and evaluation of potential mitigation measures.
- Incorporation of all identified reasonable and feasible noise mitigation measures into the highway project.
- Coordination with local officials and the affected residences to provide helpful information on compatible future land use planning, noise control and the recommended noise abatement measures identified in this study.

For FHWA Type I improvements, such as the Brent Spence Bridge Replacement/Rehabilitation Project, where substantial changes to both the vertical and horizontal alignment are proposed, compliance with FHWA mandates is required. Detailed noise modeling is required to a distance of 500 feet away from the proposed project edge of pavement for noise sensitive land uses. At a minimum, noise modeling must be completed at a distance that covers the extent of noise impacts identified from the proposed roadway improvements for each land use category. The minimum information required is the distance to the impact threshold of each land use category.

To determine if noise levels near highways are compatible with various land uses, FHWA has developed noise abatement criteria (NAC) and procedures to be used in the planning and design of highways. The basic goals of the criteria, as they apply to highway projects, are to minimize potential adverse noise impacts on communities and, where necessary and

appropriate, to provide feasible and reasonable abatement measures to either reduce or eliminate projected future build noise impacts.

The Kentucky Transportation Cabinet (KYTC) has developed procedures for assessing traffic noise impact and abatement feasibility and reasonableness which comply with the FHWA mandates. These impact and procedures are described in detail in the document entitled: *Noise Analysis and Abatement Policy*, effective July 13, 2011. A summary of the FHWA NAC for various land uses is presented in Table 1. These NAC levels represent the upper acceptable limit of traffic noise levels for exterior land uses and activities, and also for certain indoor activities. KYTC defines approach noise levels as being 1 decibel in A-weighted noise level (dB(A)) less than the NAC levels shown in Table 1. For example, an "approach" exterior noise level threshold of 66 dB(A) L_{eq} (1-hr) has been established for NAC for FHWA Category B and NAC Category C sites.

**Table 1. FHWA Noise Abatement Criteria for Highway Projects
In units of A-Weighted Sound Level – Decibels (dB(A))**

| Activity Category | A-Weighted Sound Level (dB(A)) L _{eq} (1-hr) | Evaluation Location | Description of Activity Category |
|-------------------|---|---------------------|---|
| A | 57 | Exterior | Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose. |
| B | 67 | Exterior | Residential |
| C | 67 | Exterior | Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings. |
| D | 52 | Interior | Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios. |
| E | 72 | Exterior | Hotels, motels, offices, restaurants/bars, and other developed lands, properties, or activities not included in Activity Category A-D or F. |
| F | - | - | Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing. |
| G | — | — | Undeveloped lands that are not permitted. |

Source: Federal Highway Administration Code of Federal Regulations, (23 CFR 772, effective July 13, 2011)

Note: These sound levels are only to be used to determine impact. These are the absolute levels above which abatement must be considered. Noise abatement is designed to achieve a substantial noise reduction. Noise abatement is not designed to achieve the noise abatement criteria.

Independent of the approach level impact thresholds shown in Table 1, KYTC also considers a noise impact to occur when a substantial increase in noise level is predicted. Current KYTC traffic noise policy guidelines defines a substantial noise level change as an increase of 10 dB(A) or more in future build noise level over comparable existing noise levels. Either an approach level impact or the significant noise level increase constitutes a noise impact.

3.1 Description of Each Activity Category

A description of each of the FHWA NAC activity categories is provided below.

Activity Category A: Includes lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose. Some examples of lands that have been analyzed as Activity Category A include the Tomb of the Unknown Soldier, a monastery, an outdoor prayer area of a facility for nuns, and an amphitheater. KYTC will consider Category A sites on a case-by-case basis, as these land uses are not typically encountered. Documentation of the land use shall be submitted to the KYTC Noise Specialist, who will contact the FHWA to seek concurrence with the Category A designation.

Activity Category B: Includes exterior areas for residential use. Noise measurements are taken in exterior areas of frequent human use where traffic noise would interfere with normal conversation such as on balconies, patios or in the backyard of the residence. In the case of multifamily buildings balconies that have potential outdoor use should be modeled as frequent human receptor points and assessed for impact. In addition other receptor locations which should be modeled include shared common outdoor areas such as patios, club houses, and pools. For these shared uses the equivalent number of residences should be used to determine the total number of equivalent residences for each multifamily building. KYTC has a defined methodology to determine the equivalent number of receptors these common shared outdoor areas based on usage factors and capacity limits for each type of activity area. The methodology used to estimate equivalent residences is described in Section 3.2.

Activity Category C: Includes exterior areas of non-residential lands as listed in Table 1 under Activity Category C such as, schools, parks, cemeteries, etc. These land uses are analyzed for traffic noise impacts by taking exterior readings in areas of frequent human use such as in school playgrounds, sports fields and similar areas. KYTC has developed a standard method to establish the number of equivalent receptors for these non-residential land uses. The methodology used to estimate equivalent residences is described in Section 3.2.

Activity Category D: includes certain land use facilities listed in Activity Category C that may have noise sensitivity to the interior spaces of these uses. These land uses shall be analyzed for traffic noise impacts per procedures found in FHWA's *Measurement of Highway Related Noise* (May 1996). Each structure is generally considered one receptor site for areas of frequent human use such as libraries, hospitals and public meeting rooms. Interior noise abatement measures are considered only after exhausting all outdoor mitigation options.

Determining the interior noise level for Activity Category D land uses, can be achieved by subtracting the predicted Traffic Noise Model Version 2.5 (TNM) exterior levels for using the noise reduction factors contained in Table 2. However during the noise abatement analysis, interior noise measurements should be collected at locations where KYTC considers noise insulation as the only reasonable abatement measure. The procedures to follow when collecting

interior noise measurements are contained in the FHWA's, *Measurement of Highway Related Noise* (May 1996).

Table 2. Building Noise Reduction Factors

| Building Type | Window Condition* | Noise Reduction Due to Exterior of the Structure |
|----------------------|--------------------------|---|
| All | Open | 10 dB |
| Light Frame | Ordinary Sash (closed) | 20 dB |
| | Storm Windows | 25 dB |
| Masonry | Single Glazed | 25 dB |
| | Double Glazed | 35 dB |

Source: *Highway Traffic Noise: Analysis and Abatement Guidance*, Revised January 2011

* The windows shall be considered open unless there is firm knowledge that the windows are in fact kept closed almost every day of the year.

Activity Category E: Includes exterior areas of developed lands that are less sensitive to highway noise. These land uses include motels, hotels, offices and other developed lands not included in Activity Categories A-D or F. In the case of motels and hotels, outdoor pool areas or courtyards are considered shared exterior areas of frequent human use. The number of equivalent residences for Activity Category E land uses should be determined in a similar manner as that used for multi-family buildings. For example, balconies, outdoor pools or other areas of exterior frequent human use of motels and hotels identified and usage factors or capacity limits for each activity determined to estimate equivalent residential units. The methodology used to estimate equivalent residences is described in Section 3.2.

Activity Category F: Includes a number of land uses that are not sensitive to noise. No noise analysis is required for these locations.

Activity Category G: Includes undeveloped lands. Although consideration of mitigation is not required under 23 CFR 772, noise levels under the future build condition must be determined and documented. Furthermore, noise levels on undeveloped lands are to be made available to potential future land developers and local officials. Depending on the size of the undeveloped land, and if the vacant property has been issued permits the minimum information to be provided under future build conditions consists of either the distance to the impact threshold of each land use category or noise level estimates at discrete receptor points on the vacant parcels.

For undeveloped lands without a permit, the FHWA TNM modeling should be completed for vacant parcels at 50 feet from the edge of pavement or the right-of-way line at 100 feet and at every additional 100 feet (not to exceed 800 feet) until an impact zone is established that would identify potential impact for all potential future development. If non-permitted vacant land is not permitted by the date of public knowledge, the noise level information will be provided to the appropriate local government office for planning purposes in accordance with 23 CFR 772.17(a).

For undeveloped lands with a permit the area should be analyzed for traffic noise impacts by collecting sound measurements and conducting modeling, as described in the previous section,

using the activity category that best describes the future intended land use. Noise impacts and abatement consideration should be completed consistent with the permitted future intended land use for that particular activity category. In cases where the land is not permitted prior to the date of public knowledge, noise abatement is not required nor is abatement eligible for federal aid at a future date. The date of public knowledge is the date the NEPA document is approved.

3.2 Establishing Exterior Areas of Frequent Human Use and Determination of Equivalent Receptors

A noise receiver location is an area where noise is measured and/or determined. The receiver locations are normally restricted to "exterior areas of frequent human use." Exterior receivers are typically:

- at or near the highway right-of-way line,
- at or near a building in residential or commercial areas,
- at an area between the right-of-way line and a building where ground level frequent human activity occurs, such as a patio, pool, or play area in the yard of a single family home,
- at public community facilities such as playgrounds, pools, parks, campgrounds, trails, picnic areas, active recreation areas such as basketball courts, baseball and football fields,
- at multi-story multi-family apartment or condominium building's exterior balconies or decks are considered suitable elevated receiver locations of frequent human use. In addition ground floor exterior areas shared by the members of the multi-family building are also suitable modeling receiver locations, and
- at schools, day-care facilities, retirement homes, churches, cemeteries, hospitals and other types of medical facilities.

Determining the equivalent number of receptors is an important step in properly establishing the number of potentially impacted people exposed to traffic noise generated from the Build Alternatives and the effectiveness of a proposed noise wall. Along those lines, KYTC has developed a set of guidelines and procedures for determine the number of equivalent number of residences for many of the land uses listed above. Determining the equivalent number of residences is necessary in establishing the feasibility and reasonableness of a proposed noise barrier in providing cost and acoustically effective abatement. The following formula is used in determining the equivalent number of residences:

$$\text{Equivalent Residences} = (\# \text{ of Persons}/2.5 \text{ Persons Per Average Household}) \times (\text{Usage Factor})$$

Where:

$$\text{Usage Factor} = (\text{Average Daily Hours of Use}/24 \text{ hours per Day})$$

Or

$$\text{Usage Factor} = (\text{Average Weekly Hours of Use}/168 \text{ hours per Week})$$

"# of Persons" are those people who use the facility within 500 feet of the proposed edge of pavement. The numbers of persons were established through consultation with the school, church, daycare, etc. and are based upon the greater of either the number enrolled or capacity

of the facility. Where use involved a park, trail, or other exterior activity, the facility official was consulted to determine the use that occurs within 500 feet of the proposed edge of pavement for the Build Alternatives, and the extent of that use.

“Average Daily Hours of Use” or “Average Weekly Hours of Use” is the average number of hours during which the “# Persons” use the facility within the 500 foot of the proposed Build Alternative. The average should account for time that the facility is not in use such as nights and weekends.

4.0 NOISE ANALYSIS METHODOLOGY

The purpose of the noise analysis is to:

- Identify existing and potential noise sensitive areas within a 500 foot envelope from the proposed project edge of pavement for the Build Alternatives.
- Group identified land uses into one of the Federal Highway Administration (FHWA) Noise Abatement Criteria (NAC) land use activity categories.
- Estimate existing and future noise levels with and without the proposed Build Alternatives at each land use using the FHWA Traffic Noise Model Version 2.5 (TNM).
- Identify all properties where future build noise levels are projected to exceed FHWA traffic noise impact criteria up to a distance where there are no impacts caused from the proposed Build Alternatives.
- Evaluate the feasibility and reasonableness of providing noise abatement at locations where impacts are predicted to occur in accordance Kentucky Transportation Cabinet (KYTC) traffic noise policy guidelines.

4.1 Land Uses

In order to identify noise sensitive receptors within the study area, the following tasks were conducted:

- aerial photography of the study area was reviewed,
- Geographic Information System (GIS) data of the study area was analyzed, and
- field reconnaissance.

In Kentucky, the study area includes mostly industrial and commercial land uses with a few small areas of residential uses. Several historic structures, schools, and parks are found within the study area. Based on these findings, land uses in the study area are categorized as Activity Categories B (residential) and C (commercial). Sites listed on the National Register of Historic Places (NRHP) are categorized as Activity Category B.

4.2 Traffic Data

Travel demand model and traffic count data were utilized to develop traffic projections for the No Build Alternative and Alternatives E and I in the 2035 design year. Traffic data used for this analysis are provided in Appendix A.

4.2.1 Traffic Volumes

Traffic counts were taken as follows:

- Existing weekday traffic volumes on the roadways within the project study area in September, October, and November of 2005,
- Traffic data at the Dixie Highway Interchange, on I-71 near the I-471 Interchange area and on I-71 near the I-471 Interchange area were collected in January 2008, and
- Traffic volumes at at-grade intersections were collected using turning movement counts, while ramp and mainline volumes on I-71, I-75, and US 50 were collected using portable machine counters. Peak morning (7:30 to 8:30 AM) and afternoon (4:30 to 5:30 PM)

hours were identified from the traffic counts and were used to estimate existing conditions (2005).

Design year (2035) traffic volumes were estimated using the Ohio Kentucky Indiana Regional Council of Government (OKI)'s regional travel demand model and existing year (2005) volumes. In order to coordinate the traffic projections within the I-75 corridor and the region, traffic projections for three adjoining I-75 projects (HAM-71/75-0.00/0.22 Brent Spence Bridge, HAM-75-2.30 Mill Creek Expressway, and HAM-75-10.10 Thru the Valley) were incorporated into the OKI regional travel demand model. In addition to future No Build, the OKI demand model was used to predict 2035 design hour traffic volumes for the proposed Build Alternatives. The demand model was re-run for each of the alternatives because differences in freeway access points affect local streets and freeway traffic patterns.

Truck percentages for the study area were calculated based on existing traffic counts and growth rates generated from the travel demand model.

4.2.2 Development of Traffic Data

Traffic data were developed as follows:

- Existing 4-hour turning movement counts were factored to average daily traffic (ADT) volumes using hourly distributions and seasonal adjustment factors;
- 72-hour and 48-hour ramp counts were converted to ADTs by applying seasonal adjustment factors;
- Calculated ADT volumes were compared to historical count information and ramp counts and existing traffic counts were adjusted along the mainline and between intersections as appropriate for the AM, PM, and calculated ADT volumes; and
- AM and PM volumes were factored to design hours by applying a factor of 1.056 (as was done for the HAM-75-2.30 PID 76257 [Mill Creek Expressway] Project; which is located at the northern limits of the project corridor).

The OKI regional travel demand model was also used to develop traffic assignments for the 2035 design year. Using the methods described in the National Cooperative Highway Research Program (NCHRP) 255 report, 24-hour model assignments were post-processed by comparing ADT count data to the base year (2005) model assignments and applying the same over/under estimation to the future year (2035) model assignment. A hybrid mix of the ratio and delta methods were applied to each link. Finally, 2035 ADT volumes were calculated by applying a straight line extrapolation between the 2005 counts and the post-processed 2035 ADT.

A growth factor was calculated for each link by dividing the 2035 ADT by the 2005 traffic count. This factor was then applied to the AM and PM peak hour count data to get 2035 AM and PM peak hour data.

Turning movement forecasts for the 2035 AM, PM, and ADT were made using the NCHRP 255 iterative proportional method. Interchanges were treated as single point intersections, where possible, to determine the mainline, cross street, and ramp volumes. Finally, all 2035 traffic volumes on the mainline and between intersections were adjusted as appropriate for the AM, PM, and ADT time periods. The results of this process provided the existing and future traffic networks that were approved (certified) for use on this project by KYTC.

4.3 Traffic Noise Model

The noise analysis process included the development of a three-dimensional geometric representation of the study area utilizing the FHWA TNM version 2.5. This involved computer coding of the physical roadway configurations and major geographic features such as tree zones, pavement surfaces, terrain lines and adjacent noise sensitive properties (described as receptor sites).

The TNM file coding process was completed using electronic based Micro-station design plans of the study area, which depict the existing I-71 and I-75 highways, service roads, primary intersecting streets and proposed improvements. For each roadway segment, traffic volumes and vehicle travel speeds were inputted into the TNM file. The TNM program was then executed and noise levels were predicted at applicable receptor sites.

The resultant noise levels were tabulated and noise impacts associated with the proposed roadway improvements identified. In residential areas where noise impacts were projected to occur, a noise barrier analysis was completed to determine if noise reductions can be achieved while satisfying KYTC feasibility and reasonableness requirements. Noise barrier heights and lengths were optimized for this analysis to provide the maximum noise reduction achievable at the lowest possible cost per benefiting property.

4.4 Noise Measurements

This section provides a summary of activities associated with the ambient noise monitoring survey. Noise measurements were collected using noise monitoring equipment, which is in conformance with the American National Standards Institute (ANSI) requirements. Field measurements were collected consistent with guidelines contained in the FHWA's *Measurements of Highway Related Noise* (May 1996).

4.4.1 Field Data Collection

Noise monitoring sites were selected in residential communities fronting the I-75 Corridor, which would result in maximum exposure to future traffic noise generated by the proposed Build Alternatives and to provide adequate geographic coverage within the study area.

Noise measurements were collected in January and February 2010, at 48 representative noise sensitive properties spanning the entire project study area between Ohio and Kentucky. The 16 noise measurement sites in Ohio are identified as sites M-1 through M-16 (see Ohio Department of Transportation (ODOT) PID 75119 Noise Study Technical Report for further details) and the 32 monitoring sites in Kentucky are labeled M-17 thru M-48. To provide continuity with the *Brent Spence Bridge Noise Screening Report* completed in February 2009, the former noise receptor identification numbers are provided in parenthesis adjacent to the new identification numbers. In addition to the 2009 receptor locations new receptors were added to provide adequate geographic coverage of the study area as required under the revised KYTC traffic noise policy (July 2011).

At each representative site, noise measurements were made during the 7:00 to 9:00 AM and 4:00 to 6:00 PM peak hours for 20-minute periods. Noise measurements were collected using several Brüel & Kjær (B&K) Type 2231 and 2238 sound level meters fitted with a B&K Type

5155 condenser microphone and windshield. Calibration of the noise equipment was performed before and after each reading. Noise measurements were collected on rain-free days with wind speeds of less than 12 miles per hour (Appendix B). A summary of measured peak hour ambient noise levels is provided in Table 3A and the locations of each of these monitoring sites are provided in Exhibits 3A through 3N. In addition to the 32 noise measurement sites, the exhibits depict the location of 926 additional noise prediction locations derived from the land use survey. On the exhibit plan sheets, the noise measurement sites are depicted by a yellow colored dot and noise prediction receptor sites are depicted by the red colored dot.

The predominate source of noise in the study area is generated from motor vehicles traveling on the I-75, service roads and connecting roadways. Residential areas and community facilities adjacent to these roadways are exposed to moderate to high levels of existing road traffic noise. Noise levels which approach or exceed the NAC impact thresholds are shown in bold type in Table 3A. Existing peak-hour noise levels approached or exceeded the FHWA Category B impact threshold of 66 dB(A) at a total of 23 out of the 32 monitoring locations. Noise measurements ranged from a low reading of 53.8 dB(A) at Site M-34 during the peak AM time period to a high monitored level of 76.1 dB(A) at Site M-43 during the peak PM time period. Noise levels above the NAC impact thresholds are shown in bold in Table 3A.

Due to concerns regarding current and proposed noise levels within Goebel Park, 24 hour noise measurements in August of 2011 at three locations were collected. The three monitoring locations are shown in Exhibit 3O. The readings were done in early August when the pool was open to the public and late August after the pool had been closed for the year to determine if activities associated the pool contributed to the overall diurnal noise cycle. In addition, the 24 hour noise monitoring was collected to discern if there were other hours of the day where ambient noise levels were significantly higher than the peak AM and PM traffic hours used for the traffic noise modeling. A summary of the noise measurements are provided in Table 3B.

The noise levels shown in Table 3B represent the average hourly noise levels for each hour of the day the noise readings were collected. In addition to the hourly L_{eq} noise levels. The other noise indices are shown in Table 3A. The table includes the "Lday" level which is a measure of the noise level during the time period of 7:00 AM to 10:00 PM. Similarly, the "Lnight" noise level is a measure of the noise level in during the nighttime hours covering the period of 10:00 PM to 7:00 AM. The last noise descriptor shown in Table 3B is the day-night noise level or "Ldn" which is a measure of the noise level over a 24 hour time period. The Ldn noise descriptor is generally used to determine annoyance during nighttime hours when people are sleeping and there is greater sensitivity to noise. These noise descriptors are used by federal transportation agencies to measure noise, its annoyance and impact on people over longer time interval duration than the single hour L_{eq} measure. However all these noise level descriptors are derived from measured hourly L_{eq} levels.

The noise measurements with the pool open were collected over a four day continuous time period and the resulting hourly noise levels for each hour represents a four day logarithmic average for that hour of the day. For example, at measurement Site 2 which is closest to the pool area (Exhibit 3O), the four day average noise level between the hours of between 5:00 and 6:00 PM with the pool open was 68.1 dB(A) where as the three day average noise level during the same hour with the pool closed was 3.3 dB(A) lower reaching only 64.8 dB(A). In general the diurnal hourly noise levels with the pool open were higher than those with the pool closed. This was particularly true at noise measurement Sites 1 and 2. The noise levels during the hours of the day the pool is open are generally 1 to 4 dB(A) higher than the corresponding

measurement with the pool closed. The dominate noise source in the study area was traffic movements along the I-71/I-75 mainline roadways, however local noise generated by people using the pool likely contributed to some of the higher noise levels observed at Site 2. Furthermore, the Lday, Lnight and Ldn levels at Sites 1 and 2 were found to be between one and three dB(A) higher with the pool open than closed. Noise monitoring Site 3 was generally higher with the pool closed, however this monitoring site is far away from the pool area and noise levels in this area may have been influenced more by fluctuations in local traffic movements on West KY 9th Street than by any other noise source. With regard to diurnal noise patterns, the findings indicate no significant statistical variation from hour to hour in peak noise levels during the daytime hours. In general, the measurements show minor peak clustering occurring around the AM and PM peak travel time periods. Moreover, by modeling both the AM and PM peak time travel time periods, any directional influence in traffic noise patterns on residential areas located one side of the highway versus the other would be captured in the noise modeling effort.

4.5 TNM Model Validation

A TNM model validation was completed at three of the 32 representative noise monitoring locations where noise measurements were originally collected in January and February 2010. The validation process is necessary to verify if the existing ambient noise conditions measured in the field are reproducible within the TNM model. Simultaneous traffic counts and noise measurements were collected in August 2, 2011 at Sites M-21 (Exhibit 3B), M-27(Exhibit 3E) and M-45 (Exhibit 3L). Each noise measurement was recorded for a 30 minute continuous duration using a calibrated B & K Model 2231 sound level meter (SLM) fitted with a windshield. In addition, prior to each noise measurement the SLM was calibrated for accuracy using a B & K 4230 calibrator. The B&K 2231 SLM and 4230 Calibrator are annually laboratory certified pieces of calibrated monitoring equipment satisfying the ANSI Type I precision for noise measurement sampling accuracy. All measurements were performed under acceptable climatic and street surface conditions (i.e., dry road surface and low wind speeds).

At each noise measurement location the collected traffic count data is normalized to a single hour time period and the resulting vehicle count is then input into the FHWA noise model along with the existing site geometry of each noise monitoring location. The predicted noise levels are compared to the ambient measured noise levels to establish if the roadway geometrics and physical ground terrain characteristics of each monitoring location are properly captured in the TNM modeling files. The TNM model validation is completed to ensure good association between measured and predicted noise levels can be achieved through the modeling process. Thereby providing a good measure of the accuracy of future predicted noise levels. A summary of the short-term noise measurement and TNM model predicted noise levels are provided in Table 4. TNM predicted noise levels for both peak hour time periods were estimated to be within KYTC defined acceptable range of plus or minus 3 dB(A) of the corresponding measured noise level at all three of the noise monitoring locations and therefore providing reasonable correlation and validation.

Table 3A. Summary of Measured Peak Hour Noise Levels (L_{eq} [1hr]) dB(A)

| Site Number | Address of Measurement Site | Land Use | NAC Category | AM | PM |
|-------------|---|--------------|--------------|----------------------|----------------------|
| | | | | L_{eq} (1hr) dB(A) | L_{eq} (1hr) dB(A) |
| M-17(K161) | 881 Highway Avenue, Covington | Residential | Category B | 63.6 | 63.0 |
| M-18(K190) | 407 Western Avenue, Covington | Residential | Category B | 65.3 | 65.5 |
| M-19(K25) | 514 Western Avenue, Covington | Residential | Category B | 67.0 | 64.5 |
| M-20(K309) | Goebel Park, (north) near Philadelphia Street, Covington | Recreational | Category C | 66.2 | 69.5 |
| M-21(K304) | 641 Crescent Ave, Covington | Residential | Category B | 70.8 | 68.5 |
| M-22(K484) | 818 Crescent Avenue, Covington | Residential | Category B | 73.5 | 69.6 |
| M-23(K506) | Goebel Park, (southern) near West 9 th and Philadelphia streets, Covington | Recreational | Category C | 67.0 | 65.6 |
| M-24(K655) | 619 West Pike Street, Covington | Residential | Category B | 71.7 | 71.2 |
| M-25(K707) | 605 West 11 th Street, Covington | Residential | Category B | 70.9 | 70.7 |
| M-26(K697) | 522 West 12 th Street, Covington | Commercial | Category E | 71.3 | 71.5 |
| M-27(K1007) | 536 West 13 th Street, Covington | Residential | Category B | 70.9 | 74.1 |
| M-28(K879) | 1304 Hinde Street, Covington | Residential | Category B | 71.7 | 69.5 |
| M-29(K1148) | 625 Edgecliff Road, Covington | Residential | Category B | 61.1 | 64.5 |
| M-30(K1176) | 506 Scenic Drive, Park Hills | Residential | Category B | 65.1 | 68.1 |
| M-31(K1979) | 1132 Cedar Ridge Lane, Park Hills | Residential | Category B | 66.6 | 68.9 |
| M-32(K1983) | 500 Highland Avenue, Covington | Nursing Home | Category B | 61.1 | 62.2 |
| M-33(K1581) | 1000 Emery Drive, Covington | Residential | Category B | 69.9 | 75.0 |
| M-34(K1604) | 1042 Emery Drive, Covington | Residential | Category B | 53.8 | 55.5 |
| M-35(K1503) | 502 St Joseph Lane, Park Hills | Residential | Category B | 67.3 | 68.7 |
| M-36(K1573) | Notre Dame Academy, 1699 Hilton Drive, Park Hills | School | Category D | 67.7 | 67.3 |
| M-37(K1616) | 1565 Saint Anthony Street, Fort Wright | Residential | Category B | 69.8 | 70.6 |
| M-38(K1609) | 1586 Marcella Drive, Fort Wright | Residential | Category B | 70.3 | 72.6 |
| M-39(K2037) | 101 Kyles Lane, Fort Wright | Residential | Category B | 68.1 | 64.6 |

Table 3A. Summary of Measured Peak Hour Noise Levels (L_{eq} [1hr]) dB(A)

| Site Number | Address of Measurement Site | Land Use | NAC Category | AM | PM |
|-------------|---|-------------|--------------|----------------------|----------------------|
| | | | | L_{eq} (1hr) dB(A) | L_{eq} (1hr) dB(A) |
| M-40(K1315) | 1 Lake Street, Fort Wright | Residential | Category B | 61.2 | 61.0 |
| M-41(K1318) | 15 Highview Drive, Fort Wright | Residential | Category B | 70.7 | 72.1 |
| M-42(K1348) | 1 Highview Drive, Fort Wright | Residential | Category B | 66.4 | 70.7 |
| M-43(K1349) | Days Inn, 1945 Dixie Highway, Fort Wright | Commercial | Category E | 74.4 | 76.1 |
| M-44(K75) | 1971 Pieck Drive, Fort Mitchell | Residential | Category B | 68.1 | 72.3 |
| M-45(K1484) | Central Church of Nazarene, 2006 Pieck Drive, Fort Wright | Church | Category D | 70.4 | 73.7 |
| M-46(K1469) | 15 Leslie Avenue, Fort Mitchell | Residential | Category B | 68.3 | 69.2 |
| M-47(K2141) | Beechwood Elementary and High schools, 54 Beechwood Road, Fort Mitchell | School | Category C | 56.8 | 59.1 |
| M-48(K37) | 102 West Maple Avenue, Fort Mitchell | Residential | Category B | 62.1 | 63.7 |

¹ Noise measurements collected in January and February 2010 for duration of 20 minutes per noise measurement.

Table 3B. Summary and Comparison of Weekday Daily Average Noise Measurements(L_{eq} [1hr]) dB(A) Collected in Goebel Park with the Community Pool Open and Closed

| Time | Site 1 Noise Measurement Comparison ⁽¹⁾ | | | Site 2 Noise Measurement Comparison | | | Site 3 Noise Measurement Comparison | | |
|----------|--|--|---|---|--|---|---|--|---|
| | 4 Day Average with Pool Open L_{eq} (1hr) dB(A) | 3 Day Average with Pool Closed L_{eq} (1 hr) dB(A) | Comparison of Pool Open Minus Pool Closed | 4 Day Average with Pool Open L_{eq} (1hr) dB(A) | 3 Day Average with Pool Closed L_{eq} (1 hr) dB(A) | Comparison of Pool Open Minus Pool Closed | 4 Day Average with Pool Open L_{eq} (1hr) dB(A) | 3 Day Average with Pool Closed L_{eq} (1 hr) dB(A) | Comparison of Pool Open Minus Pool Closed |
| 12-1 AM | 65.9 | 63.9 | 2.0 | 64.1 | 64.0 | 0.1 | 61.2 | 64.0 | -2.8 |
| 1-2 AM | 64.9 | 63.0 | 1.9 | 63.6 | 63.8 | -0.2 | 60.3 | 64.2 | -3.9 |
| 2-3 AM | 64.7 | 62.3 | 2.4 | 64.2 | 63.3 | 0.9 | 59.8 | 64.7 | -4.9 |
| 3-4 AM | 65.7 | 62.7 | 3.0 | 64.1 | 63.5 | 0.6 | 60.0 | 63.3 | -3.3 |
| 4-5 AM | 67.5 | 63.4 | 4.1 | 66.1 | 64.1 | 2.0 | 61.1 | 63.9 | -2.8 |
| 5-6 AM | 68.8 | 65.3 | 3.5 | 67.5 | 65.9 | 1.6 | 63.8 | 65.9 | -2.1 |
| 6-7 AM | 68.7 | 65.9 | 2.8 | 66.9 | 66.4 | 0.5 | 64.5 | 66.6 | -2.1 |
| 7-8 AM | 69.3 | 65.2 | 4.1 | 68.5 | 65.0 | 3.5 | 63.3 | 65.3 | -2.0 |
| 8-9 AM | 66.8 | 64.6 | 2.2 | 66.6 | 64.4 | 2.2 | 62.8 | 64.3 | -1.5 |
| 9-10 AM | 67.6 | 66.2 | 1.4 | 66.1 | 66.5 | -0.4 | 64.1 | 67.4 | -3.3 |
| 10-11 AM | 68.4 | 67.1 | 1.3 | 65.8 | 67.3 | -1.5 | 64.5 | 67.4 | -2.9 |
| 11-12 PM | 69.6 | 67.1 | 2.5 | 66.6 | 67.0 | -0.4 | 64.5 | 66.9 | -2.4 |
| 12-1 PM | 69.6 | 66.9 | 2.7 | 67.0 | 66.7 | 0.3 | 64.6 | 66.3 | -1.7 |
| 1-2 PM | 69.2 | 66.9 | 2.3 | 67.1 | 67.6 | -0.5 | 64.7 | 65.1 | -0.4 |
| 2-3 PM | 70.1 | 67.7 | 2.4 | 67.5 | 65.7 | 1.8 | 65.0 | 66.1 | -1.1 |
| 3-4 PM | 69.7 | 66.7 | 3.0 | 67.1 | 65.3 | 1.8 | 66.0 | 64.7 | 1.3 |
| 4-5 PM | 68.9 | 65.6 | 3.3 | 67.2 | 65.7 | 1.5 | 64.2 | 62.1 | 2.1 |
| 5-6 PM | 69.3 | 65.3 | 4.0 | 68.1 | 64.8 | 3.3 | 64.2 | 63.8 | 0.4 |
| 6-7 PM | 69.7 | 65.9 | 3.8 | 68.4 | 70.1 | -1.7 | 64.9 | 65.5 | -0.6 |
| 7-8 PM | 70.1 | 66.4 | 3.7 | 68.3 | 71.2 | -2.9 | 65.2 | 65.7 | -0.5 |
| 8-9 PM | 69.6 | 66.1 | 3.5 | 67.9 | 66.0 | 1.9 | 65.2 | 66.9 | -1.7 |
| 9-10 PM | 68.7 | 65.2 | 3.5 | 67.2 | 65.7 | 1.5 | 65.3 | 65.4 | -0.1 |
| 10-11 PM | 67.2 | 64.7 | 2.5 | 66.3 | 65.6 | 0.7 | 63.3 | 65.2 | -1.9 |
| 11-12 PM | 66.4 | 64.0 | 2.4 | 65.4 | 64.6 | 0.8 | 62.4 | 64.6 | -2.2 |
| Lday | 69.2 | 66.3 | 2.9 | 67.4 | 67.1 | 0.3 | 64.6 | 65.7 | -1.1 |
| Lnight | 66.9 | 64.1 | 2.8 | 65.6 | 64.7 | 0.9 | 62.1 | 64.8 | -2.7 |
| Ldn | 68.5 | 65.6 | 2.9 | 66.8 | 66.3 | 0.5 | 63.9 | 65.4 | -1.5 |

⁽¹⁾ Hourly noise measurements with the pool open were collected on 8/1/11 through 8/4/11 and from 8/30/11 to 9/1/11 when the pool was closed. The Goebel Park pool is open to the public from Noon to 7:00 PM from mid June to mid August.

Table 4. TNM Validation: Summary of Ambient Noise Measurements and TNM Predicted Existing Noise Levels

| Site Number | Address of Measurement Site | Land Use | NAC Category | Date of Noise Reading | 7-11 AM Time Period | | | 2-6 PM Time Period | | |
|-----------------|---|-------------|--------------|-----------------------|--------------------------------|-----------|--------------------------------------|--------------------------------|-----------|--------------------------------------|
| | | | | | Noise ¹ Measurement | TNM Model | Delta * L _{eq} (1-hr) dB(A) | Noise ¹ Measurement | TNM Model | Delta * L _{eq} (1-hr) dB(A) |
| KY-V1 (M-21) | 725 Crescent Avenue, Covington | Residential | B | 8/2/11 | 64.5 | 67.7 | 3.2 | 64.5 | 67.8 | 3.3 |
| KY-V2 (M-27) | 536 West 13 th Street, Covington | Residential | B | 8/2/11 | 69.4 | 70.5 | 1.1 | 72.1 | 71.8 | -0.3 |
| KY-V3 (M-45) | Church of The Nazarene, 2006 Pieck Drive, Fort Wright | Church | C | 8/2/11 | 72.8 | 70.4 | -2.4 | 73.4 | 73.0 | -0.4 |

¹ Noise measurements collected on August 2nd 2011 for duration of 30 minutes per noise measurement.

² Delta L_{eq} (1-hr) dB(A) = TNM predicted minus Measured Noise Level

5.0 FUTURE NOISE LEVELS

5.1 Future 2035 No Build Noise Levels

Future (2035) No Build noise levels were estimated at 959 noise modeling receiver locations using the Traffic Noise Model Version 2.5 (TNM). These modeling locations consist of 32 noise measurement sites and 951 prediction sites as depicted in Exhibits 3A through 3N). A summary of peak hour predicted existing and future No Build Alternative noise levels at each modeling point is provided in Table 5. Table 6 presents a summary of the future No Build Alternative impacts by activity category. TNM files are provided in Appendix C.

The PM peak period has a slightly higher number of impacts than the AM peak hour. Under the 2035 No Build Alternative, the total number of projected impacts is expected to increase by about 15 percent. There are 478 future 2035 No Build PM peak hour receiver impacts comprised of 1,262 equivalent residences as compared to 416 receiver impacts equating to 1,178 equivalent residential receptors under the PM peak hour existing conditions. The largest impact by activity category is projected to occur for Category B uses where 554 equivalent receptor impacts represented by 429 TNM receiver points are expected during the PM peak period. In addition, a fairly large number of Category C noise impacts were identified within the project corridor due to the presence of schools, playgrounds and parks within the project study area which generally equate to a significant number of equivalent residential units.

5.2 Alternative E

Alternative E noise levels were determined at 959 TNM receiver modeling locations (see Exhibits 3A through 3N). Table 7 presents Alternative E predicted noise levels by receiver. Table 6 presents a summary of Alternative E impacts by activity category. TNM files are provided in Appendix C.

In general, the number of PM peak period impacts is slightly greater than the corresponding AM peak projections. Under Alternative E, the total number of PM peak hour impacts is expected to increase by approximately 12 percent (537 versus 478 impacts) from the 2035 future No Build conditions and increase by 29 percent (537 versus 416 impacts) when compared to existing (2010) noise levels. In terms of equivalent residential receptor impacts, there is a 12 percent increase (1,316 versus 1,178) under the Alternative E PM peak hour compared to the 2010 existing conditions. The largest number of impacts by activity category is for Activity Category B residential uses, where 491 receivers exceed the impact threshold representing 631 equivalent residences during the PM peak period. The 631 equivalent receptor impacts yield a 29 percent increase from the existing (2010) PM conditions (483 equivalent residences). In addition, a fairly large number of Category C noise impacts were identified within the project corridor due to the presence of schools, playgrounds and parks within the project study area which generally equate to a significant number of equivalent residential units.

5.3 Alternative I

For Alternative I, noise levels were determined at 959 locations (Exhibits 3A through 3N). Table 8 presents Alternative I predicted noise levels by receiver. Table 6 presents a summary of Alternative I impacts by activity category. TNM files are provided in Appendix C.

In general, the PM peak period has a slightly higher number of impacts than the AM peak hour. Under Alternative I, the PM peak hour impacts increase by approximately 18 percent (565 versus 478 impacts) from 2035 future No Build conditions and increase by 36 percent (565

versus 416 impacts) when compared to the existing (2010) noise levels. In terms of equivalent residential unit impacts, there is a 28 percent increase (1,385 versus 1,078) compared to the existing (2010) conditions. The largest number of impacts by activity category is for Activity Category B residential uses; where 512 receivers representing 659 equivalent residential units exceed impact thresholds during the PM peak period. The 659 equivalent receptor impacts represent a 36 percent increase over comparable existing (2010) conditions (483 equivalent residences). In addition, a fairly large number of Category C noise impacts were identified within the project corridor due to the presence of schools, playgrounds and parks within the project study area which generally equate to a significant number of equivalent residential units.

5.4 Alternative E and I Permitted Vacant Undeveloped Parcels Findings

Within the project study area, the land use survey did not identify non-permitted undeveloped lands. Therefore all vacant parcels were modeled for noise impacts in accordance with their intended permitted activity category. These types of receptors are indicated as vacant with their intended land use designation shown in Table 5, Table 7, and Table 8. Most of the vacant parcels are residential lots, which were considered for noise abatement in accordance with KYTC traffic noise abatement feasibility and reasonableness requirements for their permitted use. The noise abatement analysis findings are included in Chapter 6 of this report. The remaining lots consisted of primarily permitted commercial uses which were evaluated under NAC Activity Category E.

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| M-17(K161) | Single-Family | B | 61.5 | 61.8 | 0.3 | 61.7 | 62.0 | 0.3 |
| R1(K177) | Single-Family | B | 62.9 | 63.9 | 1.0 | 63.4 | 64.4 | 1.0 |
| R2(K163) | Single-Family | B | 62.0 | 62.7 | 0.7 | 62.2 | 62.9 | 0.7 |
| R3(K166) | Single-Family | B | 62.7 | 63.6 | 0.9 | 62.8 | 63.8 | 1.0 |
| R4(K173) | Single-Family | B | 62.9 | 63.9 | 1.0 | 63.1 | 64.0 | 0.9 |
| R5(K165) | Single-Family | B | 62.3 | 63.1 | 0.8 | 62.6 | 63.4 | 0.8 |
| R6(K169) | Single-Family | B | 62.7 | 63.6 | 0.9 | 62.8 | 63.8 | 1.0 |
| R7(K183) | Single-Family | B | 65.0 | 65.9 | 0.9 | 65.4 | 66.3 | 0.9 |
| R8(K176) | Single-Family | B | 63.1 | 64.0 | 0.9 | 63.2 | 64.2 | 1.0 |
| R9(K185) | Single-Family | B | 65.1 | 66.0 | 0.9 | 65.4 | 66.4 | 1.0 |
| R10(K192) | Single-Family | B | 64.0 | 64.9 | 0.9 | 64.3 | 65.3 | 1.0 |
| R11(K188) | Single-Family | B | 65.1 | 66.1 | 1.0 | 65.5 | 66.5 | 1.0 |
| R12(K195) | Single-Family | B | 65.1 | 66.1 | 1.0 | 65.5 | 66.5 | 1.0 |
| R13(K184 R-40) | Single-Family | B | 65.5 | 66.4 | 0.9 | 65.6 | 66.6 | 1.0 |
| R14(K199) | Single-Family | B | 65.5 | 66.4 | 0.9 | 65.8 | 66.8 | 1.0 |
| R15(K198) | Single-Family | B | 66.4 | 67.4 | 1.0 | 66.6 | 67.6 | 1.0 |
| M-18(K190) | Single-Family | B | 66.4 | 67.4 | 1.0 | 66.5 | 67.5 | 1.0 |
| R16(K205) | Single-Family | B | 67.0 | 68.0 | 1.0 | 67.4 | 68.4 | 1.0 |
| R17(K207) | Single-Family | B | 67.1 | 68.1 | 1.0 | 67.5 | 68.5 | 1.0 |
| R18(K201) | Single-Family | B | 67.0 | 68.0 | 1.0 | 67.2 | 68.2 | 1.0 |
| R19(K210) | Single-Family | B | 67.2 | 68.2 | 1.0 | 67.6 | 68.6 | 1.0 |
| R20(K211 R-42) | Single-Family | B | 67.3 | 68.3 | 1.0 | 67.7 | 68.7 | 1.0 |
| R21(K175 R-37) | Hotel | E | 66.1 | 67.0 | 0.9 | 66.3 | 67.3 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|----------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R22(K213) | Single-Family | B | 67.3 | 68.3 | 1.0 | 67.7 | 68.7 | 1.0 |
| R23(K214) | Single-Family | B | 67.3 | 68.3 | 1.0 | 67.8 | 68.8 | 1.0 |
| R24(K215) | Single-Family | B | 67.3 | 68.3 | 1.0 | 67.7 | 68.8 | 1.1 |
| R25(K220) | Single-Family | B | 66.1 | 67.1 | 1.0 | 66.7 | 67.7 | 1.0 |
| R26(KV220) | Vacant | B | 68.0 | 69.0 | 1.0 | 68.4 | 69.5 | 1.1 |
| R27(K225) | Restaurant/Bar | E | 63.6 | 64.5 | 0.9 | 64.4 | 65.4 | 1.0 |
| R28(K234) | Multi-Family | B | 66.2 | 67.2 | 1.0 | 66.6 | 67.6 | 1.0 |
| R29(KV235) | Vacant | B | 68.0 | 69.0 | 1.0 | 68.4 | 69.4 | 1.0 |
| R30(K235) | Single-Family | B | 63.6 | 64.6 | 1.0 | 63.9 | 64.9 | 1.0 |
| R31(K237) | Single-Family | B | 60.9 | 61.9 | 1.0 | 61.3 | 62.4 | 1.1 |
| R32(K27) | Single-Family | B | 63.9 | 64.9 | 1.0 | 64.3 | 65.4 | 1.1 |
| R33(K240) | Single-Family | B | 64.4 | 65.3 | 0.9 | 64.9 | 65.9 | 1.0 |
| R34(K248) | Single-Family | B | 63.6 | 64.6 | 1.0 | 64.2 | 65.2 | 1.0 |
| R35(K238A) | Multi-Family | B | 69.3 | 70.3 | 1.0 | 69.8 | 70.9 | 1.1 |
| R36(K252) | Single-Family | B | 64.8 | 65.8 | 1.0 | 65.2 | 66.3 | 1.1 |
| M-19(K25) | Multi-Family | B | 69.9 | 71.0 | 1.1 | 70.5 | 71.6 | 1.1 |
| R37(K238) | Multi-Family | B | 69.7 | 70.8 | 1.1 | 70.3 | 71.4 | 1.1 |
| R38(K257) | Single-Family | B | 64.2 | 65.2 | 1.0 | 64.6 | 65.7 | 1.1 |
| R39(K247) | Multi-Family | B | 69.9 | 70.9 | 1.0 | 70.4 | 71.4 | 1.0 |
| R40(K261) | Single-Family | B | 64.1 | 65.1 | 1.0 | 64.5 | 65.6 | 1.1 |
| R41(K265) | Single-Family | B | 64.8 | 65.8 | 1.0 | 65.2 | 66.2 | 1.0 |
| R42(K254) | Single-Family | B | 67.6 | 68.6 | 1.0 | 68.0 | 69.1 | 1.1 |
| R43(K269) | Single-Family | B | 64.8 | 65.9 | 1.1 | 65.2 | 66.3 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R44(K285) | Single-Family | B | 62.5 | 63.6 | 1.1 | 62.9 | 64.0 | 1.1 |
| R45(K256) | Single-Family | B | 65.4 | 66.4 | 1.0 | 65.9 | 66.9 | 1.0 |
| R46(KV256) | Vacant | B | 70.1 | 71.2 | 1.1 | 70.6 | 71.7 | 1.1 |
| R47(K275) | Single-Family | B | 65.7 | 66.7 | 1.0 | 66.1 | 67.2 | 1.1 |
| R48(K296) | Single-Family | B | 64.8 | 65.9 | 1.1 | 65.2 | 66.3 | 1.1 |
| R49(K266) | Single-Family | B | 65.1 | 66.1 | 1.0 | 65.5 | 66.6 | 1.1 |
| R50(KV266) | Vacant | B | 71.0 | 72.0 | 1.0 | 71.4 | 72.5 | 1.1 |
| R51(K276) | Single-Family | B | 68.9 | 69.9 | 1.0 | 69.3 | 70.4 | 1.1 |
| R52(K255) | Single-Family | B | 71.5 | 72.6 | 1.1 | 72.4 | 73.5 | 1.1 |
| R53(K287) | Single-Family | B | 70.3 | 71.3 | 1.0 | 70.7 | 71.8 | 1.1 |
| R54(K294) | Single-Family | B | 70.2 | 71.2 | 1.0 | 70.6 | 71.7 | 1.1 |
| R55(K112) | Single-Family | B | 72.4 | 73.5 | 1.1 | 73.1 | 74.2 | 1.1 |
| R56(K403) | Recreation | C | 66.7 | 67.8 | 1.1 | 67.1 | 68.2 | 1.1 |
| R57(K302) | Single-Family | B | 69.7 | 70.7 | 1.0 | 70.1 | 71.2 | 1.1 |
| R58(K267) | Single-Family | B | 72.6 | 73.8 | 1.2 | 73.3 | 74.4 | 1.1 |
| R59(K270) | Single-Family | B | 72.8 | 73.9 | 1.1 | 73.5 | 74.6 | 1.1 |
| R60(K307) | Single-Family | B | 69.5 | 70.6 | 1.1 | 69.9 | 71.0 | 1.1 |
| R61(K312) | Single-Family | B | 69.8 | 70.9 | 1.1 | 70.2 | 71.3 | 1.1 |
| R62(K280 R-45) | Single-Family | B | 72.9 | 74.0 | 1.1 | 73.6 | 74.7 | 1.1 |
| R63(KV312) | Vacant | B | 71.2 | 72.2 | 1.0 | 71.7 | 72.8 | 1.1 |
| R64(K10) | Single-Family | B | 73.1 | 74.2 | 1.1 | 73.7 | 74.8 | 1.1 |
| R65(KV304) | Vacant | B | 73.1 | 74.1 | 1.0 | 73.6 | 74.7 | 1.1 |
| M-21(K304) | Single-Family | B | 73.1 | 74.1 | 1.0 | 73.7 | 74.8 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|----------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R66(K111) | Razed | B | 73.0 | 74.1 | 1.1 | 73.6 | 74.7 | 1.1 |
| R67(KV111) | Vacant | B | 73.3 | 74.3 | 1.0 | 73.8 | 74.9 | 1.1 |
| R68(K179 R-38) | Hotel | E | 71.0 | 72.0 | 1.0 | 71.4 | 72.4 | 1.0 |
| R69(K407) | Multi-Family | B | 68.6 | 69.6 | 1.0 | 69.0 | 70.1 | 1.1 |
| R70(K229) | Hotel | E | 70.8 | 71.8 | 1.0 | 71.0 | 72.0 | 1.0 |
| R71(K440) | Single-Family | B | 67.6 | 68.6 | 1.0 | 68.1 | 69.2 | 1.1 |
| R72(K18) | Single-Family | B | 67.8 | 68.8 | 1.0 | 68.4 | 69.5 | 1.1 |
| R73(K194) | Restaurant/Bar | E | 62.5 | 63.3 | 0.8 | 62.8 | 63.6 | 0.8 |
| R74(K456) | Single-Family | B | 67.5 | 68.5 | 1.0 | 68.0 | 69.1 | 1.1 |
| R75(K229 R-43) | Commercial | E | 66.2 | 67.2 | 1.0 | 66.2 | 67.3 | 1.1 |
| R76(K418) | Multi-Family | B | 69.6 | 70.8 | 1.2 | 70.3 | 71.5 | 1.2 |
| R77(KV418) | Vacant | B | 72.5 | 73.5 | 1.0 | 73.2 | 74.3 | 1.1 |
| R78(K470) | Single-Family | B | 66.1 | 67.2 | 1.1 | 66.7 | 67.8 | 1.1 |
| R79(K127) | Hotel | E | 62.0 | 62.9 | 0.9 | 62.4 | 63.4 | 1.0 |
| R80(KV460) | Vacant | B | 71.9 | 72.9 | 1.0 | 72.5 | 73.6 | 1.1 |
| R81(K485) | Single-Family | B | 65.5 | 66.5 | 1.0 | 66.1 | 67.2 | 1.1 |
| R82(KV460) | Vacant | B | 71.4 | 72.4 | 1.0 | 72.0 | 73.1 | 1.1 |
| R83(K513) | Single-Family | B | 64.1 | 65.1 | 1.0 | 64.8 | 65.8 | 1.0 |
| R84(K437) | Single-Family | B | 74.6 | 75.6 | 1.0 | 75.3 | 76.4 | 1.1 |
| R85(K494) | Single-Family | B | 65.0 | 66.0 | 1.0 | 65.6 | 66.7 | 1.1 |
| R86(K460) | Single-Family | B | 65.1 | 66.4 | 1.3 | 66.3 | 67.6 | 1.3 |
| R87(K467) | Single-Family | B | 63.1 | 64.6 | 1.5 | 64.6 | 66.1 | 1.5 |
| R88(K474) | Single-Family | B | 60.9 | 62.6 | 1.7 | 62.5 | 64.1 | 1.6 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R89(K446) | Multi-Family | B | 74.8 | 75.8 | 1.0 | 75.6 | 76.7 | 1.1 |
| R90(K532) | Single-Family | B | 66.2 | 67.2 | 1.0 | 66.9 | 68.0 | 1.1 |
| R91(K488) | Single-Family | B | 60.3 | 62.1 | 1.8 | 62.4 | 64.2 | 1.8 |
| M-20(K309) | Single-Family | B | 68.3 | 69.3 | 1.0 | 68.6 | 69.6 | 1.0 |
| R92(K518) | Single-Family | B | 67.4 | 68.6 | 1.2 | 68.3 | 69.5 | 1.2 |
| R93(K455) | Single-Family | B | 74.6 | 75.7 | 1.1 | 75.4 | 76.5 | 1.1 |
| R94(K465) | Single-Family | B | 74.1 | 75.1 | 1.0 | 74.8 | 75.9 | 1.1 |
| R95(K314 R-46) | Single-Family | B | 70.5 | 71.5 | 1.0 | 71.0 | 72.1 | 1.1 |
| R96(K526) | Single-Family | B | 62.9 | 64.3 | 1.4 | 64.2 | 65.6 | 1.4 |
| R97(K115) | Recreation | C | 66.1 | 67.1 | 1.0 | 66.5 | 67.6 | 1.1 |
| R97a(K115) | Recreation | C | 71.0 | 72.0 | 1.0 | 71.5 | 72.6 | 1.1 |
| R97b(K115) | Recreation | C | 69.9 | 71.0 | 1.1 | 70.4 | 71.5 | 1.1 |
| R97c(K115) | Recreation | C | 67.1 | 68.1 | 1.0 | 67.6 | 68.7 | 1.1 |
| R97d(K115) | Recreation | C | 66.7 | 67.7 | 1.0 | 67.0 | 68.1 | 1.1 |
| R97e(K115) | Recreation | C | 65.5 | 66.5 | 1.0 | 65.9 | 66.9 | 1.0 |
| R97f(K115) | Recreation | C | 62.3 | 62.9 | 0.6 | 62.4 | 63.2 | 0.8 |
| R97g(K115) | Recreation | C | 70.9 | 71.7 | 0.8 | 71.0 | 71.9 | 0.9 |
| R97h(K115) | Recreation | C | 70.0 | 71.0 | 1.0 | 70.2 | 71.3 | 1.1 |
| R97i(K115) | Recreation | C | 68.6 | 69.6 | 1.0 | 68.7 | 69.8 | 1.1 |
| R97j(K115) | Recreation | C | 68.7 | 69.7 | 1.0 | 69.0 | 70.0 | 1.0 |
| R97k(K115) | Recreation | C | 65.4 | 66.4 | 1.0 | 65.8 | 66.8 | 1.0 |
| R97l(K115) | Recreation | C | 64.4 | 65.4 | 1.0 | 64.9 | 66.0 | 1.1 |
| R97m(K115) | Recreation | C | 66.8 | 67.8 | 1.0 | 67.1 | 68.1 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R97n(K115) | Recreation | C | 68.7 | 69.8 | 1.1 | 69.3 | 70.4 | 1.1 |
| R97o(K115) | Recreation | C | 69.4 | 70.5 | 1.1 | 69.9 | 71.0 | 1.1 |
| R97p(K115) | Recreation | C | 67.5 | 68.6 | 1.1 | 68.0 | 69.1 | 1.1 |
| R97q(K115) | Recreation | C | 66.2 | 67.2 | 1.0 | 66.6 | 67.7 | 1.1 |
| R97r(K115) | Recreation | C | 66.3 | 67.3 | 1.0 | 66.8 | 67.9 | 1.1 |
| R97s(K115) | Recreation | C | 68.0 | 69.0 | 1.0 | 68.6 | 69.7 | 1.1 |
| R97t(K115) | Recreation | C | 68.9 | 69.9 | 1.0 | 69.4 | 70.5 | 1.1 |
| R97u(K115) | Recreation | C | 69.7 | 70.8 | 1.1 | 70.1 | 71.2 | 1.1 |
| R97v(K115) | Recreation | C | 66.2 | 67.2 | 1.0 | 66.6 | 67.7 | 1.1 |
| R97w(K115) | Recreation | C | 67.4 | 68.4 | 1.0 | 67.7 | 68.7 | 1.0 |
| R97x(K115) | Recreation | C | 65.4 | 66.4 | 1.0 | 65.8 | 66.9 | 1.1 |
| R97y(K115) | Recreation | C | 74.4 | 75.0 | 0.6 | 74.3 | 75.0 | 0.7 |
| R97z(K115) | Recreation | C | 71.9 | 72.9 | 1.0 | 72.0 | 73.0 | 1.0 |
| R97aa(K115) | Recreation | C | 68.9 | 69.9 | 1.0 | 69.4 | 70.5 | 1.1 |
| R98(K480) | Single-Family | B | 73.7 | 74.8 | 1.1 | 74.5 | 75.6 | 1.1 |
| M-22(K484) | Single-Family | B | 73.6 | 74.7 | 1.1 | 74.4 | 75.5 | 1.1 |
| R99(K473) | Single-Family | B | 74.2 | 75.2 | 1.0 | 75.0 | 76.1 | 1.1 |
| R100(K318) | Single-Family | B | 70.0 | 71.0 | 1.0 | 70.5 | 71.6 | 1.1 |
| R101(K492) | Single-Family | B | 73.5 | 74.5 | 1.0 | 74.2 | 75.3 | 1.1 |
| R102(K15) | Razed | B | 72.0 | 73.0 | 1.0 | 72.8 | 73.9 | 1.1 |
| R103(K1771) | Single-Family | B | 65.3 | 66.4 | 1.1 | 66.0 | 67.1 | 1.1 |
| R104(K1832) | Single-Family | B | 65.1 | 66.1 | 1.0 | 65.8 | 66.8 | 1.0 |
| R105(K524) | Multi-Family | B | 71.7 | 72.7 | 1.0 | 72.5 | 73.6 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|----------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R106(KV492) | Vacant | B | 73.4 | 74.4 | 1.0 | 74.1 | 75.2 | 1.1 |
| R107(K541) | Single-Family | B | 63.4 | 64.7 | 1.3 | 64.6 | 66.0 | 1.4 |
| R108(K354) | Single-Family | B | 69.5 | 70.5 | 1.0 | 70.0 | 71.1 | 1.1 |
| R109(K349) | Single-Family | B | 69.1 | 70.1 | 1.0 | 69.6 | 70.7 | 1.1 |
| R110(K361) | Single-Family | B | 68.8 | 69.9 | 1.1 | 69.3 | 70.4 | 1.1 |
| R111(K527) | Single-Family | B | 70.9 | 71.9 | 1.0 | 71.7 | 72.8 | 1.1 |
| R112(K1841) | Single-Family | B | 65.4 | 66.5 | 1.1 | 66.1 | 67.2 | 1.1 |
| R113(K548) | Single-Family | B | 65.2 | 66.4 | 1.2 | 66.4 | 67.7 | 1.3 |
| R114(K1846) | Single-Family | B | 65.5 | 66.6 | 1.1 | 66.2 | 67.3 | 1.1 |
| R115(KV536) | Vacant | B | 72.2 | 73.2 | 1.0 | 72.9 | 74.0 | 1.1 |
| R116(K1816) | Single-Family | B | 66.4 | 67.4 | 1.0 | 67.1 | 68.2 | 1.1 |
| R117(KV1846) | Vacant | B | 66.5 | 67.5 | 1.0 | 67.1 | 68.2 | 1.1 |
| R118(K335) | Single-Family | B | 67.0 | 68.0 | 1.0 | 67.5 | 68.6 | 1.1 |
| R119(K322) | Single-Family | B | 64.4 | 65.4 | 1.0 | 64.9 | 65.9 | 1.0 |
| R120(KV1795) | Vacant | B | 70.2 | 71.3 | 1.1 | 71.0 | 72.2 | 1.2 |
| R121(K194 R-39) | Restaurant/Bar | E | 61.2 | 62.1 | 0.9 | 61.7 | 62.6 | 0.9 |
| R122(K365) | Single-Family | B | 68.1 | 69.1 | 1.0 | 68.6 | 69.7 | 1.1 |
| R123(K536) | Multi-Family | B | 69.3 | 70.4 | 1.1 | 70.1 | 71.2 | 1.1 |
| R124(K364) | Single-Family | B | 66.4 | 67.5 | 1.1 | 66.9 | 68.0 | 1.1 |
| R125(K1795) | Single-Family | B | 65.1 | 66.5 | 1.4 | 66.4 | 67.8 | 1.4 |
| R126(K370) | Multi-Family | B | 68.1 | 69.2 | 1.1 | 68.6 | 69.7 | 1.1 |
| R127(K1800) | Single-Family | B | 66.3 | 67.5 | 1.2 | 67.4 | 68.6 | 1.2 |
| R128(K1877) | Single-Family | B | 65.9 | 66.9 | 1.0 | 66.6 | 67.6 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|----------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R129(K340) | Single-Family | B | 60.5 | 61.5 | 1.0 | 61.1 | 62.2 | 1.1 |
| R130(K308) | Multi-Family | B | 63.7 | 64.7 | 1.0 | 64.2 | 65.2 | 1.0 |
| R131(K299) | Single-Family | B | 64.1 | 65.1 | 1.0 | 64.6 | 65.6 | 1.0 |
| R132(K545) | Single-Family | B | 68.3 | 69.4 | 1.1 | 69.2 | 70.3 | 1.1 |
| R133(K1811) | Single-Family | B | 62.1 | 63.5 | 1.4 | 63.7 | 65.1 | 1.4 |
| R134(K313) | Single-Family | B | 63.2 | 64.2 | 1.0 | 63.7 | 64.8 | 1.1 |
| R135(K346) | Single-Family | B | 62.1 | 63.2 | 1.1 | 62.8 | 63.9 | 1.1 |
| R136(K326) | Office | E | 61.6 | 62.6 | 1.0 | 62.1 | 63.1 | 1.0 |
| R137(K194 R-41) | Restaurant/Bar | E | 62.8 | 63.8 | 1.0 | 63.9 | 64.8 | 0.9 |
| R138(K552) | Single-Family | B | 69.0 | 70.0 | 1.0 | 69.9 | 70.9 | 1.0 |
| R139(K409 R-47) | Recreation | C | 66.2 | 67.2 | 1.0 | 66.5 | 67.6 | 1.1 |
| R140(K352) | Single-Family | B | 61.7 | 62.8 | 1.1 | 62.4 | 63.5 | 1.1 |
| R141(K317) | Single-Family | B | 62.6 | 63.6 | 1.0 | 63.0 | 64.1 | 1.1 |
| R142(K368) | Single-Family | B | 64.6 | 65.7 | 1.1 | 65.2 | 66.3 | 1.1 |
| R143(K562) | Single-Family | B | 69.1 | 70.1 | 1.0 | 69.9 | 71.0 | 1.1 |
| R144(K1784) | Single-Family | B | 69.3 | 70.4 | 1.1 | 70.2 | 71.3 | 1.1 |
| R145(K229 R-44) | Commercial | E | 63.6 | 64.5 | 0.9 | 63.4 | 64.3 | 0.9 |
| R146(K1772) | Single-Family | B | 62.0 | 63.4 | 1.4 | 63.6 | 65.0 | 1.4 |
| R147(KV1801) | Vacant | B | 70.5 | 71.5 | 1.0 | 71.3 | 72.4 | 1.1 |
| R148(K360) | Single-Family | B | 60.9 | 62.0 | 1.1 | 61.6 | 62.6 | 1.0 |
| R149(K1790 R-48) | Single-Family | B | 69.5 | 70.5 | 1.0 | 70.3 | 71.4 | 1.1 |
| R150(K353) | Multi-Family | B | 57.0 | 58.0 | 1.0 | 57.7 | 58.8 | 1.1 |
| R151(K337) | Multi-Family | B | 52.4 | 53.4 | 1.0 | 53.1 | 54.2 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R152(K373) | Single-Family | B | 65.5 | 66.5 | 1.0 | 66.1 | 67.2 | 1.1 |
| R153(K379) | Single-Family | B | 65.9 | 66.9 | 1.0 | 66.5 | 67.6 | 1.1 |
| R154(K358) | Multi-Family | B | 54.6 | 55.6 | 1.0 | 55.2 | 56.3 | 1.1 |
| R155(K362) | Single-Family | B | 57.7 | 58.7 | 1.0 | 58.3 | 59.4 | 1.1 |
| R156(K344) | Single-Family | B | 57.0 | 58.0 | 1.0 | 57.6 | 58.7 | 1.1 |
| R157(K347) | Single-Family | B | 57.8 | 58.8 | 1.0 | 58.4 | 59.5 | 1.1 |
| R158(K367) | Single-Family | B | 55.3 | 56.4 | 1.1 | 56.0 | 57.1 | 1.1 |
| R159(K401) | Single-Family | B | 63.4 | 64.5 | 1.1 | 64.1 | 65.2 | 1.1 |
| R160(K382) | Single-Family | B | 66.4 | 67.5 | 1.1 | 67.1 | 68.2 | 1.1 |
| R161(K1777) | Single-Family | B | 59.9 | 61.6 | 1.7 | 61.9 | 63.5 | 1.6 |
| R162(K386) | Single-Family | B | 67.0 | 68.1 | 1.1 | 67.7 | 68.8 | 1.1 |
| R163(K1801) | Single-Family | B | 68.2 | 69.2 | 1.0 | 69.1 | 70.2 | 1.1 |
| R164(K332) | Studio | C | 57.4 | 58.4 | 1.0 | 58.0 | 59.1 | 1.1 |
| R165(K1885) | Single-Family | B | 65.4 | 66.2 | 0.8 | 65.9 | 66.7 | 0.8 |
| R166(K1828) | Single-Family | B | 59.9 | 61.8 | 1.9 | 62.2 | 63.9 | 1.7 |
| R167(K1883) | Single-Family | B | 65.1 | 65.9 | 0.8 | 65.6 | 66.5 | 0.9 |
| R168(K396) | Single-Family | B | 67.4 | 68.4 | 1.0 | 67.9 | 69.0 | 1.1 |
| R169(K388) | Single-Family | B | 67.2 | 68.2 | 1.0 | 67.8 | 68.9 | 1.1 |
| R170(K1812) | Single-Family | B | 67.7 | 68.7 | 1.0 | 68.6 | 69.7 | 1.1 |
| R171(K402) | Single-Family | B | 63.2 | 64.2 | 1.0 | 63.8 | 64.9 | 1.1 |
| R172(K1839) | Single-Family | B | 59.6 | 61.5 | 1.9 | 61.9 | 63.5 | 1.6 |
| R173(K1882) | Single-Family | B | 65.4 | 66.3 | 0.9 | 66.0 | 66.9 | 0.9 |
| R174(K1765) | Single-Family | B | 66.3 | 67.1 | 0.8 | 66.9 | 67.8 | 0.9 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R175(K1915) | Single-Family | B | 66.8 | 67.6 | 0.8 | 67.3 | 68.1 | 0.8 |
| R176(K1759) | Single-Family | B | 64.5 | 65.2 | 0.7 | 64.9 | 65.7 | 0.8 |
| R177(K1770) | Single-Family | B | 67.6 | 68.6 | 1.0 | 68.5 | 69.6 | 1.1 |
| R178(K371) | Single-Family | B | 51.8 | 52.8 | 1.0 | 52.5 | 53.6 | 1.1 |
| R179(K1879) | Single-Family | B | 63.7 | 64.4 | 0.7 | 64.3 | 65.2 | 0.9 |
| R180(K1909) | Single-Family | B | 67.0 | 67.8 | 0.8 | 67.5 | 68.4 | 0.9 |
| R181(K381) | Multi-Family | B | 51.2 | 52.3 | 1.1 | 51.9 | 53.0 | 1.1 |
| R182(K378) | Single-Family | B | 49.5 | 50.5 | 1.0 | 50.1 | 51.2 | 1.1 |
| R183(K384) | Single-Family | B | 58.6 | 59.6 | 1.0 | 59.3 | 60.4 | 1.1 |
| R184(K389) | Single-Family | B | 58.4 | 59.4 | 1.0 | 59.1 | 60.2 | 1.1 |
| R185(K1820) | Single-Family | B | 66.6 | 67.6 | 1.0 | 67.4 | 68.4 | 1.0 |
| R186(K369) | Single-Family | B | 58.2 | 59.5 | 1.3 | 58.4 | 59.6 | 1.2 |
| R187(K1755) | Razed | B | 63.5 | 64.3 | 0.8 | 64.1 | 65.0 | 0.9 |
| R188(K1903) | Single-Family | B | 61.5 | 62.3 | 0.8 | 62.2 | 63.0 | 0.8 |
| R189(K1873) | Single-Family | B | 63.9 | 64.7 | 0.8 | 64.6 | 65.5 | 0.9 |
| R190(K1834) | Single-Family | B | 66.7 | 67.7 | 1.0 | 67.5 | 68.6 | 1.1 |
| R191(K1871) | Single-Family | B | 64.4 | 65.2 | 0.8 | 65.1 | 66.0 | 0.9 |
| R192(K427) | Single-Family | B | 63.8 | 64.9 | 1.1 | 64.5 | 65.6 | 1.1 |
| R193(K387) | Multi-Family | B | 59.0 | 60.3 | 1.3 | 59.2 | 60.4 | 1.2 |
| R194(K1864) | Single-Family | B | 64.1 | 65.0 | 0.9 | 65.0 | 66.0 | 1.0 |
| R195(K1844) | Single-Family | B | 66.7 | 67.7 | 1.0 | 67.4 | 68.5 | 1.1 |
| R196(K400) | Multi-Family | B | 61.1 | 62.2 | 1.1 | 61.6 | 62.8 | 1.2 |
| R197(K380) | Multi-Family | B | 56.4 | 57.7 | 1.3 | 56.7 | 57.9 | 1.2 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R198(K1850) | Single-Family | B | 67.0 | 68.0 | 1.0 | 67.7 | 68.8 | 1.1 |
| R199(K397) | Razed | B | 59.1 | 60.3 | 1.2 | 59.5 | 60.7 | 1.2 |
| R200(K432) | Single-Family | B | 64.6 | 65.7 | 1.1 | 65.2 | 66.3 | 1.1 |
| R201(K383) | Multi-Family | B | 56.1 | 57.4 | 1.3 | 56.4 | 57.6 | 1.2 |
| R202(K413) | Multi-Family | B | 62.1 | 63.3 | 1.2 | 62.7 | 63.8 | 1.1 |
| R203(K1913) | Single-Family | B | 56.3 | 57.2 | 0.9 | 57.0 | 57.9 | 0.9 |
| R204(K1891) | Single-Family | B | 65.1 | 66.0 | 0.9 | 65.9 | 67.0 | 1.1 |
| R205(K1861) | Multi-Family | B | 67.2 | 68.1 | 0.9 | 67.9 | 68.9 | 1.0 |
| R206(K445) | Multi-Family | B | 63.9 | 64.9 | 1.0 | 64.4 | 65.5 | 1.1 |
| R207(K420) | Multi-Family | B | 62.0 | 63.2 | 1.2 | 62.5 | 63.6 | 1.1 |
| R208(K1764) | Day Care | C | 66.1 | 67.0 | 0.9 | 66.8 | 67.7 | 0.9 |
| M-23(K506) | Recreation | C | 68.1 | 69.1 | 1.0 | 68.5 | 69.6 | 1.1 |
| R209(K1897) | Single-Family | B | 62.2 | 63.2 | 1.0 | 63.1 | 64.2 | 1.1 |
| R210(K425) | Single-Family | B | 59.3 | 60.6 | 1.3 | 59.6 | 60.8 | 1.2 |
| R211(K1761) | Single-Family | B | 67.7 | 68.7 | 1.0 | 68.5 | 69.5 | 1.0 |
| R212(K454) | Multi-Family | B | 63.8 | 64.9 | 1.1 | 64.4 | 65.5 | 1.1 |
| R213(K1905) | Single-Family | B | 62.8 | 63.8 | 1.0 | 63.7 | 64.8 | 1.1 |
| R214(K435) | Single-Family | B | 58.9 | 60.2 | 1.3 | 59.2 | 60.4 | 1.2 |
| R215(K1926) | Multi-Family | B | 57.7 | 58.7 | 1.0 | 58.6 | 59.7 | 1.1 |
| R216(K422) | Single-Family | B | 57.8 | 59.0 | 1.2 | 58.4 | 59.5 | 1.1 |
| R217(K1932) | Single-Family | B | 56.4 | 57.4 | 1.0 | 57.2 | 58.3 | 1.1 |
| R218(K461) | Single-Family | B | 64.1 | 65.2 | 1.1 | 64.7 | 65.8 | 1.1 |
| R219(K1910) | Single-Family | B | 62.9 | 63.9 | 1.0 | 63.8 | 64.9 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R220(K457) | Single-Family | B | 62.1 | 63.3 | 1.2 | 62.6 | 63.7 | 1.1 |
| R221(K1938) | Single-Family | B | 59.5 | 60.6 | 1.1 | 60.3 | 61.4 | 1.1 |
| R222(K439) | Multi-Family | B | 56.2 | 57.4 | 1.2 | 56.8 | 57.9 | 1.1 |
| R223(K444) | Single-Family | B | 57.5 | 58.7 | 1.2 | 58.1 | 59.2 | 1.1 |
| R224(K1919) | Multi-Family | B | 64.4 | 65.5 | 1.1 | 65.3 | 66.4 | 1.1 |
| R225(K412) | Single-Family | B | 48.1 | 49.2 | 1.1 | 48.6 | 49.7 | 1.1 |
| R226(K447) | Single-Family | B | 57.9 | 59.1 | 1.2 | 58.4 | 59.6 | 1.2 |
| R227(K1944) | Single-Family | B | 59.3 | 60.3 | 1.0 | 60.1 | 61.2 | 1.1 |
| R228(K419) | Single-Family | B | 43.9 | 44.8 | 0.9 | 44.5 | 45.5 | 1.0 |
| R229(K430) | Single-Family | B | 50.5 | 51.6 | 1.1 | 51.0 | 52.2 | 1.2 |
| R230(K1927) | Multi-Family | B | 64.6 | 65.6 | 1.0 | 65.5 | 66.6 | 1.1 |
| R231(K626) | Multi-Family | B | 58.1 | 59.1 | 1.0 | 58.8 | 59.9 | 1.1 |
| R232(K452) | Single-Family | B | 55.7 | 56.8 | 1.1 | 56.2 | 57.4 | 1.2 |
| R233(K466) | Multi-Family | B | 62.9 | 64.1 | 1.2 | 63.6 | 64.7 | 1.1 |
| R234(K477) | Razed | B | 64.0 | 65.2 | 1.2 | 64.7 | 65.8 | 1.1 |
| R235(K495) | Single-Family | B | 64.9 | 66.1 | 1.2 | 65.6 | 66.7 | 1.1 |
| R236(K1937) | Single-Family | B | 64.0 | 65.1 | 1.1 | 65.0 | 66.1 | 1.1 |
| R237(K620) | Single-Family | B | 63.4 | 64.4 | 1.0 | 64.2 | 65.3 | 1.1 |
| R238(K451) | Single-Family | B | 49.5 | 50.5 | 1.0 | 50.2 | 51.2 | 1.0 |
| R239(K649) | Single-Family | B | 50.3 | 51.3 | 1.0 | 50.5 | 51.6 | 1.1 |
| R240(K1954) | Single-Family | B | 61.3 | 62.3 | 1.0 | 62.3 | 63.4 | 1.1 |
| R241(K478) | Single-Family | B | 59.3 | 60.4 | 1.1 | 60.1 | 61.2 | 1.1 |
| R242(K644) | Single-Family | B | 50.3 | 51.3 | 1.0 | 50.3 | 51.5 | 1.2 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|----------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R243(K1948) | Single-Family | B | 63.4 | 64.4 | 1.0 | 64.4 | 65.5 | 1.1 |
| R244(K458) | Single-Family | B | 51.1 | 52.1 | 1.0 | 51.9 | 52.9 | 1.0 |
| R245(K525) | Single-Family | B | 65.3 | 66.4 | 1.1 | 66.0 | 67.1 | 1.1 |
| R246(K1963) | Single-Family | B | 60.6 | 61.7 | 1.1 | 61.6 | 62.7 | 1.1 |
| R247(K643) | Single-Family | B | 50.1 | 51.1 | 1.0 | 50.2 | 51.3 | 1.1 |
| R248(K519) | Multi-Family | B | 64.3 | 65.4 | 1.1 | 65.0 | 66.1 | 1.1 |
| R249(K1947) | Restaurant/Bar | E | 65.3 | 66.3 | 1.0 | 66.3 | 67.4 | 1.1 |
| R250(K642) | Single-Family | B | 52.8 | 53.7 | 0.9 | 53.2 | 54.3 | 1.1 |
| R251(K1966) | Commercial | E | 59.6 | 60.6 | 1.0 | 60.4 | 61.5 | 1.1 |
| R252(K469) | Single-Family | B | 54.1 | 55.1 | 1.0 | 54.7 | 55.8 | 1.1 |
| R253(K499) | Single-Family | B | 61.5 | 62.5 | 1.0 | 62.2 | 63.3 | 1.1 |
| R254(K534) | Restaurant/Bar | E | 65.4 | 66.5 | 1.1 | 66.0 | 67.1 | 1.1 |
| R255(K510) | Multi-Family | B | 62.0 | 63.1 | 1.1 | 62.8 | 63.9 | 1.1 |
| R256(K641) | Single-Family | B | 55.4 | 56.4 | 1.0 | 56.1 | 57.2 | 1.1 |
| R257(K475) | Razed | B | 52.3 | 53.2 | 0.9 | 52.9 | 54.0 | 1.1 |
| R258(K614) | Single-Family | B | 65.2 | 66.2 | 1.0 | 66.1 | 67.1 | 1.0 |
| R259(K639) | Multi-Family | B | 62.3 | 63.3 | 1.0 | 63.2 | 64.3 | 1.1 |
| R260(K486) | Single-Family | B | 54.7 | 55.7 | 1.0 | 55.4 | 56.4 | 1.0 |
| R261(K491) | Single-Family | B | 54.3 | 55.3 | 1.0 | 54.9 | 56.0 | 1.1 |
| R262(K613) | Single-Family | B | 65.8 | 66.8 | 1.0 | 66.7 | 67.8 | 1.1 |
| R263(K498) | Single-Family | B | 51.0 | 51.9 | 0.9 | 51.6 | 52.6 | 1.0 |
| R264(K1781) | Office | E | 68.3 | 69.4 | 1.1 | 68.9 | 69.9 | 1.0 |
| R265(K503) | Single-Family | B | 49.4 | 50.3 | 0.9 | 50.0 | 51.0 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R266(K610) | Single-Family | B | 66.1 | 67.2 | 1.1 | 67.0 | 68.1 | 1.1 |
| R267(K608) | Single-Family | B | 67.2 | 68.2 | 1.0 | 68.1 | 69.2 | 1.1 |
| R268(K559) | Commercial | E | 65.1 | 66.0 | 0.9 | 65.6 | 66.5 | 0.9 |
| R269(K607) | Single-Family | B | 68.2 | 69.2 | 1.0 | 69.1 | 70.2 | 1.1 |
| R270(K606 R-50) | Razed | B | 69.2 | 70.2 | 1.0 | 70.1 | 71.2 | 1.1 |
| R271(K515) | Single-Family | B | 55.3 | 56.3 | 1.0 | 56.3 | 57.3 | 1.0 |
| R272(K722) | Single-Family | B | 68.7 | 69.3 | 0.6 | 66.3 | 67.4 | 1.1 |
| R273(K729) | Multi-Family | B | 67.5 | 68.4 | 0.9 | 65.9 | 67.0 | 1.1 |
| R274(K1791) | Multi-Family | B | 62.1 | 63.1 | 1.0 | 62.7 | 63.8 | 1.1 |
| R275(K720) | Church | C | 64.3 | 65.3 | 1.0 | 64.5 | 65.6 | 1.1 |
| R276(K522) | Single-Family | B | 58.0 | 58.7 | 0.7 | 58.5 | 59.3 | 0.8 |
| R277(K680) | School | D | 70.9 | 71.9 | 1.0 | 71.2 | 72.2 | 1.0 |
| R278(K555) | Multi-Family | B | 62.2 | 62.7 | 0.5 | 62.5 | 63.2 | 0.7 |
| R279(K1796) | Single-Family | B | 62.2 | 63.2 | 1.0 | 62.7 | 63.8 | 1.1 |
| R280(K554) | Multi-Family | B | 60.9 | 61.4 | 0.5 | 61.3 | 61.9 | 0.6 |
| M-24(K655) | Single-Family | B | 72.4 | 73.4 | 1.0 | 72.8 | 73.9 | 1.1 |
| R281(K1802) | Single-Family | B | 61.6 | 62.6 | 1.0 | 62.2 | 63.2 | 1.0 |
| R282(K730) | Single-Family | B | 56.6 | 57.7 | 1.1 | 57.5 | 58.6 | 1.1 |
| R283(K735) | Single-Family | B | 55.8 | 56.8 | 1.0 | 56.6 | 57.7 | 1.1 |
| R284(K523) | Multi-Family | B | 58.4 | 58.8 | 0.4 | 58.7 | 59.1 | 0.4 |
| R285(K755) | Single-Family | B | 55.1 | 56.1 | 1.0 | 56.0 | 57.1 | 1.1 |
| R286(K549) | Multi-Family | B | 61.0 | 61.5 | 0.5 | 61.3 | 61.9 | 0.6 |
| R287(K645) | Single-Family | B | 72.0 | 73.0 | 1.0 | 72.3 | 73.3 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|-----------------------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R288(K715) | Church | C | 63.2 | 64.2 | 1.0 | 63.8 | 64.9 | 1.1 |
| R289(K1818) | Multi-Family | B | 63.9 | 64.9 | 1.0 | 64.4 | 65.5 | 1.1 |
| R290(K102) | Multi-Family | B | 59.6 | 60.3 | 0.7 | 60.1 | 60.9 | 0.8 |
| R291(K1785) | Single-Family | B | 61.3 | 62.3 | 1.0 | 61.9 | 63.0 | 1.1 |
| R292(K546) | Single-Family | B | 60.7 | 61.0 | 0.3 | 60.9 | 61.4 | 0.5 |
| R293(K699) | Single-Family | B | 64.8 | 65.8 | 1.0 | 65.5 | 66.6 | 1.1 |
| R294(K1805) | Multi-Family | B | 62.6 | 63.6 | 1.0 | 63.2 | 64.3 | 1.1 |
| R295(K791) | Single-Family | B | 57.8 | 58.8 | 1.0 | 58.5 | 59.6 | 1.1 |
| R296(K1837A) | Multi-Family | B | 64.9 | 66.0 | 1.1 | 65.4 | 66.5 | 1.1 |
| R297(K909) | Park/Playground/Picnic Area | C | 58.5 | 59.5 | 1.0 | 59.2 | 60.3 | 1.1 |
| R298(K784) | Single-Family | B | 57.9 | 59.0 | 1.1 | 58.7 | 59.8 | 1.1 |
| R299(K1792) | Single-Family | B | 56.5 | 57.5 | 1.0 | 57.1 | 58.2 | 1.1 |
| R300(K775) | Single-Family | B | 49.6 | 50.6 | 1.0 | 50.6 | 51.6 | 1.0 |
| R301(K782) | Single-Family | B | 54.2 | 55.2 | 1.0 | 55.1 | 56.2 | 1.1 |
| R302(K966) | Single-Family | B | 46.0 | 47.0 | 1.0 | 46.3 | 47.4 | 1.1 |
| R303(K687) | Single-Family | B | 70.7 | 71.7 | 1.0 | 71.4 | 72.5 | 1.1 |
| R304(K963) | Single-Family | B | 57.3 | 58.3 | 1.0 | 58.1 | 59.1 | 1.0 |
| R305(K1809) | Single-Family | B | 61.6 | 62.7 | 1.1 | 62.2 | 63.3 | 1.1 |
| R306(K1837) | Multi-Family | B | 65.5 | 66.6 | 1.1 | 66.1 | 67.1 | 1.0 |
| R307(K759) | Single-Family | B | 50.9 | 51.9 | 1.0 | 52.0 | 53.0 | 1.0 |
| R308(K682) | Single-Family | B | 72.0 | 73.1 | 1.1 | 72.8 | 73.9 | 1.1 |
| R309(K779) | Multi-Family | B | 60.4 | 61.4 | 1.0 | 61.1 | 62.2 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R310(K1855 R-49) | Single-Family | B | 68.3 | 69.3 | 1.0 | 68.8 | 69.8 | 1.0 |
| R311(K692) | Single-Family | B | 67.5 | 68.5 | 1.0 | 68.3 | 69.3 | 1.0 |
| R312(K950) | Single-Family | B | 57.6 | 58.6 | 1.0 | 58.4 | 59.4 | 1.0 |
| R313(K1815) | Single-Family | B | 61.2 | 62.3 | 1.1 | 61.8 | 62.9 | 1.1 |
| R314(K678) | Single-Family | B | 72.0 | 73.0 | 1.0 | 72.8 | 73.9 | 1.1 |
| R315(K942) | Single-Family | B | 58.0 | 59.0 | 1.0 | 58.8 | 59.9 | 1.1 |
| R316(K935) | Single-Family | B | 58.6 | 59.7 | 1.1 | 59.4 | 60.5 | 1.1 |
| R317(K923) | Single-Family | B | 58.6 | 59.6 | 1.0 | 59.3 | 60.4 | 1.1 |
| R318(K926) | Single-Family | B | 58.3 | 59.3 | 1.0 | 59.0 | 60.1 | 1.1 |
| R319(K737) | Single-Family | B | 63.1 | 64.2 | 1.1 | 64.0 | 65.0 | 1.0 |
| R320(K756) | Single-Family | B | 62.7 | 63.8 | 1.1 | 63.6 | 64.6 | 1.0 |
| R321(K916) | Single-Family | B | 58.9 | 59.9 | 1.0 | 59.6 | 60.7 | 1.1 |
| R322(K1774) | Single-Family | B | 59.1 | 60.2 | 1.1 | 59.7 | 60.8 | 1.1 |
| R323(K733) | Multi-Family | B | 60.2 | 61.2 | 1.0 | 61.2 | 62.3 | 1.1 |
| R324(K745) | Single-Family | B | 65.1 | 66.2 | 1.1 | 65.9 | 67.0 | 1.1 |
| R325(K1855) | Single-Family | B | 65.7 | 66.7 | 1.0 | 66.2 | 67.3 | 1.1 |
| R326(K915) | Single-Family | B | 59.9 | 60.9 | 1.0 | 60.6 | 61.7 | 1.1 |
| R327(K1826) | Single-Family | B | 59.2 | 60.3 | 1.1 | 59.7 | 60.8 | 1.1 |
| R328(K674) | Single-Family | B | 73.2 | 74.3 | 1.1 | 74.1 | 75.2 | 1.1 |
| R329(K736) | Single-Family | B | 68.5 | 69.5 | 1.0 | 69.1 | 70.2 | 1.1 |
| R330(K1862) | Multi-Family | B | 65.5 | 66.5 | 1.0 | 66.0 | 67.0 | 1.0 |
| R331(K717) | Single-Family | B | 66.8 | 67.8 | 1.0 | 67.5 | 68.5 | 1.0 |
| R332(K910) | Single-Family | B | 59.9 | 60.9 | 1.0 | 60.5 | 61.5 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R333(K1775) | Single-Family | B | 52.2 | 53.3 | 1.1 | 52.8 | 53.9 | 1.1 |
| R334(K1821) | Single-Family | B | 52.3 | 53.3 | 1.0 | 53.0 | 54.0 | 1.0 |
| R335(KV1880) | Vacant | B | 69.0 | 70.1 | 1.1 | 69.5 | 70.6 | 1.1 |
| R336(K1831) | Single-Family | B | 59.4 | 60.5 | 1.1 | 60.0 | 61.1 | 1.1 |
| R337(K587) | Single-Family | B | 60.1 | 61.1 | 1.0 | 60.6 | 61.7 | 1.1 |
| R338(K718) | Single-Family | B | 68.5 | 69.5 | 1.0 | 69.3 | 70.3 | 1.0 |
| R339(K583) | Single-Family | B | 59.5 | 60.6 | 1.1 | 60.2 | 61.3 | 1.1 |
| R340(K576) | Single-Family | B | 60.6 | 61.6 | 1.0 | 61.3 | 62.4 | 1.1 |
| R341(K568) | Single-Family | B | 62.7 | 63.8 | 1.1 | 63.4 | 64.5 | 1.1 |
| R342(K573) | Single-Family | B | 60.8 | 61.9 | 1.1 | 61.5 | 62.6 | 1.1 |
| R343(K785) | Multi-Family | B | 66.5 | 67.5 | 1.0 | 67.2 | 68.3 | 1.1 |
| R344(K1880) | Single-Family | B | 64.8 | 65.8 | 1.0 | 65.3 | 66.3 | 1.0 |
| R345(K857) | Single-Family | B | 62.0 | 63.0 | 1.0 | 62.7 | 63.8 | 1.1 |
| R346(K1840) | Multi-Family | B | 59.6 | 60.6 | 1.0 | 60.2 | 61.3 | 1.1 |
| R347(K1760) | Single-Family | B | 66.2 | 67.3 | 1.1 | 66.7 | 67.8 | 1.1 |
| R348(K1819) | Single-Family | B | 51.5 | 52.5 | 1.0 | 52.1 | 53.2 | 1.1 |
| R349(K714) | Multi-Family | B | 71.2 | 72.2 | 1.0 | 72.0 | 73.1 | 1.1 |
| R350(K1858) | Multi-Family | B | 57.3 | 58.4 | 1.1 | 58.0 | 59.1 | 1.1 |
| M-25(K707) | Single-Family | B | 71.1 | 72.1 | 1.0 | 72.0 | 73.0 | 1.0 |
| R351(K1886) | Single-Family | B | 67.6 | 68.7 | 1.1 | 68.3 | 69.4 | 1.1 |
| R352(K1869) | Multi-Family | B | 51.4 | 52.4 | 1.0 | 52.1 | 53.2 | 1.1 |
| R353(K1876) | Razed | B | 55.8 | 56.8 | 1.0 | 56.4 | 57.5 | 1.1 |
| R354(K1890) | Single-Family | B | 66.9 | 68.0 | 1.1 | 67.6 | 68.7 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R355(K783) | Single-Family | B | 67.5 | 68.6 | 1.1 | 68.3 | 69.4 | 1.1 |
| R356(K1851) | Single-Family | B | 55.0 | 56.1 | 1.1 | 55.5 | 56.6 | 1.1 |
| R357(K1900) | Commercial | E | 68.3 | 69.3 | 1.0 | 68.6 | 69.7 | 1.1 |
| R358(K1845) | Single-Family | B | 58.1 | 59.1 | 1.0 | 58.6 | 59.7 | 1.1 |
| R359(K1881) | Multi-Family | B | 61.1 | 62.2 | 1.1 | 61.6 | 62.7 | 1.1 |
| R360(KV1908) | Vacant | B | 65.3 | 66.4 | 1.1 | 65.8 | 66.9 | 1.1 |
| R361(K773) | Single-Family | B | 68.5 | 69.5 | 1.0 | 69.3 | 70.4 | 1.1 |
| R362(K769) | Single-Family | B | 68.9 | 69.9 | 1.0 | 69.7 | 70.8 | 1.1 |
| R363(K766) | Single-Family | B | 71.5 | 72.5 | 1.0 | 72.3 | 73.4 | 1.1 |
| R364(K1889) | Single-Family | B | 62.7 | 63.8 | 1.1 | 63.3 | 64.4 | 1.1 |
| R365(K1908) | Single-Family | B | 70.3 | 71.4 | 1.1 | 70.8 | 71.9 | 1.1 |
| R366(K1893) | Multi-Family | B | 62.4 | 63.4 | 1.0 | 62.9 | 64.0 | 1.1 |
| R367(K1917) | Multi-Family | B | 70.1 | 71.1 | 1.0 | 70.6 | 71.7 | 1.1 |
| R368(K1884) | Single-Family | B | 54.1 | 55.2 | 1.1 | 54.5 | 55.6 | 1.1 |
| R369(K1898) | Multi-Family | B | 60.0 | 61.0 | 1.0 | 60.5 | 61.6 | 1.1 |
| R370(K1923) | Multi-Family | B | 68.6 | 69.7 | 1.1 | 69.1 | 70.2 | 1.1 |
| R371(KV1923) | Vacant | B | 67.0 | 68.0 | 1.0 | 67.4 | 68.5 | 1.1 |
| R372(K7) | Single-Family | B | 60.2 | 61.3 | 1.1 | 60.8 | 61.9 | 1.1 |
| R373(K1936) | Multi-Family | B | 69.3 | 70.3 | 1.0 | 69.8 | 70.8 | 1.0 |
| R374(K1907) | Multi-Family | B | 56.2 | 57.3 | 1.1 | 56.6 | 57.7 | 1.1 |
| R375(K1924) | Razed | B | 53.1 | 54.2 | 1.1 | 53.6 | 54.7 | 1.1 |
| R376(K1939) | Single-Family | B | 69.0 | 70.1 | 1.1 | 69.5 | 70.6 | 1.1 |
| R377(K1929) | Razed | B | 54.3 | 55.4 | 1.1 | 54.8 | 55.9 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R378(K1945) | Multi-Family | B | 67.0 | 68.0 | 1.0 | 67.5 | 68.5 | 1.0 |
| R379(K1934) | Single-Family | B | 62.5 | 63.5 | 1.0 | 62.9 | 64.0 | 1.1 |
| R380(K1934 R-51) | Single-Family | B | 65.5 | 66.6 | 1.1 | 66.1 | 67.2 | 1.1 |
| R381(K696) | Single-Family | B | 65.1 | 66.2 | 1.1 | 65.7 | 66.8 | 1.1 |
| R382(K689) | Single-Family | B | 62.6 | 63.6 | 1.0 | 63.1 | 64.2 | 1.1 |
| R383(K691) | Single-Family | B | 62.4 | 63.4 | 1.0 | 62.9 | 64.0 | 1.1 |
| R384(K695) | Single-Family | B | 63.1 | 64.1 | 1.0 | 63.6 | 64.7 | 1.1 |
| M-26(K697) | Single-Family | B | 71.0 | 72.0 | 1.0 | 71.4 | 72.4 | 1.0 |
| R385(K694 R-52) | Single-Family | B | 66.4 | 67.1 | 0.7 | 67.0 | 67.8 | 0.8 |
| R386(K988) | Multi-Family | B | 48.3 | 49.3 | 1.0 | 49.0 | 50.1 | 1.1 |
| R387(K978) | Single-Family | B | 48.3 | 49.3 | 1.0 | 49.0 | 50.1 | 1.1 |
| R388(K997) | Multi-Family | B | 50.0 | 51.0 | 1.0 | 50.8 | 51.9 | 1.1 |
| R389(K987) | Single-Family | B | 56.0 | 57.0 | 1.0 | 56.8 | 57.9 | 1.1 |
| R390(K995) | Multi-Family | B | 55.2 | 56.2 | 1.0 | 56.1 | 57.1 | 1.0 |
| R391(K980) | Single-Family | B | 57.1 | 58.1 | 1.0 | 58.0 | 59.0 | 1.0 |
| R392(K1012) | Single-Family | B | 54.7 | 55.7 | 1.0 | 55.4 | 56.5 | 1.1 |
| R393(K811) | Single-Family | B | 56.4 | 57.5 | 1.1 | 57.2 | 58.2 | 1.0 |
| R394(K959) | Single-Family | B | 61.5 | 62.5 | 1.0 | 62.3 | 63.3 | 1.0 |
| R395(K971) | Single-Family | B | 59.9 | 60.9 | 1.0 | 60.7 | 61.8 | 1.1 |
| R396(KV811) | Vacant | B | 65.8 | 66.8 | 1.0 | 66.5 | 67.5 | 1.0 |
| R397(K802) | Multi-Family | B | 62.0 | 63.0 | 1.0 | 62.6 | 63.7 | 1.1 |
| R398(K804) | Single-Family | B | 60.1 | 61.2 | 1.1 | 60.7 | 61.8 | 1.1 |
| R399(K961) | Single-Family | B | 63.9 | 64.9 | 1.0 | 64.7 | 65.7 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|----------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R400(K949) | Single-Family | B | 66.8 | 67.9 | 1.1 | 67.6 | 68.7 | 1.1 |
| R401(K798) | Multi-Family | B | 62.0 | 63.0 | 1.0 | 62.6 | 63.7 | 1.1 |
| R402(K796) | Multi-Family | B | 62.2 | 63.3 | 1.1 | 62.9 | 64.0 | 1.1 |
| R403(K931) | Single-Family | B | 69.5 | 70.6 | 1.1 | 70.3 | 71.3 | 1.0 |
| R404(K1019) | Multi-Family | B | 61.2 | 62.3 | 1.1 | 61.9 | 63.0 | 1.1 |
| R405(K1016) | Multi-Family | B | 61.3 | 62.3 | 1.0 | 62.0 | 63.1 | 1.1 |
| R406(K928) | Single-Family | B | 70.6 | 71.6 | 1.0 | 71.3 | 72.4 | 1.1 |
| R407(K1013) | Multi-Family | B | 60.9 | 61.9 | 1.0 | 61.6 | 62.6 | 1.0 |
| R408(K834) | Multi-Family | B | 60.4 | 61.4 | 1.0 | 61.2 | 62.2 | 1.0 |
| R409(K1010) | Multi-Family | B | 62.1 | 63.1 | 1.0 | 62.8 | 63.8 | 1.0 |
| R410(K1009) | Multi-Family | B | 63.1 | 64.1 | 1.0 | 63.8 | 64.9 | 1.1 |
| R411(K989) | Single-Family | B | 66.3 | 67.3 | 1.0 | 67.0 | 68.1 | 1.1 |
| R412(K1272) | Restaurant/Bar | E | 59.4 | 60.3 | 0.9 | 60.0 | 60.9 | 0.9 |
| R413(K833) | Multi-Family | B | 61.2 | 62.2 | 1.0 | 62.0 | 63.0 | 1.0 |
| R414(K1005) | Single-Family | B | 68.7 | 69.7 | 1.0 | 69.4 | 70.4 | 1.0 |
| R415(K829) | Single-Family | B | 62.8 | 63.8 | 1.0 | 63.5 | 64.6 | 1.1 |
| R416(K1032) | Single-Family | B | 54.3 | 55.3 | 1.0 | 55.0 | 56.1 | 1.1 |
| R417(K999) | Single-Family | B | 72.2 | 73.2 | 1.0 | 72.9 | 74.0 | 1.1 |
| R418(K847) | Single-Family | B | 61.4 | 62.5 | 1.1 | 62.2 | 63.3 | 1.1 |
| R419(K828) | Single-Family | B | 63.3 | 64.3 | 1.0 | 64.1 | 65.1 | 1.0 |
| R420(K1038) | Single-Family | B | 54.0 | 55.0 | 1.0 | 54.7 | 55.8 | 1.1 |
| R421(K581) | Multi-Family | B | 70.2 | 71.2 | 1.0 | 70.6 | 71.7 | 1.1 |
| R422(K582) | Single-Family | B | 71.4 | 72.4 | 1.0 | 71.8 | 72.9 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R423(K584) | Single-Family | B | 73.0 | 74.0 | 1.0 | 73.5 | 74.5 | 1.0 |
| R424(K825) | Single-Family | B | 63.8 | 64.9 | 1.1 | 64.6 | 65.7 | 1.1 |
| R425(K575) | Single-Family | B | 69.3 | 70.3 | 1.0 | 69.8 | 70.8 | 1.0 |
| R426(K824) | Single-Family | B | 64.8 | 65.9 | 1.1 | 65.6 | 66.7 | 1.1 |
| R427(K821) | Single-Family | B | 65.1 | 66.1 | 1.0 | 65.8 | 66.9 | 1.1 |
| R428(K1048) | Single-Family | B | 56.0 | 57.0 | 1.0 | 56.7 | 57.7 | 1.0 |
| R429(K850) | Single-Family | B | 64.8 | 65.8 | 1.0 | 65.6 | 66.7 | 1.1 |
| R430(K574) | Single-Family | B | 68.2 | 69.2 | 1.0 | 68.6 | 69.7 | 1.1 |
| R431(K572) | Single-Family | B | 67.8 | 68.8 | 1.0 | 68.3 | 69.3 | 1.0 |
| R432(K1054) | Single-Family | B | 58.9 | 59.9 | 1.0 | 59.6 | 60.7 | 1.1 |
| R433(K1020) | Multi-Family | B | 65.2 | 66.2 | 1.0 | 66.0 | 67.1 | 1.1 |
| R434(K817) | Single-Family | B | 66.4 | 67.4 | 1.0 | 67.2 | 68.3 | 1.1 |
| R435(K864) | Single-Family | B | 61.4 | 62.5 | 1.1 | 62.2 | 63.3 | 1.1 |
| R436(K1026) | Single-Family | B | 65.9 | 66.9 | 1.0 | 66.7 | 67.7 | 1.0 |
| R437(K571) | Multi-Family | B | 67.0 | 68.0 | 1.0 | 67.5 | 68.5 | 1.0 |
| R438(K812) | Single-Family | B | 65.9 | 66.9 | 1.0 | 66.7 | 67.7 | 1.0 |
| R439(K954 R-53) | Razed | B | 73.2 | 74.2 | 1.0 | 73.7 | 74.7 | 1.0 |
| R440(K813) | Single-Family | B | 66.6 | 67.7 | 1.1 | 67.5 | 68.5 | 1.0 |
| R441(K1030) | Single-Family | B | 65.8 | 66.9 | 1.1 | 66.7 | 67.7 | 1.0 |
| R442(K569) | Single-Family | B | 66.3 | 67.3 | 1.0 | 66.8 | 67.9 | 1.1 |
| R443(K806) | Single-Family | B | 70.2 | 71.2 | 1.0 | 71.0 | 72.1 | 1.1 |
| R444(K814) | Single-Family | B | 69.9 | 70.9 | 1.0 | 70.7 | 71.8 | 1.1 |
| R445(K1035) | Multi-Family | B | 65.8 | 66.8 | 1.0 | 66.6 | 67.7 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|------------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R446(K803) | Single-Family | B | 70.5 | 71.5 | 1.0 | 71.3 | 72.4 | 1.1 |
| R447(K938) | Razed | B | 71.2 | 72.2 | 1.0 | 71.7 | 72.7 | 1.0 |
| R448(K799) | Single-Family | B | 70.9 | 71.9 | 1.0 | 71.7 | 72.8 | 1.1 |
| R449(K872) | Single-Family | B | 59.8 | 60.8 | 1.0 | 60.6 | 61.6 | 1.0 |
| R450(K566) | Single-Family | B | 66.3 | 67.3 | 1.0 | 66.9 | 67.9 | 1.0 |
| R451(KV903) | Vacant | B | 68.3 | 69.3 | 1.0 | 69.1 | 70.1 | 1.0 |
| R452(K941) | Multi-Family | B | 69.0 | 70.0 | 1.0 | 69.5 | 70.6 | 1.1 |
| R453(K797) | Single-Family | B | 72.2 | 73.2 | 1.0 | 73.1 | 74.1 | 1.0 |
| R454(K932) | Single-Family | B | 65.4 | 66.4 | 1.0 | 66.0 | 67.1 | 1.1 |
| R455(K1017) | Single-Family | B | 73.4 | 74.5 | 1.1 | 74.2 | 75.3 | 1.1 |
| R456(K1007) | Single-Family | B | 73.3 | 74.3 | 1.0 | 73.8 | 74.8 | 1.0 |
| R457(K860) | Single-Family | B | 65.9 | 66.9 | 1.0 | 66.5 | 67.5 | 1.0 |
| R458(K875) | Undeveloped Land | B | 57.7 | 58.7 | 1.0 | 58.5 | 59.5 | 1.0 |
| R459(K1043) | Multi-Family | B | 65.8 | 66.8 | 1.0 | 66.7 | 67.8 | 1.1 |
| R460(K1532) | Single-Family | B | 46.4 | 47.4 | 1.0 | 47.2 | 48.2 | 1.0 |
| R461(K1006) | Single-Family | B | 71.3 | 72.3 | 1.0 | 71.8 | 72.9 | 1.1 |
| R462(K1000) | Single-Family | B | 70.2 | 71.2 | 1.0 | 70.7 | 71.8 | 1.1 |
| R463(K1004) | Single-Family | B | 70.6 | 71.7 | 1.1 | 71.2 | 72.2 | 1.0 |
| R464(K996) | Single-Family | B | 69.4 | 70.4 | 1.0 | 69.9 | 71.0 | 1.1 |
| R465(K1502) | Multi-Family | B | 39.6 | 40.6 | 1.0 | 40.5 | 41.5 | 1.0 |
| R466(K1050) | Multi-Family | B | 66.0 | 67.0 | 1.0 | 66.9 | 67.9 | 1.0 |
| R467(K929) | Single-Family | B | 64.3 | 65.3 | 1.0 | 65.1 | 66.1 | 1.0 |
| R468(K1545) | Multi-Family | B | 48.0 | 49.0 | 1.0 | 48.9 | 49.9 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R469(KV91) | Vacant | B | 56.3 | 57.3 | 1.0 | 56.9 | 58.0 | 1.1 |
| R470(K859) | Single-Family | B | 65.5 | 66.5 | 1.0 | 66.0 | 67.1 | 1.1 |
| R471(K994) | Single-Family | B | 68.9 | 69.9 | 1.0 | 69.5 | 70.5 | 1.0 |
| R472(KV903) | Vacant | B | 68.7 | 69.7 | 1.0 | 69.4 | 70.5 | 1.1 |
| R473(K1506) | Multi-Family | B | 47.2 | 48.2 | 1.0 | 48.1 | 49.1 | 1.0 |
| R474(KV91) | Vacant | B | 57.3 | 58.3 | 1.0 | 57.9 | 59.0 | 1.1 |
| R475(K925) | Single-Family | B | 63.3 | 64.3 | 1.0 | 64.1 | 65.1 | 1.0 |
| M-36(K1573) | School | D | 70.4 | 71.4 | 1.0 | 71.2 | 72.2 | 1.0 |
| R476(K1520) | Multi-Family | B | 47.5 | 48.5 | 1.0 | 48.4 | 49.4 | 1.0 |
| R477(K1560) | Multi-Family | B | 48.1 | 49.0 | 0.9 | 49.0 | 50.0 | 1.0 |
| M-27(K1007) | Single-Family | B | 73.9 | 74.9 | 1.0 | 74.3 | 75.4 | 1.1 |
| R478(K856) | Single-Family | B | 65.2 | 66.2 | 1.0 | 65.8 | 66.8 | 1.0 |
| R480(K861) | Multi-Family | B | 66.5 | 67.5 | 1.0 | 67.4 | 68.4 | 1.0 |
| R481(K1509) | Multi-Family | B | 53.1 | 54.1 | 1.0 | 53.9 | 54.9 | 1.0 |
| R482(K792) | Single-Family | B | 65.0 | 66.0 | 1.0 | 65.5 | 66.6 | 1.1 |
| R483(K1179) | Single-Family | B | 50.2 | 51.2 | 1.0 | 50.8 | 51.9 | 1.1 |
| R484(K1981) | Razed | C | 41.7 | 42.7 | 1.0 | 42.6 | 43.6 | 1.0 |
| R485(KV1061) | Vacant | B | 68.9 | 69.9 | 1.0 | 69.7 | 70.7 | 1.0 |
| R486(K1191) | Multi-Family | B | 46.5 | 47.5 | 1.0 | 47.4 | 48.4 | 1.0 |
| R487(K1533) | Multi-Family | B | 53.0 | 54.0 | 1.0 | 53.9 | 54.9 | 1.0 |
| R488(K863) | Single-Family | B | 67.0 | 68.0 | 1.0 | 67.8 | 68.9 | 1.1 |
| R489(K924) | Single-Family | B | 62.6 | 63.6 | 1.0 | 63.3 | 64.4 | 1.1 |
| R490(K1171) | Single-Family | B | 44.9 | 45.9 | 1.0 | 45.6 | 46.6 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R491(K1187) | Single-Family | B | 34.5 | 35.5 | 1.0 | 35.2 | 36.3 | 1.1 |
| R492(K1180) | Single-Family | B | 44.1 | 45.1 | 1.0 | 45.0 | 46.0 | 1.0 |
| R493(K1559) | Multi-Family | B | 51.7 | 52.7 | 1.0 | 52.5 | 53.5 | 1.0 |
| R494(K1568) | Multi-Family | B | 52.3 | 53.3 | 1.0 | 53.3 | 54.3 | 1.0 |
| R495(K1615) | Single-Family | B | 73.9 | 74.9 | 1.0 | 74.5 | 75.5 | 1.0 |
| R496(K2006) | Single-Family | B | 64.0 | 64.9 | 0.9 | 64.2 | 65.2 | 1.0 |
| M-38(K1609) | Single-Family | B | 72.6 | 73.6 | 1.0 | 73.2 | 74.2 | 1.0 |
| R497(K790) | Single-Family | B | 64.4 | 65.4 | 1.0 | 64.9 | 66.0 | 1.1 |
| R498(K869) | Multi-Family | B | 67.0 | 68.0 | 1.0 | 67.9 | 68.9 | 1.0 |
| R499(K1172) | Single-Family | B | 43.7 | 44.7 | 1.0 | 44.5 | 45.5 | 1.0 |
| R500(K1620) | Single-Family | B | 73.0 | 74.0 | 1.0 | 73.6 | 74.6 | 1.0 |
| R501(K2004) | Single-Family | B | 65.6 | 66.6 | 1.0 | 66.0 | 67.0 | 1.0 |
| R502(K2005) | Single-Family | B | 65.2 | 66.2 | 1.0 | 65.5 | 66.5 | 1.0 |
| R503(K1622) | Single-Family | B | 72.8 | 73.8 | 1.0 | 73.3 | 74.3 | 1.0 |
| R504(K1630) | Single-Family | B | 71.9 | 72.9 | 1.0 | 72.4 | 73.4 | 1.0 |
| R505(K1674) | Single-Family | B | 66.6 | 67.6 | 1.0 | 66.9 | 68.0 | 1.1 |
| M-31(K1979) | Multi-Family | B | 68.6 | 69.6 | 1.0 | 68.7 | 69.7 | 1.0 |
| R506(K927) | Single-Family | B | 63.6 | 64.6 | 1.0 | 64.4 | 65.4 | 1.0 |
| R507(K1564) | Multi-Family | B | 61.6 | 62.5 | 0.9 | 62.2 | 63.2 | 1.0 |
| R508(K1627) | Single-Family | B | 72.2 | 73.2 | 1.0 | 72.7 | 73.7 | 1.0 |
| R509(K1573) | School | C | 68.3 | 69.3 | 1.0 | 69.0 | 70.0 | 1.0 |
| R510(K1670 R-61) | Multi-Family | B | 67.7 | 68.7 | 1.0 | 68.1 | 69.1 | 1.0 |
| R511(K789) | Single-Family | B | 64.1 | 65.0 | 0.9 | 64.6 | 65.6 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R512(K1642) | Single-Family | B | 70.4 | 71.4 | 1.0 | 70.9 | 71.9 | 1.0 |
| R513(K899) | Single-Family | B | 60.2 | 61.2 | 1.0 | 61.1 | 62.2 | 1.1 |
| R514(K1174) | Single-Family | B | 46.3 | 47.3 | 1.0 | 47.1 | 48.1 | 1.0 |
| R515(K1569) | Multi-Family | B | 63.6 | 64.6 | 1.0 | 64.3 | 65.2 | 0.9 |
| R516(K1638) | Single-Family | B | 70.4 | 71.4 | 1.0 | 70.9 | 71.9 | 1.0 |
| R517(K1652) | Single-Family | B | 68.1 | 69.1 | 1.0 | 68.6 | 69.6 | 1.0 |
| R518(K1665) | Single-Family | B | 68.2 | 69.2 | 1.0 | 68.6 | 69.6 | 1.0 |
| R519(K2012) | Multi-Family | B | 57.1 | 58.0 | 0.9 | 57.0 | 58.0 | 1.0 |
| R520(K2014) | Multi-Family | B | 59.0 | 59.9 | 0.9 | 59.0 | 59.9 | 0.9 |
| R521(KV1061) | Vacant | B | 69.4 | 70.4 | 1.0 | 70.2 | 71.2 | 1.0 |
| M-35(K1503) | Multi-Family | B | 69.9 | 70.9 | 1.0 | 70.7 | 71.7 | 1.0 |
| R522(K922) | Single-Family | B | 62.5 | 63.5 | 1.0 | 63.3 | 64.4 | 1.1 |
| R523(K1578) | Multi-Family | B | 58.3 | 59.3 | 1.0 | 59.1 | 60.1 | 1.0 |
| R524(K881) | Single-Family | B | 63.4 | 64.4 | 1.0 | 64.2 | 65.2 | 1.0 |
| R525(K1570) | Multi-Family | B | 69.1 | 70.1 | 1.0 | 69.7 | 70.6 | 0.9 |
| R526(K2009) | Multi-Family | B | 56.8 | 57.7 | 0.9 | 56.8 | 57.8 | 1.0 |
| R527(K2011) | Multi-Family | B | 56.5 | 57.4 | 0.9 | 56.5 | 57.5 | 1.0 |
| M-30(K1176) | Single-Family | B | 65.6 | 66.6 | 1.0 | 66.0 | 67.0 | 1.0 |
| R528(K903) | Single-Family | B | 59.9 | 60.9 | 1.0 | 60.9 | 61.9 | 1.0 |
| R529(K921) | Single-Family | B | 62.1 | 63.1 | 1.0 | 62.9 | 64.0 | 1.1 |
| R530(K1181) | Single-Family | B | 51.7 | 52.7 | 1.0 | 52.6 | 53.5 | 0.9 |
| R531(K1621) | Single-Family | B | 68.4 | 69.4 | 1.0 | 68.9 | 69.9 | 1.0 |
| R532(K2008) | Multi-Family | B | 56.3 | 57.2 | 0.9 | 56.3 | 57.3 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| M-37(K1616) | Single-Family | B | 67.2 | 68.3 | 1.1 | 67.6 | 68.6 | 1.0 |
| R533(K2007) | Multi-Family | B | 57.9 | 58.9 | 1.0 | 58.1 | 59.1 | 1.0 |
| R534(K879) | Single-Family | B | 68.7 | 69.7 | 1.0 | 69.5 | 70.5 | 1.0 |
| R535(K1705) | Multi-Family | B | 57.6 | 58.5 | 0.9 | 57.8 | 58.8 | 1.0 |
| R536(K2024) | Multi-Family | B | 60.7 | 61.5 | 0.8 | 61.0 | 61.7 | 0.7 |
| R537(K85) | Single-Family | B | 65.4 | 66.4 | 1.0 | 66.4 | 67.4 | 1.0 |
| R538(K1602) | Single-Family | B | 68.5 | 69.4 | 0.9 | 69.3 | 70.3 | 1.0 |
| R539(K1611) | Single-Family | B | 62.9 | 63.9 | 1.0 | 64.0 | 65.0 | 1.0 |
| R540(K1624) | Single-Family | B | 66.8 | 67.8 | 1.0 | 67.3 | 68.3 | 1.0 |
| M-28(K879) | Single-Family | B | 73.9 | 74.9 | 1.0 | 74.7 | 75.8 | 1.1 |
| R541(K1629) | Single-Family | B | 64.7 | 65.7 | 1.0 | 65.3 | 66.3 | 1.0 |
| R542(K1632) | Single-Family | B | 62.7 | 63.7 | 1.0 | 63.2 | 64.2 | 1.0 |
| R543(K886) | Multi-Family | B | 66.6 | 67.6 | 1.0 | 67.5 | 68.5 | 1.0 |
| R544(K917) | Multi-Family | B | 61.4 | 62.4 | 1.0 | 62.3 | 63.4 | 1.1 |
| R545(K1608) | Single-Family | B | 71.1 | 72.1 | 1.0 | 72.0 | 72.9 | 0.9 |
| R546(K1613) | Single-Family | B | 60.4 | 61.3 | 0.9 | 61.4 | 62.4 | 1.0 |
| R547(K1637) | Single-Family | B | 61.1 | 62.2 | 1.1 | 61.6 | 62.6 | 1.0 |
| R548(K1699) | Multi-Family | B | 57.7 | 58.7 | 1.0 | 58.0 | 59.0 | 1.0 |
| R549(KV1077) | Vacant | B | 69.7 | 70.7 | 1.0 | 70.5 | 71.5 | 1.0 |
| R550(K1695) | Multi-Family | B | 58.9 | 59.9 | 1.0 | 59.2 | 60.2 | 1.0 |
| R551(K2019) | Single-Family | B | 54.0 | 54.9 | 0.9 | 54.3 | 55.2 | 0.9 |
| R552(K2023) | Single-Family | B | 55.6 | 56.4 | 0.8 | 55.9 | 56.8 | 0.9 |
| R553(K2031) | Multi-Family | B | 58.9 | 59.6 | 0.7 | 59.2 | 60.0 | 0.8 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R554(K1677) | Single-Family | B | 59.6 | 60.6 | 1.0 | 60.0 | 61.0 | 1.0 |
| R555(K1687) | Multi-Family | B | 59.3 | 60.3 | 1.0 | 59.7 | 60.7 | 1.0 |
| R556(K2018) | Single-Family | B | 52.5 | 53.5 | 1.0 | 52.8 | 53.8 | 1.0 |
| R557(K2037) | Multi-Family | B | 66.6 | 67.1 | 0.5 | 67.9 | 68.5 | 0.6 |
| R558(K1626) | Single-Family | B | 57.7 | 58.7 | 1.0 | 58.7 | 59.7 | 1.0 |
| R559(K1648) | Single-Family | B | 60.1 | 61.1 | 1.0 | 60.5 | 61.5 | 1.0 |
| R560(K1668) | Single-Family | B | 59.7 | 60.7 | 1.0 | 60.2 | 61.2 | 1.0 |
| R561(K1672) | Single-Family | B | 60.0 | 61.0 | 1.0 | 60.4 | 61.4 | 1.0 |
| R562(K2013) | Single-Family | B | 52.0 | 52.9 | 0.9 | 52.0 | 53.0 | 1.0 |
| R563(K2015) | Single-Family | B | 52.0 | 52.9 | 0.9 | 52.2 | 53.2 | 1.0 |
| R564(K918) | Multi-Family | B | 60.5 | 61.5 | 1.0 | 61.4 | 62.5 | 1.1 |
| R565(K1713) | Single-Family | B | 52.2 | 53.1 | 0.9 | 52.4 | 53.4 | 1.0 |
| R566(K2038) | Single-Family | B | 62.8 | 63.4 | 0.6 | 63.1 | 63.7 | 0.6 |
| R567(K1552) | Single-Family | B | 62.1 | 63.1 | 1.0 | 62.5 | 63.5 | 1.0 |
| R568(K1561) | Single-Family | B | 61.7 | 62.7 | 1.0 | 62.0 | 63.0 | 1.0 |
| R569(K1712) | Single-Family | B | 52.4 | 53.4 | 1.0 | 52.7 | 53.7 | 1.0 |
| R570(K2036) | Multi-Family | B | 58.8 | 59.6 | 0.8 | 59.3 | 60.2 | 0.9 |
| R571(K1547 R-58) | Single-Family | B | 62.4 | 63.4 | 1.0 | 62.8 | 63.7 | 0.9 |
| R572(K1635) | Single-Family | B | 55.8 | 56.8 | 1.0 | 56.2 | 57.2 | 1.0 |
| R573(K1617) | Single-Family | B | 67.0 | 68.0 | 1.0 | 67.9 | 68.8 | 0.9 |
| R574(K891) | Single-Family | B | 70.2 | 71.2 | 1.0 | 71.0 | 72.1 | 1.1 |
| R575(K1540) | Single-Family | B | 62.2 | 63.2 | 1.0 | 62.6 | 63.6 | 1.0 |
| R576(K1597) | Multi-Family | B | 36.0 | 37.0 | 1.0 | 36.8 | 37.8 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R577(K1623) | Single-Family | B | 64.4 | 65.4 | 1.0 | 65.2 | 66.2 | 1.0 |
| R578(K1634) | Single-Family | B | 59.0 | 60.0 | 1.0 | 59.4 | 60.4 | 1.0 |
| R579(K1710) | Single-Family | B | 53.0 | 53.9 | 0.9 | 53.3 | 54.3 | 1.0 |
| R580(K2034) | Multi-Family | B | 53.9 | 54.8 | 0.9 | 54.5 | 55.4 | 0.9 |
| M-33(K1581) | Single-Family | B | 73.0 | 74.0 | 1.0 | 73.3 | 74.2 | 0.9 |
| R581(K1708) | Single-Family | B | 53.0 | 54.0 | 1.0 | 53.3 | 54.3 | 1.0 |
| M-34(K1604) | Multi-Family | B | 51.7 | 52.7 | 1.0 | 52.3 | 53.3 | 1.0 |
| R582(K1061) | Single-Family | B | 60.7 | 61.7 | 1.0 | 61.8 | 62.9 | 1.1 |
| R583(K1628) | Single-Family | B | 62.2 | 63.2 | 1.0 | 63.0 | 64.0 | 1.0 |
| R584(K1641) | Single-Family | B | 56.6 | 57.6 | 1.0 | 57.0 | 58.0 | 1.0 |
| R585(K1706) | Single-Family | B | 53.6 | 54.5 | 0.9 | 53.9 | 54.9 | 1.0 |
| R586(K2030) | Multi-Family | B | 52.1 | 53.1 | 1.0 | 52.6 | 53.5 | 0.9 |
| R587(K1704) | Single-Family | B | 54.3 | 55.3 | 1.0 | 54.7 | 55.7 | 1.0 |
| R588(KV1089) | Vacant | B | 70.2 | 71.2 | 1.0 | 71.0 | 72.0 | 1.0 |
| R589(K1631) | Single-Family | B | 60.8 | 61.8 | 1.0 | 61.6 | 62.6 | 1.0 |
| R590(K1651) | Single-Family | B | 56.6 | 57.6 | 1.0 | 57.1 | 58.1 | 1.0 |
| R591(K1666) | Single-Family | B | 56.2 | 57.2 | 1.0 | 56.6 | 57.6 | 1.0 |
| R592(K1682) | Single-Family | B | 56.6 | 57.6 | 1.0 | 57.0 | 58.0 | 1.0 |
| R593(K1691) | Single-Family | B | 55.6 | 56.6 | 1.0 | 56.0 | 57.0 | 1.0 |
| R594(K1698) | Single-Family | B | 54.4 | 55.3 | 0.9 | 54.7 | 55.7 | 1.0 |
| R595(K1581) | Single-Family | B | 71.6 | 72.6 | 1.0 | 72.0 | 72.9 | 0.9 |
| R596(K1591) | Multi-Family | B | 36.4 | 37.3 | 0.9 | 37.4 | 38.4 | 1.0 |
| R597(K1636) | Single-Family | B | 60.6 | 61.6 | 1.0 | 61.3 | 62.3 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R598(K1694) | Single-Family | B | 54.6 | 55.6 | 1.0 | 55.0 | 56.0 | 1.0 |
| R599(K2021) | Multi-Family | B | 52.4 | 53.4 | 1.0 | 52.8 | 53.7 | 0.9 |
| R600(K2027) | Multi-Family | B | 52.2 | 53.1 | 0.9 | 52.5 | 53.5 | 1.0 |
| R601(K1590) | Multi-Family | B | 39.7 | 40.6 | 0.9 | 40.7 | 41.7 | 1.0 |
| R602(K849) | Single-Family | B | 72.3 | 73.3 | 1.0 | 72.9 | 73.9 | 1.0 |
| R603(K904) | Single-Family | B | 71.1 | 72.1 | 1.0 | 72.0 | 73.0 | 1.0 |
| R604(K1643) | Single-Family | B | 61.2 | 62.2 | 1.0 | 61.8 | 62.8 | 1.0 |
| R605(K1718) | Multi-Family | B | 52.5 | 53.4 | 0.9 | 52.8 | 53.8 | 1.0 |
| R606(K1610) | Multi-Family | B | 55.7 | 56.7 | 1.0 | 56.2 | 57.2 | 1.0 |
| R607(K1717) | Multi-Family | B | 52.6 | 53.6 | 1.0 | 53.0 | 53.9 | 0.9 |
| R608(K819) | Single-Family | B | 69.4 | 70.4 | 1.0 | 70.1 | 71.2 | 1.1 |
| R609(K848) | Single-Family | B | 70.9 | 71.9 | 1.0 | 71.5 | 72.5 | 1.0 |
| R610(K1594) | Recreation | C | 41.9 | 42.9 | 1.0 | 42.8 | 43.8 | 1.0 |
| R611(K1612) | Multi-Family | B | 50.8 | 51.8 | 1.0 | 51.6 | 52.6 | 1.0 |
| R612(K1716) | Single-Family | B | 53.0 | 54.0 | 1.0 | 53.4 | 54.3 | 0.9 |
| R613(K1583) | Single-Family | B | 59.2 | 60.2 | 1.0 | 59.5 | 60.5 | 1.0 |
| R614(K1585) | Single-Family | B | 58.8 | 59.8 | 1.0 | 59.2 | 60.1 | 0.9 |
| R615(K1600) | Multi-Family | B | 48.4 | 49.4 | 1.0 | 49.3 | 50.3 | 1.0 |
| R616(K1601) | Multi-Family | B | 42.7 | 43.7 | 1.0 | 43.6 | 44.6 | 1.0 |
| R617(K841) | Single-Family | B | 69.9 | 70.9 | 1.0 | 70.5 | 71.5 | 1.0 |
| R618(K1558) | Single-Family | B | 62.1 | 63.1 | 1.0 | 62.3 | 63.3 | 1.0 |
| R619(K1567) | Single-Family | B | 61.3 | 62.3 | 1.0 | 61.6 | 62.5 | 0.9 |
| R620(K1596) | Multi-Family | B | 49.2 | 50.2 | 1.0 | 50.1 | 51.1 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R621(K1572 R-59) | Single-Family | B | 61.3 | 62.2 | 0.9 | 61.5 | 62.5 | 1.0 |
| R622(K907) | Single-Family | B | 71.4 | 72.4 | 1.0 | 72.3 | 73.3 | 1.0 |
| R623(K1554) | Single-Family | B | 62.2 | 63.2 | 1.0 | 62.4 | 63.4 | 1.0 |
| R624(K1565) | Single-Family | B | 61.7 | 62.7 | 1.0 | 61.9 | 62.9 | 1.0 |
| R625(K1575) | Single-Family | B | 60.9 | 61.9 | 1.0 | 61.2 | 62.2 | 1.0 |
| R626(K1563) | Single-Family | B | 61.8 | 62.8 | 1.0 | 62.0 | 63.0 | 1.0 |
| R627(K1577) | Single-Family | B | 61.0 | 62.0 | 1.0 | 61.3 | 62.2 | 0.9 |
| R628(K1077) | Single-Family | B | 65.0 | 66.0 | 1.0 | 66.1 | 67.1 | 1.0 |
| R629(K1550) | Single-Family | B | 62.2 | 63.2 | 1.0 | 62.4 | 63.4 | 1.0 |
| R630(K1058) | Single-Family | B | 71.9 | 72.9 | 1.0 | 72.8 | 73.9 | 1.1 |
| R631(K1544) | Single-Family | B | 62.1 | 63.1 | 1.0 | 62.3 | 63.3 | 1.0 |
| R632(K1079) | Single-Family | B | 66.8 | 67.8 | 1.0 | 67.8 | 68.9 | 1.1 |
| R633(K843) | Single-Family | B | 67.9 | 68.9 | 1.0 | 68.5 | 69.6 | 1.1 |
| R634(K1538) | Single-Family | B | 61.9 | 62.9 | 1.0 | 62.2 | 63.1 | 0.9 |
| R635(K1062) | Single-Family | B | 72.5 | 73.5 | 1.0 | 73.4 | 74.4 | 1.0 |
| R636(K840) | Single-Family | B | 67.3 | 68.3 | 1.0 | 68.0 | 69.1 | 1.1 |
| R637(K1617 R-60) | Single-Family | B | 66.0 | 66.9 | 0.9 | 66.7 | 67.6 | 0.9 |
| R638(K1065) | Single-Family | B | 73.2 | 74.2 | 1.0 | 74.1 | 75.2 | 1.1 |
| R639(K1089) | Single-Family | B | 70.4 | 71.4 | 1.0 | 71.3 | 72.4 | 1.1 |
| R640(K1069) | Single-Family | B | 73.7 | 74.7 | 1.0 | 74.6 | 75.7 | 1.1 |
| R641(K1530) | Single-Family | B | 61.5 | 62.5 | 1.0 | 61.8 | 62.8 | 1.0 |
| R642(K1075 R-54) | Single-Family | B | 74.4 | 75.4 | 1.0 | 75.3 | 76.3 | 1.0 |
| R643(K1041) | Single-Family | B | 71.9 | 72.9 | 1.0 | 72.5 | 73.6 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R644(K1036) | Single-Family | B | 70.8 | 71.8 | 1.0 | 71.4 | 72.5 | 1.1 |
| R645(K1033) | Multi-Family | B | 65.7 | 66.7 | 1.0 | 66.4 | 67.5 | 1.1 |
| R646(K1053) | Single-Family | B | 64.6 | 65.6 | 1.0 | 65.4 | 66.4 | 1.0 |
| R647(K1037) | Multi-Family | B | 67.6 | 68.6 | 1.0 | 68.3 | 69.4 | 1.1 |
| R648(K1522) | Single-Family | B | 60.9 | 61.9 | 1.0 | 61.3 | 62.2 | 0.9 |
| R649(K1027) | Multi-Family | B | 64.8 | 65.8 | 1.0 | 65.6 | 66.6 | 1.0 |
| R650(K1116) | Vacant | B | 67.7 | 68.7 | 1.0 | 68.3 | 69.4 | 1.1 |
| R651(K594) | Single-Family | B | 66.9 | 67.9 | 1.0 | 67.6 | 68.6 | 1.0 |
| R652(K1023) | Single-Family | B | 60.6 | 61.6 | 1.0 | 61.4 | 62.4 | 1.0 |
| R653(K884) | Single-Family | B | 66.8 | 67.8 | 1.0 | 67.4 | 68.5 | 1.1 |
| R654(K1039) | Single-Family | B | 63.3 | 64.3 | 1.0 | 64.2 | 65.3 | 1.1 |
| R655(K1121 R-56) | Single-Family | B | 66.3 | 67.3 | 1.0 | 67.1 | 68.1 | 1.0 |
| R656(K882) | Single-Family | B | 59.6 | 60.6 | 1.0 | 60.2 | 61.2 | 1.0 |
| R657(K1123) | Single-Family | B | 65.7 | 66.7 | 1.0 | 66.5 | 67.5 | 1.0 |
| R658(K883) | Single-Family | B | 62.4 | 63.4 | 1.0 | 63.2 | 64.2 | 1.0 |
| M-29(K1148) | Single-Family | B | 65.0 | 66.0 | 1.0 | 65.8 | 66.8 | 1.0 |
| R659(K876) | Single-Family | B | 62.5 | 63.5 | 1.0 | 63.3 | 64.4 | 1.1 |
| R660(K1167) | Church | D | 69.0 | 70.0 | 1.0 | 70.0 | 71.0 | 1.0 |
| R661(K1766) | Single-Family | B | 59.6 | 60.6 | 1.0 | 60.1 | 61.1 | 1.0 |
| R662(K1168) | Multi-Family | B | 68.4 | 69.3 | 0.9 | 69.4 | 70.4 | 1.0 |
| R663(K598) | Single-Family | B | 61.4 | 62.4 | 1.0 | 62.3 | 63.3 | 1.0 |
| M-32(K1983) | Multi-Family | B | 59.0 | 60.0 | 1.0 | 59.7 | 60.7 | 1.0 |
| R664(K1125) | Single-Family | B | 64.6 | 65.6 | 1.0 | 65.5 | 66.5 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R665(K1989) | Single-Family | B | 59.3 | 60.3 | 1.0 | 59.7 | 60.7 | 1.0 |
| R666(K878) | Single-Family | B | 62.0 | 63.0 | 1.0 | 62.8 | 63.9 | 1.1 |
| R667(K1983) | Multi-Family | B | 58.5 | 59.4 | 0.9 | 59.2 | 60.2 | 1.0 |
| R668(K595) | Single-Family | B | 63.0 | 64.0 | 1.0 | 63.6 | 64.6 | 1.0 |
| R669(K877) | Single-Family | B | 61.8 | 62.8 | 1.0 | 62.6 | 63.6 | 1.0 |
| R670(K1129) | Single-Family | B | 64.1 | 65.1 | 1.0 | 65.0 | 66.0 | 1.0 |
| R671(K1183 R-57) | Multi-Family | B | 61.6 | 62.6 | 1.0 | 62.5 | 63.5 | 1.0 |
| R672(K600) | Single-Family | B | 60.6 | 61.6 | 1.0 | 61.4 | 62.4 | 1.0 |
| R673(K874) | Single-Family | B | 61.6 | 62.6 | 1.0 | 62.4 | 63.4 | 1.0 |
| R674(K1132) | Single-Family | B | 63.7 | 64.7 | 1.0 | 64.7 | 65.7 | 1.0 |
| R675(K873) | Single-Family | B | 58.0 | 59.0 | 1.0 | 58.8 | 59.9 | 1.1 |
| R676(K1117) | Single-Family | B | 60.3 | 61.3 | 1.0 | 61.1 | 62.1 | 1.0 |
| R677(K1150) | Single-Family | B | 60.2 | 61.2 | 1.0 | 60.9 | 62.0 | 1.1 |
| R678(K1136) | Single-Family | B | 63.1 | 64.1 | 1.0 | 64.1 | 65.1 | 1.0 |
| R679(K1152) | Single-Family | B | 60.0 | 61.1 | 1.1 | 60.8 | 61.8 | 1.0 |
| R680(K898) | Multi-Family | B | 63.1 | 64.1 | 1.0 | 63.9 | 65.0 | 1.1 |
| R681(K1139) | Single-Family | B | 62.0 | 63.0 | 1.0 | 63.1 | 64.1 | 1.0 |
| R682(K104) | Multi-Family | B | 63.5 | 64.5 | 1.0 | 64.3 | 65.4 | 1.1 |
| R683(K1120) | Single-Family | B | 58.8 | 59.8 | 1.0 | 59.7 | 60.7 | 1.0 |
| R684(K905) | Multi-Family | B | 63.6 | 64.6 | 1.0 | 64.5 | 65.5 | 1.0 |
| R685(K1153) | Single-Family | B | 60.3 | 61.3 | 1.0 | 61.1 | 62.1 | 1.0 |
| R686(K1142) | Single-Family | B | 60.5 | 61.5 | 1.0 | 61.6 | 62.6 | 1.0 |
| R687(K908) | Single-Family | B | 63.8 | 64.8 | 1.0 | 64.6 | 65.7 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|------------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R688(K13) | Single-Family | B | 59.7 | 60.7 | 1.0 | 60.5 | 61.5 | 1.0 |
| R689(K1059) | Single-Family | B | 63.2 | 64.2 | 1.0 | 64.0 | 65.1 | 1.1 |
| R690(K1124) | Single-Family | B | 56.5 | 57.5 | 1.0 | 57.5 | 58.5 | 1.0 |
| R691(K1063) | Single-Family | B | 63.1 | 64.1 | 1.0 | 63.9 | 64.9 | 1.0 |
| R692(K1145) | Single-Family | B | 59.4 | 60.4 | 1.0 | 60.6 | 61.6 | 1.0 |
| R693(K1130) | Single-Family | B | 55.6 | 56.6 | 1.0 | 56.6 | 57.6 | 1.0 |
| R694(K1080) | Undeveloped Land | B | 62.7 | 63.7 | 1.0 | 63.6 | 64.6 | 1.0 |
| R695(K1119) | Single-Family | B | 56.3 | 57.3 | 1.0 | 56.9 | 58.0 | 1.1 |
| R696(K1085) | Undeveloped Land | B | 62.8 | 63.8 | 1.0 | 63.7 | 64.8 | 1.1 |
| R697(K1090) | Undeveloped Land | B | 62.9 | 63.9 | 1.0 | 63.8 | 64.8 | 1.0 |
| R698(K1135) | Single-Family | B | 54.3 | 55.3 | 1.0 | 55.3 | 56.3 | 1.0 |
| R699(K1095) | Multi-Family | B | 62.8 | 63.8 | 1.0 | 63.7 | 64.7 | 1.0 |
| R700(K1101 R-55) | Multi-Family | B | 62.2 | 63.2 | 1.0 | 63.1 | 64.1 | 1.0 |
| R701(K1138) | Single-Family | B | 52.3 | 53.3 | 1.0 | 53.4 | 54.5 | 1.1 |
| R702(K47) | Single-Family | B | 61.0 | 62.0 | 1.0 | 62.2 | 63.2 | 1.0 |
| R703(K1251) | Single-Family | B | 60.5 | 61.5 | 1.0 | 61.7 | 62.8 | 1.1 |
| R704(K46) | Single-Family | B | 61.3 | 62.3 | 1.0 | 62.5 | 63.6 | 1.1 |
| R705(K48) | Single-Family | B | 61.2 | 62.2 | 1.0 | 62.4 | 63.5 | 1.1 |
| R706(K1254) | Single-Family | B | 60.9 | 61.9 | 1.0 | 62.1 | 63.1 | 1.0 |
| R707(K44) | Single-Family | B | 62.0 | 63.0 | 1.0 | 63.2 | 64.2 | 1.0 |
| R708(K43) | Single-Family | B | 61.8 | 62.8 | 1.0 | 63.0 | 64.0 | 1.0 |
| R709(K1471) | Multi-Family | B | 62.3 | 63.3 | 1.0 | 63.4 | 64.4 | 1.0 |
| R710(K64) | Single-Family | B | 61.3 | 62.3 | 1.0 | 62.3 | 63.4 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|------------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R711(K1474) | Single-Family | B | 63.7 | 64.8 | 1.1 | 64.8 | 65.8 | 1.0 |
| R712(K1304) | Single-Family | B | 66.3 | 67.3 | 1.0 | 67.0 | 68.0 | 1.0 |
| R713(K1267) | School | D | 71.3 | 72.3 | 1.0 | 72.6 | 73.6 | 1.0 |
| R714(K1493) | Multi-Family | B | 68.4 | 69.4 | 1.0 | 69.5 | 70.5 | 1.0 |
| R715(K1481) | Multi-Family | B | 66.2 | 67.2 | 1.0 | 67.2 | 68.3 | 1.1 |
| R716(K1302) | Single-Family | B | 66.3 | 67.3 | 1.0 | 66.9 | 67.9 | 1.0 |
| R717(K1266) | Office | E | 71.9 | 72.9 | 1.0 | 73.1 | 74.2 | 1.1 |
| R718(K1295) | Single-Family | B | 64.6 | 65.6 | 1.0 | 65.2 | 66.2 | 1.0 |
| R719(K1291) | Single-Family | B | 61.3 | 62.3 | 1.0 | 61.9 | 62.9 | 1.0 |
| R720(K1262) | Office | E | 70.8 | 71.8 | 1.0 | 72.0 | 73.1 | 1.1 |
| R721(K1381) | Restaurant/Bar | E | 58.7 | 59.7 | 1.0 | 59.6 | 60.6 | 1.0 |
| R722(K1404) | Office | E | 58.4 | 59.4 | 1.0 | 59.3 | 60.3 | 1.0 |
| R723(K1405) | Medical Facility | C | 58.4 | 59.5 | 1.1 | 59.3 | 60.4 | 1.1 |
| R724(K1415) | Single-Family | B | 53.9 | 54.9 | 1.0 | 54.7 | 55.7 | 1.0 |
| R725(K1264) | Single-Family | B | 72.2 | 73.3 | 1.1 | 73.4 | 74.5 | 1.1 |
| R726(K1487) | Single-Family | B | 68.1 | 69.1 | 1.0 | 69.1 | 70.2 | 1.1 |
| R727(K2068) | Office | E | 70.6 | 71.6 | 1.0 | 71.8 | 72.8 | 1.0 |
| R728(K1419) | Single-Family | B | 58.3 | 59.3 | 1.0 | 59.2 | 60.3 | 1.1 |
| R729(K1422) | Single-Family | B | 58.1 | 59.1 | 1.0 | 59.0 | 60.1 | 1.1 |
| R730(K1311) | Office | E | 70.9 | 71.9 | 1.0 | 71.4 | 72.4 | 1.0 |
| R731(K1429) | Single-Family | B | 58.2 | 59.2 | 1.0 | 59.1 | 60.2 | 1.1 |
| R732(K65) | Single-Family | B | 58.8 | 59.8 | 1.0 | 59.7 | 60.8 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|------------------|----------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R734(K1201) | Multi-Family | B | 72.0 | 73.0 | 1.0 | 73.1 | 74.1 | 1.0 |
| R735(K1339) | Hotel | E | 66.9 | 67.9 | 1.0 | 67.9 | 69.0 | 1.1 |
| R736(K2067) | Office | E | 73.9 | 74.9 | 1.0 | 75.1 | 76.2 | 1.1 |
| M-43(K1349) | Hotel | E | 76.8 | 77.8 | 1.0 | 77.8 | 78.8 | 1.0 |
| R737(K1323) | Office | E | 74.6 | 75.6 | 1.0 | 75.6 | 76.7 | 1.1 |
| R738(K1412) | Single-Family | B | 60.7 | 61.7 | 1.0 | 61.5 | 62.6 | 1.1 |
| R739(K1424) | Single-Family | B | 58.9 | 59.9 | 1.0 | 59.7 | 60.8 | 1.1 |
| R740(K1454) | Single-Family | B | 60.6 | 61.6 | 1.0 | 61.5 | 62.6 | 1.1 |
| R741(K1307 R-62) | Office | E | 68.7 | 69.7 | 1.0 | 69.0 | 70.0 | 1.0 |
| R742(K1450) | Office | E | 58.7 | 59.7 | 1.0 | 59.6 | 60.7 | 1.1 |
| R743(K1479) | Single-Family | B | 55.3 | 56.4 | 1.1 | 56.3 | 57.4 | 1.1 |
| R744(K1497) | Single-Family | B | 70.2 | 71.2 | 1.0 | 71.3 | 72.3 | 1.0 |
| R745(K1476) | Single-Family | B | 55.0 | 56.0 | 1.0 | 55.8 | 56.9 | 1.1 |
| R746(K1458) | Single-Family | B | 63.2 | 64.2 | 1.0 | 64.1 | 65.2 | 1.1 |
| R747(K1482) | Single-Family | B | 53.7 | 54.7 | 1.0 | 54.6 | 55.7 | 1.1 |
| R748(K2091) | Single-Family | B | 76.7 | 77.8 | 1.1 | 77.7 | 78.8 | 1.1 |
| R749(K1767) | Single-Family | B | 76.2 | 77.3 | 1.1 | 77.2 | 78.3 | 1.1 |
| R750(K1435) | Single-Family | B | 60.2 | 61.3 | 1.1 | 61.1 | 62.2 | 1.1 |
| R751(K1427) | Single-Family | B | 61.9 | 62.9 | 1.0 | 62.8 | 63.8 | 1.0 |
| R752(K1438) | Single-Family | B | 60.8 | 61.8 | 1.0 | 61.7 | 62.7 | 1.0 |
| R753(K1472) | Restaurant/Bar | E | 62.6 | 63.7 | 1.1 | 63.6 | 64.7 | 1.1 |
| R754(K1478) | Single-Family | B | 55.9 | 57.0 | 1.1 | 56.7 | 57.8 | 1.1 |
| R755(K1488) | Single-Family | B | 69.9 | 70.9 | 1.0 | 70.9 | 72.0 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R756(K2109B) | Single-Family | B | 75.9 | 77.0 | 1.1 | 76.9 | 78.0 | 1.1 |
| R757(K2105) | Single-Family | B | 73.4 | 74.4 | 1.0 | 74.4 | 75.5 | 1.1 |
| R758(K1448) | Single-Family | B | 62.0 | 63.1 | 1.1 | 62.9 | 64.0 | 1.1 |
| R760(K1433) | Single-Family | B | 62.3 | 63.3 | 1.0 | 63.2 | 64.2 | 1.0 |
| R761(K1483) | Single-Family | B | 56.9 | 58.0 | 1.1 | 57.7 | 58.7 | 1.0 |
| R762(K1455) | Single-Family | B | 63.7 | 64.7 | 1.0 | 64.7 | 65.7 | 1.0 |
| R763(K1485) | Single-Family | B | 58.2 | 59.3 | 1.1 | 59.0 | 60.1 | 1.1 |
| R764(KV2092) | Vacant | B | 73.3 | 74.3 | 1.0 | 74.4 | 75.4 | 1.0 |
| R765(K1459) | Single-Family | B | 63.6 | 64.6 | 1.0 | 64.5 | 65.5 | 1.0 |
| R766(K2085) | Single-Family | B | 74.6 | 75.7 | 1.1 | 75.6 | 76.7 | 1.1 |
| R767(K1491) | Single-Family | B | 54.3 | 55.4 | 1.1 | 55.2 | 56.3 | 1.1 |
| R768(K1437) | Single-Family | B | 62.1 | 63.1 | 1.0 | 63.0 | 64.1 | 1.1 |
| R769(K2119) | Single-Family | B | 71.3 | 72.4 | 1.1 | 72.4 | 73.5 | 1.1 |
| R770(K1489) | Single-Family | B | 59.4 | 60.5 | 1.1 | 60.2 | 61.3 | 1.1 |
| R771(K2101) | Single-Family | B | 68.1 | 69.2 | 1.1 | 69.2 | 70.3 | 1.1 |
| R772(K2109E) | Single-Family | B | 72.3 | 73.3 | 1.0 | 73.4 | 74.4 | 1.0 |
| R773(KV1469) | Vacant | B | 63.0 | 64.1 | 1.1 | 64.0 | 65.0 | 1.0 |
| R774(K1346) | Single-Family | B | 70.8 | 71.8 | 1.0 | 71.4 | 72.3 | 0.9 |
| R775(K1496) | Single-Family | B | 55.4 | 56.5 | 1.1 | 56.2 | 57.4 | 1.2 |
| R776(K2087) | Single-Family | B | 71.7 | 72.7 | 1.0 | 72.7 | 73.7 | 1.0 |
| R777(K2106) | Single-Family | B | 69.7 | 70.7 | 1.0 | 70.9 | 71.9 | 1.0 |
| M-41(K1318) | Single-Family | B | 70.6 | 71.7 | 1.1 | 71.1 | 72.1 | 1.0 |
| R778(K2104) | Single-Family | B | 70.6 | 71.6 | 1.0 | 71.7 | 72.8 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|------------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R779(K1195) | Single-Family | B | 69.5 | 70.5 | 1.0 | 70.6 | 71.6 | 1.0 |
| R780(K1383) | Single-Family | B | 71.6 | 72.6 | 1.0 | 72.1 | 73.1 | 1.0 |
| R781(K1456) | Single-Family | B | 63.0 | 64.1 | 1.1 | 64.0 | 65.0 | 1.0 |
| R782(K1495) | Medical Facility | C | 61.9 | 62.9 | 1.0 | 62.8 | 63.8 | 1.0 |
| R783(K1722C) | Single-Family | B | 69.7 | 70.8 | 1.1 | 70.9 | 71.9 | 1.0 |
| R784(K1769) | Single-Family | B | 68.8 | 69.9 | 1.1 | 69.9 | 70.9 | 1.0 |
| R785(K2083) | Single-Family | B | 76.1 | 77.2 | 1.1 | 77.1 | 78.1 | 1.0 |
| M-44(K75) | Multi-Family | B | 71.2 | 72.2 | 1.0 | 71.8 | 72.8 | 1.0 |
| M-44a(K75) | Multi-Family | B | 72.8 | 73.9 | 1.1 | 73.4 | 74.4 | 1.0 |
| M-46(K1469) | Single-Family | B | 65.5 | 66.5 | 1.0 | 66.5 | 67.5 | 1.0 |
| R786(K1194) | Multi-Family | B | 58.7 | 59.8 | 1.1 | 59.5 | 60.6 | 1.1 |
| R787(K2122) | Single-Family | B | 68.2 | 69.2 | 1.0 | 69.3 | 70.4 | 1.1 |
| R788(K1722B) | Single-Family | B | 69.0 | 70.1 | 1.1 | 70.2 | 71.2 | 1.0 |
| M-40(K1315) | Single-Family | B | 62.1 | 63.1 | 1.0 | 62.7 | 63.7 | 1.0 |
| M-42(K1348) | Single-Family | B | 64.3 | 65.3 | 1.0 | 65.0 | 65.9 | 0.9 |
| R789(K1319) | Single-Family | B | 64.3 | 65.3 | 1.0 | 64.9 | 65.9 | 1.0 |
| R790(K1360) | Single-Family | B | 71.2 | 72.2 | 1.0 | 71.9 | 72.9 | 1.0 |
| R791(K1365) | Single-Family | B | 69.5 | 70.6 | 1.1 | 70.1 | 71.1 | 1.0 |
| R792(K1421) | Single-Family | B | 74.5 | 75.5 | 1.0 | 75.3 | 76.3 | 1.0 |
| R793(KV2025) | Vacant | B | 62.2 | 63.2 | 1.0 | 62.7 | 63.7 | 1.0 |
| R794(KV1318) | Vacant | B | 66.4 | 67.4 | 1.0 | 67.2 | 68.2 | 1.0 |
| R795(K74) | Multi-Family | B | 69.3 | 70.3 | 1.0 | 69.9 | 70.8 | 0.9 |
| R796(K1341) | Single-Family | B | 71.1 | 72.1 | 1.0 | 71.7 | 72.7 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R797(K2124) | Single-Family | B | 68.2 | 69.2 | 1.0 | 69.3 | 70.4 | 1.1 |
| R798(K1326) | Single-Family | B | 62.3 | 63.3 | 1.0 | 62.9 | 63.9 | 1.0 |
| R799(K1391) | Single-Family | B | 68.0 | 69.0 | 1.0 | 68.6 | 69.6 | 1.0 |
| R800(K2086) | Single-Family | B | 72.7 | 73.7 | 1.0 | 73.7 | 74.7 | 1.0 |
| R801(K1205) | Single-Family | B | 67.2 | 68.2 | 1.0 | 68.2 | 69.2 | 1.0 |
| R802(K1331) | Single-Family | B | 68.8 | 69.8 | 1.0 | 69.4 | 70.4 | 1.0 |
| R803(K2017) | Single-Family | B | 64.6 | 65.5 | 0.9 | 65.0 | 66.0 | 1.0 |
| R804(K2025) | Single-Family | B | 63.5 | 64.5 | 1.0 | 64.0 | 65.0 | 1.0 |
| R805(K78) | Single-Family | B | 70.1 | 71.1 | 1.0 | 70.7 | 71.7 | 1.0 |
| R806(K1322) | Single-Family | B | 64.2 | 65.2 | 1.0 | 64.7 | 65.7 | 1.0 |
| R807(K1336) | Single-Family | B | 69.1 | 70.1 | 1.0 | 69.7 | 70.7 | 1.0 |
| R808(K2109) | Single-Family | B | 63.9 | 64.9 | 1.0 | 65.1 | 66.1 | 1.0 |
| R809(K71) | Multi-Family | B | 66.1 | 67.1 | 1.0 | 66.7 | 67.7 | 1.0 |
| R810(K2020) | Single-Family | B | 63.3 | 64.1 | 0.8 | 63.9 | 64.7 | 0.8 |
| R811(K2095) | Single-Family | B | 67.1 | 68.1 | 1.0 | 68.1 | 69.1 | 1.0 |
| R812(K1386) | Single-Family | B | 63.5 | 64.5 | 1.0 | 64.0 | 65.0 | 1.0 |
| R813(K2114) | Single-Family | B | 65.9 | 66.9 | 1.0 | 67.0 | 68.1 | 1.1 |
| R814(K2125) | Single-Family | B | 65.7 | 66.8 | 1.1 | 66.9 | 67.9 | 1.0 |
| M-48(K37) | Single-Family | B | 60.3 | 61.4 | 1.1 | 61.3 | 62.4 | 1.1 |
| R815(K73) | Multi-Family | B | 63.9 | 65.0 | 1.1 | 64.4 | 65.4 | 1.0 |
| R816(K1372) | Single-Family | B | 61.3 | 62.3 | 1.0 | 61.9 | 62.9 | 1.0 |
| R817(K1395) | Single-Family | B | 67.8 | 68.8 | 1.0 | 68.4 | 69.4 | 1.0 |
| R818(K2029) | Multi-Family | B | 52.1 | 53.0 | 0.9 | 52.5 | 53.3 | 0.8 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R819(K2088) | Single-Family | B | 72.7 | 73.8 | 1.1 | 73.7 | 74.7 | 1.0 |
| R820(K2138) | Single-Family | B | 66.2 | 67.2 | 1.0 | 67.4 | 68.4 | 1.0 |
| R821(K1722A) | Single-Family | B | 62.8 | 63.9 | 1.1 | 64.0 | 65.0 | 1.0 |
| R822(K1204) | Single-Family | B | 65.2 | 66.2 | 1.0 | 66.2 | 67.2 | 1.0 |
| R823(K1722) | Single-Family | B | 65.0 | 66.1 | 1.1 | 66.2 | 67.3 | 1.1 |
| R824(K2099) | Single-Family | B | 64.8 | 65.8 | 1.0 | 65.8 | 66.9 | 1.1 |
| R825(K2127) | Single-Family | B | 65.4 | 66.4 | 1.0 | 66.6 | 67.6 | 1.0 |
| R826(K2144) | Single-Family | B | 65.5 | 66.6 | 1.1 | 66.7 | 67.8 | 1.1 |
| R827(K2109C) | Single-Family | B | 65.0 | 66.1 | 1.1 | 66.2 | 67.3 | 1.1 |
| R828(K1720) | Single-Family | B | 65.2 | 66.3 | 1.1 | 66.4 | 67.5 | 1.1 |
| R829(K2026) | Single-Family | B | 63.6 | 64.2 | 0.6 | 64.5 | 65.1 | 0.6 |
| R830(K68) | Multi-Family | B | 65.9 | 66.9 | 1.0 | 66.6 | 67.6 | 1.0 |
| R831(K1328) | Single-Family | B | 63.8 | 64.9 | 1.1 | 64.4 | 65.4 | 1.0 |
| M-45(K1484) | Church | D | 72.7 | 73.7 | 1.0 | 73.5 | 74.5 | 1.0 |
| R832(K1362) | Single-Family | B | 59.5 | 60.5 | 1.0 | 60.2 | 61.1 | 0.9 |
| R833(K1370) | Single-Family | B | 60.7 | 61.7 | 1.0 | 61.3 | 62.3 | 1.0 |
| R834(K1402) | Single-Family | B | 66.4 | 67.4 | 1.0 | 67.0 | 68.0 | 1.0 |
| R835(K1446) | Single-Family | B | 68.3 | 69.3 | 1.0 | 69.0 | 70.0 | 1.0 |
| R836(K67) | Multi-Family | B | 65.6 | 66.6 | 1.0 | 66.3 | 67.3 | 1.0 |
| R837(K2033) | Single-Family | B | 52.5 | 53.3 | 0.8 | 52.9 | 53.8 | 0.9 |
| R838(K2109F) | Single-Family | B | 63.9 | 64.9 | 1.0 | 65.0 | 66.1 | 1.1 |
| R839(K1334) | Single-Family | B | 62.5 | 63.5 | 1.0 | 63.1 | 64.1 | 1.0 |
| R840(K2109A) | Single-Family | B | 60.8 | 61.8 | 1.0 | 61.9 | 63.0 | 1.1 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R841(K30) | Single-Family | B | 62.3 | 63.4 | 1.1 | 63.5 | 64.6 | 1.1 |
| R842(K1353) | Day Care | C | 57.5 | 58.5 | 1.0 | 58.1 | 59.1 | 1.0 |
| R843(K1406) | Single-Family | B | 63.1 | 64.1 | 1.0 | 63.7 | 64.7 | 1.0 |
| R844(K2032) | Single-Family | B | 63.5 | 64.1 | 0.6 | 64.5 | 65.2 | 0.7 |
| R845(K2103) | Single-Family | B | 63.3 | 64.3 | 1.0 | 64.4 | 65.4 | 1.0 |
| R846(K1396) | Single-Family | B | 60.3 | 61.3 | 1.0 | 61.0 | 61.9 | 0.9 |
| R847(K1403) | Single-Family | B | 61.9 | 62.9 | 1.0 | 62.6 | 63.6 | 1.0 |
| R848(K2035) | Multi-Family | B | 51.5 | 52.3 | 0.8 | 51.9 | 52.8 | 0.9 |
| R849(K1397) | Single-Family | B | 58.8 | 59.9 | 1.1 | 59.5 | 60.5 | 1.0 |
| R850(K1721) | Single-Family | B | 63.3 | 64.4 | 1.1 | 64.5 | 65.5 | 1.0 |
| R851(K2094) | Single-Family | B | 72.2 | 73.3 | 1.1 | 73.2 | 74.2 | 1.0 |
| R852(K2109D) | Single-Family | B | 60.1 | 61.2 | 1.1 | 61.3 | 62.4 | 1.1 |
| R853(K1217) | Hotel | E | 60.6 | 61.7 | 1.1 | 61.6 | 62.6 | 1.0 |
| R854(K1460) | Single-Family | B | 63.0 | 64.0 | 1.0 | 63.7 | 64.6 | 0.9 |
| R855(K1392) | Single-Family | B | 57.9 | 58.9 | 1.0 | 58.6 | 59.6 | 1.0 |
| R856(K1394) | Single-Family | B | 58.4 | 59.4 | 1.0 | 59.1 | 60.1 | 1.0 |
| R857(K1193) | Single-Family | B | 69.5 | 70.5 | 1.0 | 70.3 | 71.3 | 1.0 |
| R858(K1379) | Single-Family | B | 57.0 | 58.0 | 1.0 | 57.6 | 58.6 | 1.0 |
| R859(K1385) | Single-Family | B | 56.3 | 57.3 | 1.0 | 56.9 | 57.8 | 0.9 |
| R860(K2097) | Single-Family | B | 71.8 | 72.9 | 1.1 | 72.8 | 73.8 | 1.0 |
| R861(K1390) | Single-Family | B | 55.6 | 56.6 | 1.0 | 56.3 | 57.3 | 1.0 |
| R862(K1449) | Single-Family | B | 64.1 | 65.1 | 1.0 | 64.8 | 65.8 | 1.0 |
| M-39(K2037) | Multi-Family | B | 66.4 | 67.0 | 0.6 | 67.8 | 68.4 | 0.6 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R863(K2043) | Single-Family | B | 51.7 | 52.5 | 0.8 | 52.1 | 53.0 | 0.9 |
| R864(K2117) | Single-Family | B | 62.0 | 63.1 | 1.1 | 63.1 | 64.1 | 1.0 |
| R865(K1212) | Commercial | E | 69.0 | 70.1 | 1.1 | 70.1 | 71.2 | 1.1 |
| R866(K2066) | Hotel | E | 64.3 | 65.4 | 1.1 | 65.3 | 66.3 | 1.0 |
| R867(K1196) | Single-Family | B | 67.1 | 68.1 | 1.0 | 67.9 | 68.9 | 1.0 |
| R868(KV1492) | Vacant | B | 61.2 | 62.2 | 1.0 | 61.8 | 62.8 | 1.0 |
| R869(K1492) | Multi-Family | B | 62.2 | 63.2 | 1.0 | 63.0 | 64.0 | 1.0 |
| R870(K2102) | Single-Family | B | 70.8 | 71.9 | 1.1 | 71.8 | 72.8 | 1.0 |
| R871(K2120) | Single-Family | B | 61.1 | 62.1 | 1.0 | 62.1 | 63.1 | 1.0 |
| R872(KV2147) | Vacant | B | 60.7 | 61.7 | 1.0 | 61.8 | 62.9 | 1.1 |
| R873(K2107) | Single-Family | B | 70.5 | 71.6 | 1.1 | 71.4 | 72.5 | 1.1 |
| R874(K1473) | Single-Family | B | 51.9 | 52.9 | 1.0 | 52.6 | 53.6 | 1.0 |
| R875(K1203) | Single-Family | B | 65.0 | 66.0 | 1.0 | 65.8 | 66.8 | 1.0 |
| R876(K2128) | Single-Family | B | 60.7 | 61.7 | 1.0 | 61.7 | 62.7 | 1.0 |
| R877(K40) | Single-Family | B | 61.7 | 62.7 | 1.0 | 62.6 | 63.6 | 1.0 |
| R878(K2141) | School | D | 74.0 | 75.1 | 1.1 | 74.9 | 75.9 | 1.0 |
| R879(K2121) | Single-Family | B | 70.1 | 71.2 | 1.1 | 71.1 | 72.1 | 1.0 |
| R880(K1202) | Single-Family | B | 61.5 | 62.6 | 1.1 | 62.4 | 63.4 | 1.0 |
| R881(K2130) | Single-Family | B | 60.3 | 61.4 | 1.1 | 61.4 | 62.4 | 1.0 |
| R882(K1211) | Single-Family | B | 69.1 | 70.2 | 1.1 | 69.9 | 71.0 | 1.1 |
| R883(K1209) | Single-Family | B | 63.1 | 64.1 | 1.0 | 64.0 | 65.0 | 1.0 |
| R884(K1213) | Single-Family | B | 65.4 | 66.5 | 1.1 | 66.3 | 67.3 | 1.0 |
| R885(K2126) | Single-Family | B | 70.0 | 71.0 | 1.0 | 70.9 | 71.9 | 1.0 |

Table 5. Predicted Peak Hour 2035 Future No Build Noise Levels

| Receptor Number | Land Use | NAC Category | AM | | | PM | | |
|-----------------|---------------|--------------|--|--|--------------------|--|--|--------------------|
| | | | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) | 2010 Existing L _{eq} (1-hr) dB(A) | 2035 No Build L _{eq} (1-hr) dB(A) | Difference (dB(A)) |
| R886(K1206) | Single-Family | B | 61.7 | 62.8 | 1.1 | 62.6 | 63.6 | 1.0 |
| R887(K2113) | Single-Family | B | 59.9 | 61.0 | 1.1 | 61.0 | 62.0 | 1.0 |
| R888(K1218) | Single-Family | B | 63.7 | 64.8 | 1.1 | 64.6 | 65.6 | 1.0 |
| R889(K36) | Single-Family | B | 61.9 | 62.9 | 1.0 | 62.8 | 63.8 | 1.0 |
| R890(K2131) | Single-Family | B | 69.4 | 70.5 | 1.1 | 70.4 | 71.4 | 1.0 |
| R891(K2140) | Single-Family | B | 59.4 | 60.4 | 1.0 | 60.5 | 61.5 | 1.0 |
| R892(K1216) | Single-Family | B | 62.2 | 63.2 | 1.0 | 63.1 | 64.1 | 1.0 |
| R893(K1220) | Single-Family | B | 62.1 | 63.2 | 1.1 | 63.0 | 64.0 | 1.0 |
| R894(K2111) | Single-Family | B | 69.0 | 70.1 | 1.1 | 69.9 | 71.0 | 1.1 |
| R895(K1219) | Single-Family | B | 55.9 | 56.9 | 1.0 | 56.6 | 57.6 | 1.0 |
| R896(K2142) | Single-Family | B | 59.1 | 60.1 | 1.0 | 60.2 | 61.2 | 1.0 |
| R897(K2139) | Single-Family | B | 68.5 | 69.6 | 1.1 | 69.5 | 70.5 | 1.0 |
| R898(K1224) | Single-Family | B | 61.2 | 62.3 | 1.1 | 62.1 | 63.1 | 1.0 |
| R899(K1223) | Single-Family | B | 61.3 | 62.3 | 1.0 | 62.1 | 63.2 | 1.1 |
| R900(K1222) | Single-Family | B | 56.9 | 58.0 | 1.1 | 57.6 | 58.6 | 1.0 |
| R901(K1753) | Cemetery | C | 60.7 | 61.7 | 1.0 | 61.4 | 62.4 | 1.0 |
| M-47(K2141) | School | C | 60.0 | 61.0 | 1.0 | 60.9 | 61.9 | 1.0 |

Table 6. Summary of Impacts by FHWA Activity Category¹

| Alternative | NAC A | | NAC B | | NAC C | | NAC D | | NAC E | | NAC G | | Totals | |
|---------------|-------|----|----------|----------|---------|---------|--------|--------|--------|--------|-------|----|------------|------------|
| | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM |
| 2010 Existing | 0 | 0 | 326(436) | 370(483) | 29(376) | 31(386) | 6(303) | 6(303) | 9(6) | 9(6) | 0 | 0 | 370(1,121) | 416(1,178) |
| 2035 No Build | 0 | 0 | 386(501) | 429(554) | 31(386) | 33(399) | 6(303) | 6(303) | 9(6) | 10(6) | 0 | 0 | 432(1,196) | 478(1,262) |
| Alternative E | 0 | 0 | 453(580) | 491(631) | 24(356) | 25(356) | 6(303) | 6(303) | 9(21) | 15(26) | 0 | 0 | 492(1,260) | 537(1,316) |
| Alternative I | 0 | 0 | 479(615) | 512(659) | 33(400) | 34(400) | 6(303) | 6(303) | 10(21) | 13(23) | 0 | 0 | 528(1,339) | 565(1,385) |

¹ Numbers not in parenthesis represent the total number of receivers with impacts for each FHWA Activity Category evaluated for each alternative scenario. Numbers shown in parenthesis represent the total impacted number of equivalent receptors for each FHWA Activity Category for each scenario evaluated. The last two columns on the extreme right provide a summary of the total corridor wide impacts.

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| M-17(K161) | Single-Family | 61.5 | 61.8 | 62.8 | 1.3 | 1.0 | 61.7 | 62.0 | 63.4 | 1.7 | 1.4 | No |
| R1(K177) | Single-Family | 62.9 | 63.9 | 65.0 | 2.1 | 1.1 | 63.4 | 64.4 | 65.6 | 2.2 | 1.2 | Yes |
| R2(K163) | Single-Family | 62.0 | 62.7 | 64.4 | 2.4 | 1.7 | 62.2 | 62.9 | 65.0 | 2.8 | 2.1 | No |
| R3(K166) | Single-Family | 62.7 | 63.6 | 64.7 | 2.0 | 1.1 | 62.8 | 63.8 | 65.3 | 2.5 | 1.5 | No |
| R4(K173) | Single-Family | 62.9 | 63.9 | 65.6 | 2.7 | 1.7 | 63.1 | 64.0 | 66.2 | 3.1 | 2.2 | Yes |
| R5(K165) | Single-Family | 62.3 | 63.1 | 65.1 | 2.8 | 2.0 | 62.6 | 63.4 | 65.7 | 3.1 | 2.3 | Yes |
| R6(K169) | Single-Family | 62.7 | 63.6 | 64.7 | 2.0 | 1.1 | 62.8 | 63.8 | 65.3 | 2.5 | 1.5 | No |
| R7(K183) | Single-Family | 65.0 | 65.9 | 68.3 | 3.3 | 2.4 | 65.4 | 66.3 | 69.0 | 3.6 | 2.7 | Yes |
| R8(K176) | Single-Family | 63.1 | 64.0 | 66.1 | 3.0 | 2.1 | 63.2 | 64.2 | 66.8 | 3.6 | 2.6 | Yes |
| R9(K185) | Single-Family | 65.1 | 66.0 | 68.4 | 3.3 | 2.4 | 65.4 | 66.4 | 69.0 | 3.6 | 2.6 | Yes |
| R10(K192) | Single-Family | 64.0 | 64.9 | 67.2 | 3.2 | 2.3 | 64.3 | 65.3 | 67.8 | 3.5 | 2.5 | Yes |
| R11(K188) | Single-Family | 65.1 | 66.1 | 68.5 | 3.4 | 2.4 | 65.5 | 66.5 | 69.1 | 3.6 | 2.6 | Yes |
| R12(K195) | Single-Family | 65.1 | 66.1 | 68.5 | 3.4 | 2.4 | 65.5 | 66.5 | 69.1 | 3.6 | 2.6 | Yes |
| R13(K184 R-40) | Single-Family | 65.5 | 66.4 | 68.4 | 2.9 | 2.0 | 65.6 | 66.6 | 69.0 | 3.4 | 2.4 | Yes |
| R14(K199) | Single-Family | 65.5 | 66.4 | 68.8 | 3.3 | 2.4 | 65.8 | 66.8 | 69.4 | 3.6 | 2.6 | Yes |
| R15(K198) | Single-Family | 66.4 | 67.4 | 69.3 | 2.9 | 1.9 | 66.6 | 67.6 | 69.9 | 3.3 | 2.3 | Yes |
| M-18(K190) | Single-Family | 66.4 | 67.4 | 68.7 | 2.3 | 1.3 | 66.5 | 67.5 | 69.4 | 2.9 | 1.9 | Yes |
| R16(K205) | Single-Family | 67.0 | 68.0 | 70.7 | 3.7 | 2.7 | 67.4 | 68.4 | 71.4 | 4.0 | 3.0 | Yes |
| R17(K207) | Single-Family | 67.1 | 68.1 | 70.8 | 3.7 | 2.7 | 67.5 | 68.5 | 71.4 | 3.9 | 2.9 | Yes |
| R18(K201) | Single-Family | 67.0 | 68.0 | 70.0 | 3.0 | 2.0 | 67.2 | 68.2 | 70.6 | 3.4 | 2.4 | Yes |
| R19(K210) | Single-Family | 67.2 | 68.2 | 70.8 | 3.6 | 2.6 | 67.6 | 68.6 | 71.4 | 3.8 | 2.8 | Yes |
| R20(K211 R-42) | Single-Family | 67.3 | 68.3 | 70.9 | 3.6 | 2.6 | 67.7 | 68.7 | 71.5 | 3.8 | 2.8 | Yes |
| R21(K175 R-37) | Hotel | 66.1 | 67.0 | 69.5 | 3.4 | 2.5 | 66.3 | 67.3 | 70.2 | 3.9 | 2.9 | No |
| R22(K213) | Single-Family | 67.3 | 68.3 | 70.9 | 3.6 | 2.6 | 67.7 | 68.7 | 71.6 | 3.9 | 2.9 | Yes |
| R23(K214) | Single-Family | 67.3 | 68.3 | 70.9 | 3.6 | 2.6 | 67.8 | 68.8 | 71.6 | 3.8 | 2.8 | Yes |
| R24(K215) | Single-Family | 67.3 | 68.3 | 70.9 | 3.6 | 2.6 | 67.7 | 68.8 | 71.6 | 3.9 | 2.8 | Yes |
| R25(K220) | Single-Family | 66.1 | 67.1 | 70.2 | 4.1 | 3.1 | 66.7 | 67.7 | 70.9 | 4.2 | 3.2 | Yes |
| R26(KV220) | Vacant | 68.0 | 69.0 | 71.7 | 3.7 | 2.7 | 68.4 | 69.5 | 72.4 | 4.0 | 2.9 | Yes |
| R27(K225) | Restaurant/Bar | 63.6 | 64.5 | 70.2 | 6.6 | 5.7 | 64.4 | 65.4 | 71.1 | 6.7 | 5.7 | Yes |
| R28(K234) | Multi-Family | 66.2 | 67.2 | 69.9 | 3.7 | 2.7 | 66.6 | 67.6 | 70.6 | 4.0 | 3.0 | Yes |
| R29(KV235) | Vacant | 68.0 | 69.0 | 71.6 | 3.6 | 2.6 | 68.4 | 69.4 | 72.3 | 3.9 | 2.9 | Yes |
| R30(K235) | Single-Family | 63.6 | 64.6 | 67.5 | 3.9 | 2.9 | 63.9 | 64.9 | 68.2 | 4.3 | 3.3 | Yes |
| R31(K237) | Single-Family | 60.9 | 61.9 | 65.5 | 4.6 | 3.6 | 61.3 | 62.4 | 66.3 | 5.0 | 3.9 | Yes |
| R32(K27) | Single-Family | 63.9 | 64.9 | 68.9 | 5.0 | 4.0 | 64.3 | 65.4 | 69.5 | 5.2 | 4.1 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R33(K240) | Single-Family | 64.4 | 65.3 | 68.4 | 4.0 | 3.1 | 64.9 | 65.9 | 69.2 | 4.3 | 3.3 | Yes |
| R34(K248) | Single-Family | 63.6 | 64.6 | 68.7 | 5.1 | 4.1 | 64.2 | 65.2 | 69.6 | 5.4 | 4.4 | Yes |
| R35(K238A) | Multi-Family | 69.3 | 70.3 | 72.9 | 3.6 | 2.6 | 69.8 | 70.9 | 73.5 | 3.7 | 2.6 | Yes |
| R36(K252) | Single-Family | 64.8 | 65.8 | 69.8 | 5.0 | 4.0 | 65.2 | 66.3 | 70.6 | 5.4 | 4.3 | Yes |
| M-19(K25) | Multi-Family | 69.9 | 71.0 | 74.6 | 4.7 | 3.6 | 70.5 | 71.6 | 75.4 | 4.9 | 3.8 | Yes |
| R37(K238) | Multi-Family | 69.7 | 70.8 | 74.3 | 4.6 | 3.5 | 70.3 | 71.4 | 75.1 | 4.8 | 3.7 | Yes |
| R38(K257) | Single-Family | 64.2 | 65.2 | 69.9 | 5.7 | 4.7 | 64.6 | 65.7 | 70.7 | 6.1 | 5.0 | Yes |
| R39(K247) | Multi-Family | 69.9 | 70.9 | 74.7 | 4.8 | 3.8 | 70.4 | 71.4 | 75.6 | 5.2 | 4.2 | Yes |
| R40(K261) | Single-Family | 64.1 | 65.1 | 69.8 | 5.7 | 4.7 | 64.5 | 65.6 | 70.6 | 6.1 | 5.0 | Yes |
| R41(K265) | Single-Family | 64.8 | 65.8 | 70.0 | 5.2 | 4.2 | 65.2 | 66.2 | 70.9 | 5.7 | 4.7 | Yes |
| R42(K254) | Single-Family | 67.6 | 68.6 | 74.9 | 7.3 | 6.3 | 68.0 | 69.1 | 75.8 | 7.8 | 6.7 | Yes |
| R43(K269) | Single-Family | 64.8 | 65.9 | 70.2 | 5.4 | 4.3 | 65.2 | 66.3 | 71.0 | 5.8 | 4.7 | Yes |
| R44(K285) | Single-Family | 62.5 | 63.6 | 66.4 | 3.9 | 2.8 | 62.9 | 64.0 | 67.1 | 4.2 | 3.1 | Yes |
| R45(K256) | Single-Family | 65.4 | 66.4 | 75.1 | 9.7 | 8.7 | 65.9 | 66.9 | 76.0 | 10.1 | 9.1 | Yes |
| R46(KV256) | Vacant | 70.1 | 71.2 | 74.7 | 4.6 | 3.5 | 70.6 | 71.7 | 75.6 | 5.0 | 3.9 | Yes |
| R47(K275) | Single-Family | 65.7 | 66.7 | 70.2 | 4.5 | 3.5 | 66.1 | 67.2 | 71.0 | 4.9 | 3.8 | Yes |
| R48(K296) | Single-Family | 64.8 | 65.9 | 68.4 | 3.6 | 2.5 | 65.2 | 66.3 | 69.2 | 4.0 | 2.9 | Yes |
| R49(K266) | Single-Family | 65.1 | 66.1 | 70.8 | 5.7 | 4.7 | 65.5 | 66.6 | 71.7 | 6.2 | 5.1 | Yes |
| R50(KV266) | Vacant | 71.0 | 72.0 | 74.8 | 3.8 | 2.8 | 71.4 | 72.5 | 75.8 | 4.4 | 3.3 | Yes |
| R51(K276) | Single-Family | 68.9 | 69.9 | 75.2 | 6.3 | 5.3 | 69.3 | 70.4 | 76.2 | 6.9 | 5.8 | Yes |
| R52(K255) | Single-Family | 71.5 | 72.6 | N/A | N/A | N/A | 72.4 | 73.5 | N/A | N/A | N/A | N/A |
| R53(K287) | Single-Family | 70.3 | 71.3 | 75.5 | 5.2 | 4.2 | 70.7 | 71.8 | 76.5 | 5.8 | 4.7 | Yes |
| R54(K294) | Single-Family | 70.2 | 71.2 | 75.7 | 5.5 | 4.5 | 70.6 | 71.7 | 76.7 | 6.1 | 5.0 | Yes |
| R55(K112) | Single-Family | 72.4 | 73.5 | N/A | N/A | N/A | 73.1 | 74.2 | N/A | N/A | N/A | N/A |
| R56(K403) | Recreation | 66.7 | 67.8 | 69.9 | 3.2 | 2.1 | 67.1 | 68.2 | 71.0 | 3.9 | 2.8 | Yes |
| R57(K302) | Single-Family | 69.7 | 70.7 | 75.6 | 5.9 | 4.9 | 70.1 | 71.2 | 76.6 | 6.5 | 5.4 | Yes |
| R58(K267) | Single-Family | 72.6 | 73.8 | N/A | N/A | N/A | 73.3 | 74.4 | N/A | N/A | N/A | N/A |
| R59(K270) | Single-Family | 72.8 | 73.9 | N/A | N/A | N/A | 73.5 | 74.6 | N/A | N/A | N/A | N/A |
| R60(K307) | Single-Family | 69.5 | 70.6 | 75.4 | 5.9 | 4.8 | 69.9 | 71.0 | 76.5 | 6.6 | 5.5 | Yes |
| R61(K312) | Single-Family | 69.8 | 70.9 | 75.2 | 5.4 | 4.3 | 70.2 | 71.3 | 76.3 | 6.1 | 5.0 | Yes |
| R62(K280 R-45) | Single-Family | 72.9 | 74.0 | N/A | N/A | N/A | 73.6 | 74.7 | N/A | N/A | N/A | N/A |
| R63(KV312) | Vacant | 71.2 | 72.2 | 74.9 | 3.7 | 2.7 | 71.7 | 72.8 | 75.9 | 4.2 | 3.1 | Yes |
| R64(K10) | Single-Family | 73.1 | 74.2 | N/A | N/A | N/A | 73.7 | 74.8 | N/A | N/A | N/A | N/A |
| R65(KV304) | Vacant | 73.1 | 74.1 | N/A | N/A | N/A | 73.6 | 74.7 | N/A | N/A | N/A | N/A |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| M-21(K304) | Single-Family | 73.1 | 74.1 | N/A | N/A | N/A | 73.7 | 74.8 | N/A | N/A | N/A | N/A |
| R66(K111) | Razed | 73.0 | 74.1 | N/A | N/A | N/A | 73.6 | 74.7 | N/A | N/A | N/A | N/A |
| R67(KV111) | Vacant | 73.3 | 74.3 | N/A | N/A | N/A | 73.8 | 74.9 | N/A | N/A | N/A | N/A |
| R68(K179 R-38) | Hotel | 71.0 | 72.0 | 71.9 | 0.9 | -0.1 | 71.4 | 72.4 | 72.5 | 1.1 | 0.1 | Yes |
| R69(K407) | Multi-Family | 68.6 | 69.6 | 71.5 | 2.9 | 1.9 | 69.0 | 70.1 | 72.6 | 3.6 | 2.5 | Yes |
| R70(K229) | Hotel | 70.8 | 71.8 | 70.0 | -0.8 | -1.8 | 71.0 | 72.0 | 70.5 | -0.5 | -1.5 | No |
| R71(K440) | Single-Family | 67.6 | 68.6 | 71.0 | 3.4 | 2.4 | 68.1 | 69.2 | 71.9 | 3.8 | 2.7 | Yes |
| R72(K18) | Single-Family | 67.8 | 68.8 | 71.2 | 3.4 | 2.4 | 68.4 | 69.5 | 72.2 | 3.8 | 2.7 | Yes |
| R73(K194) | Restaurant/Bar | 62.5 | 63.3 | 63.1 | 0.6 | -0.2 | 62.8 | 63.6 | 63.3 | 0.5 | -0.3 | No |
| R74(K456) | Single-Family | 67.5 | 68.5 | 70.6 | 3.1 | 2.1 | 68.0 | 69.1 | 71.6 | 3.6 | 2.5 | Yes |
| R75(K229 R-43) | Commercial | 66.2 | 67.2 | 66.9 | 0.7 | -0.3 | 66.2 | 67.3 | 67.1 | 0.9 | -0.2 | No |
| R76(K418) | Multi-Family | 69.6 | 70.8 | 76.4 | 6.8 | 5.6 | 70.3 | 71.5 | 77.6 | 7.3 | 6.1 | Yes |
| R77(KV418) | Vacant | 72.5 | 73.5 | 75.6 | 3.1 | 2.1 | 73.2 | 74.3 | 76.7 | 3.5 | 2.4 | Yes |
| R78(K470) | Single-Family | 66.1 | 67.2 | 69.6 | 3.5 | 2.4 | 66.7 | 67.8 | 70.6 | 3.9 | 2.8 | Yes |
| R79(K127) | Hotel | 62.0 | 62.9 | 63.0 | 1.0 | 0.1 | 62.4 | 63.4 | 63.5 | 1.1 | 0.1 | No |
| R80(KV460) | Vacant | 71.9 | 72.9 | 75.2 | 3.3 | 2.3 | 72.5 | 73.6 | 76.3 | 3.8 | 2.7 | Yes |
| R81(K485) | Single-Family | 65.5 | 66.5 | 68.8 | 3.3 | 2.3 | 66.1 | 67.2 | 69.9 | 3.8 | 2.7 | Yes |
| R82(KV460) | Vacant | 71.4 | 72.4 | 75.0 | 3.6 | 2.6 | 72.0 | 73.1 | 76.1 | 4.1 | 3.0 | Yes |
| R83(K513) | Single-Family | 64.1 | 65.1 | 68.0 | 3.9 | 2.9 | 64.8 | 65.8 | 69.0 | 4.2 | 3.2 | Yes |
| R84(K437) | Single-Family | 74.6 | 75.6 | N/A | N/A | N/A | 75.3 | 76.4 | N/A | N/A | N/A | N/A |
| R85(K494) | Single-Family | 65.0 | 66.0 | 68.7 | 3.7 | 2.7 | 65.6 | 66.7 | 69.7 | 4.1 | 3.0 | Yes |
| R86(K460) | Single-Family | 65.1 | 66.4 | 74.7 | 9.6 | 8.3 | 66.3 | 67.6 | 75.9 | 9.6 | 8.3 | Yes |
| R87(K467) | Single-Family | 63.1 | 64.6 | 74.4 | 11.3 | 9.8 | 64.6 | 66.1 | 75.7 | 11.1 | 9.6 | Yes |
| R88(K474) | Single-Family | 60.9 | 62.6 | 74.3 | 13.4 | 11.7 | 62.5 | 64.1 | 75.5 | 13.0 | 11.4 | Yes |
| R89(K446) | Multi-Family | 74.8 | 75.8 | N/A | N/A | N/A | 75.6 | 76.7 | N/A | N/A | N/A | N/A |
| R90(K532) | Single-Family | 66.2 | 67.2 | 68.9 | 2.7 | 1.7 | 66.9 | 68.0 | 69.8 | 2.9 | 1.8 | Yes |
| R91(K488) | Single-Family | 60.3 | 62.1 | 73.9 | 13.6 | 11.8 | 62.4 | 64.2 | 75.1 | 12.7 | 10.9 | Yes |
| M-20(K309) | Single-Family | 68.3 | 69.3 | 69.2 | 0.9 | -0.1 | 68.6 | 69.6 | 69.8 | 1.2 | 0.2 | Yes |
| R92(K518) | Single-Family | 67.4 | 68.6 | 71.3 | 3.9 | 2.7 | 68.3 | 69.5 | 72.5 | 4.2 | 3.0 | Yes |
| R93(K455) | Single-Family | 74.6 | 75.7 | N/A | N/A | N/A | 75.4 | 76.5 | N/A | N/A | N/A | N/A |
| R94(K465) | Single-Family | 74.1 | 75.1 | N/A | N/A | N/A | 74.8 | 75.9 | N/A | N/A | N/A | N/A |
| R95(K314 R-46) | Single-Family | 70.5 | 71.5 | 72.2 | 1.7 | 0.7 | 71.0 | 72.1 | 72.7 | 1.7 | 0.6 | Yes |
| R96(K526) | Single-Family | 62.9 | 64.3 | 67.0 | 4.1 | 2.7 | 64.2 | 65.6 | 68.4 | 4.2 | 2.8 | Yes |
| R97(K115) | Recreation | 66.1 | 67.1 | 63.0 | -3.1 | -4.1 | 66.5 | 67.6 | 62.7 | -3.8 | -4.9 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R97a(K115) | Recreation | 71.0 | 72.0 | 73.2 | 2.2 | 1.2 | 71.5 | 72.6 | 73.6 | 2.1 | 1.0 | Yes |
| R97b(K115) | Recreation | 69.9 | 71.0 | 71.1 | 1.2 | 0.1 | 70.4 | 71.5 | 71.3 | 0.9 | -0.2 | Yes |
| R97c(K115) | Recreation | 67.1 | 68.1 | 70.3 | 3.2 | 2.2 | 67.6 | 68.7 | 70.5 | 2.9 | 1.8 | Yes |
| R97d(K115) | Recreation | 66.7 | 67.7 | 67.7 | 1.0 | 0.0 | 67.0 | 68.1 | 67.5 | 0.5 | -0.6 | Yes |
| R97e(K115) | Recreation | 65.5 | 66.5 | 67.5 | 2.0 | 1.0 | 65.9 | 66.9 | 67.3 | 1.4 | 0.4 | Yes |
| R97f(K115) | Recreation | 62.3 | 62.9 | 68.4 | 6.1 | 5.5 | 62.4 | 63.2 | 68.6 | 6.2 | 5.4 | Yes |
| R97g(K115) | Recreation | 70.9 | 71.7 | 71.2 | 0.3 | -0.5 | 71.0 | 71.9 | 71.6 | 0.6 | -0.3 | Yes |
| R97h(K115) | Recreation | 70.0 | 71.0 | 70.9 | 0.9 | -0.1 | 70.2 | 71.3 | 71.3 | 1.1 | 0.0 | Yes |
| R97i(K115) | Recreation | 68.6 | 69.6 | 68.5 | -0.1 | -1.1 | 68.7 | 69.8 | 69.0 | 0.3 | -0.8 | Yes |
| R97j(K115) | Recreation | 68.7 | 69.7 | 69.2 | 0.5 | -0.5 | 69.0 | 70.0 | 69.8 | 0.8 | -0.2 | Yes |
| R97k(K115) | Recreation | 65.4 | 66.4 | 68.6 | 3.2 | 2.2 | 65.8 | 66.8 | 69.0 | 3.2 | 2.2 | Yes |
| R97l(K115) | Recreation | 64.4 | 65.4 | 68.0 | 3.6 | 2.6 | 64.9 | 66.0 | 68.4 | 3.5 | 2.4 | Yes |
| R97m(K115) | Recreation | 66.8 | 67.8 | 68.5 | 1.7 | 0.7 | 67.1 | 68.1 | 68.6 | 1.5 | 0.5 | Yes |
| R97n(K115) | Recreation | 68.7 | 69.8 | 69.2 | 0.5 | -0.6 | 69.3 | 70.4 | 68.9 | -0.4 | -1.5 | Yes |
| R97o(K115) | Recreation | 69.4 | 70.5 | 75.1 | 5.7 | 4.6 | 69.9 | 71.0 | 74.6 | 4.7 | 3.6 | Yes |
| R97p(K115) | Recreation | 67.5 | 68.6 | 71.2 | 3.7 | 2.6 | 68.0 | 69.1 | 71.5 | 3.5 | 2.4 | Yes |
| R97q(K115) | Recreation | 66.2 | 67.2 | 67.8 | 1.6 | 0.6 | 66.6 | 67.7 | 67.7 | 1.1 | 0.0 | Yes |
| R97r(K115) | Recreation | 66.3 | 67.3 | 67.4 | 1.1 | 0.1 | 66.8 | 67.9 | 67.2 | 0.4 | -0.7 | Yes |
| R97s(K115) | Recreation | 68.0 | 69.0 | 71.4 | 3.4 | 2.4 | 68.6 | 69.7 | 71.4 | 2.8 | 1.7 | Yes |
| R97t(K115) | Recreation | 68.9 | 69.9 | N/A | N/A | N/A | 69.4 | 70.5 | N/A | N/A | N/A | N/A |
| R97u(K115) | Recreation | 69.7 | 70.8 | N/A | N/A | N/A | 70.1 | 71.2 | N/A | N/A | N/A | N/A |
| R97v(K115) | Recreation | 66.2 | 67.2 | N/A | N/A | N/A | 66.6 | 67.7 | N/A | N/A | N/A | N/A |
| R97w(K115) | Recreation | 67.4 | 68.4 | N/A | N/A | N/A | 67.7 | 68.7 | N/A | N/A | N/A | N/A |
| R97x(K115) | Recreation | 65.4 | 66.4 | N/A | N/A | N/A | 65.8 | 66.9 | N/A | N/A | N/A | N/A |
| R97y(K115) | Recreation | 74.4 | 75.0 | N/A | N/A | N/A | 74.3 | 75.0 | N/A | N/A | N/A | N/A |
| R97z(K115) | Recreation | 71.9 | 72.9 | N/A | N/A | N/A | 72.0 | 73.0 | N/A | N/A | N/A | N/A |
| R97aa(K115) | Recreation | 73.0 | 74.0 | N/A | N/A | N/A | 73.3 | 74.3 | N/A | N/A | N/A | N/A |
| R139(K409 R-47) | Recreation | 69.3 | 70.3 | 71.9 | 2.6 | 1.6 | 69.7 | 70.8 | 71.9 | 2.2 | 1.1 | Yes |
| R98(K480) | Single-Family | 73.7 | 74.8 | N/A | N/A | N/A | 74.5 | 75.6 | N/A | N/A | N/A | N/A |
| M-22(K484) | Single-Family | 73.6 | 74.7 | N/A | N/A | N/A | 74.4 | 75.5 | N/A | N/A | N/A | N/A |
| R99(K473) | Single-Family | 74.2 | 75.2 | N/A | N/A | N/A | 75.0 | 76.1 | N/A | N/A | N/A | N/A |
| R100(K318) | Single-Family | 70.0 | 71.0 | 72.0 | 2.0 | 1.0 | 70.5 | 71.6 | 72.5 | 2.0 | 0.9 | Yes |
| R101(K492) | Single-Family | 73.5 | 74.5 | N/A | N/A | N/A | 74.2 | 75.3 | N/A | N/A | N/A | N/A |
| R102(K15) | Razed | 72.0 | 73.0 | 75.8 | 3.8 | 2.8 | 72.8 | 73.9 | 77.0 | 4.2 | 3.1 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R103(K1771) | Single-Family | 65.3 | 66.4 | 67.5 | 2.2 | 1.1 | 66.0 | 67.1 | 68.5 | 2.5 | 1.4 | Yes |
| R104(K1832) | Single-Family | 65.1 | 66.1 | 67.2 | 2.1 | 1.1 | 65.8 | 66.8 | 68.2 | 2.4 | 1.4 | Yes |
| R105(K524) | Multi-Family | 71.7 | 72.7 | 75.7 | 4.0 | 3.0 | 72.5 | 73.6 | 76.9 | 4.4 | 3.3 | Yes |
| R106(KV492) | Vacant | 73.4 | 74.4 | N/A | N/A | N/A | 74.1 | 75.2 | N/A | N/A | N/A | N/A |
| R107(K541) | Single-Family | 63.4 | 64.7 | 67.5 | 4.1 | 2.8 | 64.6 | 66.0 | 68.8 | 4.2 | 2.8 | Yes |
| R108(K354) | Single-Family | 69.5 | 70.5 | 71.8 | 2.3 | 1.3 | 70.0 | 71.1 | 72.2 | 2.2 | 1.1 | Yes |
| R109(K349) | Single-Family | 69.1 | 70.1 | 71.3 | 2.2 | 1.2 | 69.6 | 70.7 | 71.7 | 2.1 | 1.0 | Yes |
| R110(K361) | Single-Family | 68.8 | 69.9 | 70.3 | 1.5 | 0.4 | 69.3 | 70.4 | 70.6 | 1.3 | 0.2 | Yes |
| R111(K527) | Single-Family | 70.9 | 71.9 | 75.4 | 4.5 | 3.5 | 71.7 | 72.8 | 76.6 | 4.9 | 3.8 | Yes |
| R112(K1841) | Single-Family | 65.4 | 66.5 | 67.5 | 2.1 | 1.0 | 66.1 | 67.2 | 68.4 | 2.3 | 1.2 | Yes |
| R113(K548) | Single-Family | 65.2 | 66.4 | 69.3 | 4.1 | 2.9 | 66.4 | 67.7 | 70.6 | 4.2 | 2.9 | Yes |
| R114(K1846) | Single-Family | 65.5 | 66.6 | 67.7 | 2.2 | 1.1 | 66.2 | 67.3 | 68.6 | 2.4 | 1.3 | Yes |
| R115(KV536) | Vacant | 72.2 | 73.2 | 75.3 | 3.1 | 2.1 | 72.9 | 74.0 | 76.5 | 3.6 | 2.5 | Yes |
| R116(K1816) | Single-Family | 66.4 | 67.4 | 68.7 | 2.3 | 1.3 | 67.1 | 68.2 | 69.7 | 2.6 | 1.5 | Yes |
| R117(KV1846) | Vacant | 66.5 | 67.5 | 68.7 | 2.2 | 1.2 | 67.1 | 68.2 | 69.7 | 2.6 | 1.5 | Yes |
| R118(K335) | Single-Family | 67.0 | 68.0 | 69.2 | 2.2 | 1.2 | 67.5 | 68.6 | 69.6 | 2.1 | 1.0 | Yes |
| R119(K322) | Single-Family | 64.4 | 65.4 | 66.8 | 2.4 | 1.4 | 64.9 | 65.9 | 67.5 | 2.6 | 1.6 | Yes |
| R120(KV1795) | Vacant | 70.2 | 71.3 | 72.8 | 2.6 | 1.5 | 71.0 | 72.2 | 73.9 | 2.9 | 1.7 | Yes |
| R121(K194 R-39) | Restaurant/Bar | 61.2 | 62.1 | 62.8 | 1.6 | 0.7 | 61.7 | 62.6 | 63.2 | 1.5 | 0.6 | No |
| R122(K365) | Single-Family | 68.1 | 69.1 | 69.9 | 1.8 | 0.8 | 68.6 | 69.7 | 70.3 | 1.7 | 0.6 | Yes |
| R123(K536) | Multi-Family | 69.3 | 70.4 | 75.2 | 5.9 | 4.8 | 70.1 | 71.2 | 76.4 | 6.3 | 5.2 | Yes |
| R124(K364) | Single-Family | 66.4 | 67.5 | 67.9 | 1.5 | 0.4 | 66.9 | 68.0 | 68.3 | 1.4 | 0.3 | Yes |
| R125(K1795) | Single-Family | 65.1 | 66.5 | 68.1 | 3.0 | 1.6 | 66.4 | 67.8 | 69.4 | 3.0 | 1.6 | Yes |
| R126(K370) | Multi-Family | 68.1 | 69.2 | 69.9 | 1.8 | 0.7 | 68.6 | 69.7 | 70.3 | 1.7 | 0.6 | Yes |
| R127(K1800) | Single-Family | 66.3 | 67.5 | 70.1 | 3.8 | 2.6 | 67.4 | 68.6 | 71.4 | 4.0 | 2.8 | Yes |
| R128(K1877) | Single-Family | 65.9 | 66.9 | 68.0 | 2.1 | 1.1 | 66.6 | 67.6 | 69.0 | 2.4 | 1.4 | Yes |
| R129(K340) | Single-Family | 60.5 | 61.5 | 65.3 | 4.8 | 3.8 | 61.1 | 62.2 | 65.9 | 4.8 | 3.7 | Yes |
| R130(K308) | Multi-Family | 63.7 | 64.7 | 65.2 | 1.5 | 0.5 | 64.2 | 65.2 | 65.7 | 1.5 | 0.5 | Yes |
| R131(K299) | Single-Family | 64.1 | 65.1 | 65.9 | 1.8 | 0.8 | 64.6 | 65.6 | 66.3 | 1.7 | 0.7 | Yes |
| R132(K545) | Single-Family | 68.3 | 69.4 | 75.6 | 7.3 | 6.2 | 69.2 | 70.3 | 76.8 | 7.6 | 6.5 | Yes |
| R133(K1811) | Single-Family | 62.1 | 63.5 | 66.5 | 4.4 | 3.0 | 63.7 | 65.1 | 67.9 | 4.2 | 2.8 | Yes |
| R134(K313) | Single-Family | 63.2 | 64.2 | 64.7 | 1.5 | 0.5 | 63.7 | 64.8 | 65.2 | 1.5 | 0.4 | No |
| R135(K346) | Single-Family | 62.1 | 63.2 | 66.1 | 4.0 | 2.9 | 62.8 | 63.9 | 66.7 | 3.9 | 2.8 | Yes |
| R136(K326) | Office | 61.6 | 62.6 | 64.3 | 2.7 | 1.7 | 62.1 | 63.1 | 65.0 | 2.9 | 1.9 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R137(K194 R-41) | Restaurant/Bar | 62.8 | 63.8 | 65.4 | 2.6 | 1.6 | 63.9 | 64.8 | 65.1 | 1.2 | 0.3 | No |
| R138(K552) | Single-Family | 69.0 | 70.0 | 76.1 | 7.1 | 6.1 | 69.9 | 70.9 | 77.3 | 7.4 | 6.4 | Yes |
| R140(K352) | Single-Family | 61.7 | 62.8 | 65.6 | 3.9 | 2.8 | 62.4 | 63.5 | 66.3 | 3.9 | 2.8 | Yes |
| R141(K317) | Single-Family | 62.6 | 63.6 | 64.0 | 1.4 | 0.4 | 63.0 | 64.1 | 64.6 | 1.6 | 0.5 | No |
| R142(K368) | Single-Family | 64.6 | 65.7 | 67.3 | 2.7 | 1.6 | 65.2 | 66.3 | 68.0 | 2.8 | 1.7 | Yes |
| R143(K562) | Single-Family | 69.1 | 70.1 | 76.1 | 7.0 | 6.0 | 69.9 | 71.0 | 77.2 | 7.3 | 6.2 | Yes |
| R144(K1784) | Single-Family | 69.3 | 70.4 | 76.3 | 7.0 | 5.9 | 70.2 | 71.3 | 77.5 | 7.3 | 6.2 | Yes |
| R145(K229 R-44) | Commercial | 63.6 | 64.5 | 64.7 | 1.1 | 0.2 | 63.4 | 64.3 | 64.8 | 1.4 | 0.5 | No |
| R146(K1772) | Single-Family | 62.0 | 63.4 | 65.6 | 3.6 | 2.2 | 63.6 | 65.0 | 67.0 | 3.4 | 2.0 | Yes |
| R147(KV1801) | Vacant | 70.5 | 71.5 | 74.2 | 3.7 | 2.7 | 71.3 | 72.4 | 75.3 | 4.0 | 2.9 | Yes |
| R148(K360) | Single-Family | 60.9 | 62.0 | 64.7 | 3.8 | 2.7 | 61.6 | 62.6 | 65.4 | 3.8 | 2.8 | No |
| R149(K1790 R-48) | Single-Family | 69.5 | 70.5 | 76.3 | 6.8 | 5.8 | 70.3 | 71.4 | 77.5 | 7.2 | 6.1 | Yes |
| R150(K353) | Multi-Family | 57.0 | 58.0 | 60.6 | 3.6 | 2.6 | 57.7 | 58.8 | 61.4 | 3.7 | 2.6 | No |
| R151(K337) | Multi-Family | 52.4 | 53.4 | 56.1 | 3.7 | 2.7 | 53.1 | 54.2 | 57.1 | 4.0 | 2.9 | No |
| R152(K373) | Single-Family | 65.5 | 66.5 | 68.6 | 3.1 | 2.1 | 66.1 | 67.2 | 69.3 | 3.2 | 2.1 | Yes |
| R153(K379) | Single-Family | 65.9 | 66.9 | 69.1 | 3.2 | 2.2 | 66.5 | 67.6 | 69.8 | 3.3 | 2.2 | Yes |
| R154(K358) | Multi-Family | 54.6 | 55.6 | 59.2 | 4.6 | 3.6 | 55.2 | 56.3 | 60.1 | 4.9 | 3.8 | No |
| R155(K362) | Single-Family | 57.7 | 58.7 | 61.3 | 3.6 | 2.6 | 58.3 | 59.4 | 62.2 | 3.9 | 2.8 | No |
| R156(K344) | Single-Family | 57.0 | 58.0 | 61.6 | 4.6 | 3.6 | 57.6 | 58.7 | 62.5 | 4.9 | 3.8 | No |
| R157(K347) | Single-Family | 57.8 | 58.8 | 62.0 | 4.2 | 3.2 | 58.4 | 59.5 | 62.5 | 4.1 | 3.0 | No |
| R158(K367) | Single-Family | 55.3 | 56.4 | 60.0 | 4.7 | 3.6 | 56.0 | 57.1 | 60.9 | 4.9 | 3.8 | No |
| R159(K401) | Single-Family | 63.4 | 64.5 | 66.0 | 2.6 | 1.5 | 64.1 | 65.2 | 66.6 | 2.5 | 1.4 | Yes |
| R160(K382) | Single-Family | 66.4 | 67.5 | 69.6 | 3.2 | 2.1 | 67.1 | 68.2 | 70.3 | 3.2 | 2.1 | Yes |
| R161(K1777) | Single-Family | 59.9 | 61.6 | 63.0 | 3.1 | 1.4 | 61.9 | 63.5 | 64.5 | 2.6 | 1.0 | No |
| R162(K386) | Single-Family | 67.0 | 68.1 | 70.1 | 3.1 | 2.0 | 67.7 | 68.8 | 70.7 | 3.0 | 1.9 | Yes |
| R163(K1801) | Single-Family | 68.2 | 69.2 | 75.4 | 7.2 | 6.2 | 69.1 | 70.2 | 76.2 | 7.1 | 6.0 | Yes |
| R164(K332) | Studio | 57.4 | 58.4 | 61.9 | 4.5 | 3.5 | 58.0 | 59.1 | 62.4 | 4.4 | 3.3 | No |
| R165(K1885) | Single-Family | 65.4 | 66.2 | 66.7 | 1.3 | 0.5 | 65.9 | 66.7 | 67.6 | 1.7 | 0.9 | Yes |
| R166(K1828) | Single-Family | 59.9 | 61.8 | 62.9 | 3.0 | 1.1 | 62.2 | 63.9 | 64.5 | 2.3 | 0.6 | No |
| R167(K1883) | Single-Family | 65.1 | 65.9 | 66.5 | 1.4 | 0.6 | 65.6 | 66.5 | 67.4 | 1.8 | 0.9 | Yes |
| R168(K396) | Single-Family | 67.4 | 68.4 | 69.6 | 2.2 | 1.2 | 67.9 | 69.0 | 70.2 | 2.3 | 1.2 | Yes |
| R169(K388) | Single-Family | 67.2 | 68.2 | 69.9 | 2.7 | 1.7 | 67.8 | 68.9 | 70.6 | 2.8 | 1.7 | Yes |
| R170(K1812) | Single-Family | 67.7 | 68.7 | 74.7 | 7.0 | 6.0 | 68.6 | 69.7 | 75.5 | 6.9 | 5.8 | Yes |
| R171(K402) | Single-Family | 63.2 | 64.2 | 65.7 | 2.5 | 1.5 | 63.8 | 64.9 | 66.4 | 2.6 | 1.5 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R172(K1839) | Single-Family | 59.6 | 61.5 | 62.7 | 3.1 | 1.2 | 61.9 | 63.5 | 64.2 | 2.3 | 0.7 | No |
| R173(K1882) | Single-Family | 65.4 | 66.3 | 66.6 | 1.2 | 0.3 | 66.0 | 66.9 | 67.5 | 1.5 | 0.6 | Yes |
| R174(K1765) | Single-Family | 66.3 | 67.1 | 67.5 | 1.2 | 0.4 | 66.9 | 67.8 | 68.4 | 1.5 | 0.6 | Yes |
| R175(K1915) | Single-Family | 66.8 | 67.6 | 67.5 | 0.7 | -0.1 | 67.3 | 68.1 | 68.4 | 1.1 | 0.3 | Yes |
| R176(K1759) | Single-Family | 64.5 | 65.2 | 66.3 | 1.8 | 1.1 | 64.9 | 65.7 | 67.0 | 2.1 | 1.3 | Yes |
| R177(K1770) | Single-Family | 67.6 | 68.6 | 74.2 | 6.6 | 5.6 | 68.5 | 69.6 | 75.0 | 6.5 | 5.4 | Yes |
| R178(K371) | Single-Family | 51.8 | 52.8 | 56.4 | 4.6 | 3.6 | 52.5 | 53.6 | 57.0 | 4.5 | 3.4 | No |
| R179(K1879) | Single-Family | 63.7 | 64.4 | 66.4 | 2.7 | 2.0 | 64.3 | 65.2 | 67.4 | 3.1 | 2.2 | Yes |
| R180(K1909) | Single-Family | 67.0 | 67.8 | 68.8 | 1.8 | 1.0 | 67.5 | 68.4 | 69.7 | 2.2 | 1.3 | Yes |
| R181(K381) | Multi-Family | 51.2 | 52.3 | 55.9 | 4.7 | 3.6 | 51.9 | 53.0 | 56.8 | 4.9 | 3.8 | No |
| R182(K378) | Single-Family | 49.5 | 50.5 | 54.4 | 4.9 | 3.9 | 50.1 | 51.2 | 55.1 | 5.0 | 3.9 | No |
| R183(K384) | Single-Family | 58.6 | 59.6 | 62.1 | 3.5 | 2.5 | 59.3 | 60.4 | 62.9 | 3.6 | 2.5 | No |
| R184(K389) | Single-Family | 58.4 | 59.4 | 62.1 | 3.7 | 2.7 | 59.1 | 60.2 | 63.0 | 3.9 | 2.8 | No |
| R185(K1820) | Single-Family | 66.6 | 67.6 | 73.6 | 7.0 | 6.0 | 67.4 | 68.4 | 74.4 | 7.0 | 6.0 | Yes |
| R186(K369) | Single-Family | 58.2 | 59.5 | 59.5 | 1.3 | 0.0 | 58.4 | 59.6 | 60.0 | 1.6 | 0.4 | No |
| R187(K1755) | Razed | 63.5 | 64.3 | 65.4 | 1.9 | 1.1 | 64.1 | 65.0 | 66.3 | 2.2 | 1.3 | Yes |
| R188(K1903) | Single-Family | 61.5 | 62.3 | 63.9 | 2.4 | 1.6 | 62.2 | 63.0 | 64.8 | 2.6 | 1.8 | No |
| R189(K1873) | Single-Family | 63.9 | 64.7 | 66.2 | 2.3 | 1.5 | 64.6 | 65.5 | 67.2 | 2.6 | 1.7 | Yes |
| R190(K1834) | Single-Family | 66.7 | 67.7 | 73.1 | 6.4 | 5.4 | 67.5 | 68.6 | 73.9 | 6.4 | 5.3 | Yes |
| R191(K1871) | Single-Family | 64.4 | 65.2 | 66.7 | 2.3 | 1.5 | 65.1 | 66.0 | 67.7 | 2.6 | 1.7 | Yes |
| R192(K427) | Single-Family | 63.8 | 64.9 | 67.0 | 3.2 | 2.1 | 64.5 | 65.6 | 67.6 | 3.1 | 2.0 | Yes |
| R193(K387) | Multi-Family | 59.0 | 60.3 | 60.3 | 1.3 | 0.0 | 59.2 | 60.4 | 60.7 | 1.5 | 0.3 | No |
| R194(K1864) | Single-Family | 64.1 | 65.0 | 66.7 | 2.6 | 1.7 | 65.0 | 66.0 | 67.8 | 2.8 | 1.8 | Yes |
| R195(K1844) | Single-Family | 66.7 | 67.7 | 72.3 | 5.6 | 4.6 | 67.4 | 68.5 | 73.2 | 5.8 | 4.7 | Yes |
| R196(K400) | Multi-Family | 61.1 | 62.2 | 64.4 | 3.3 | 2.2 | 61.6 | 62.8 | 65.2 | 3.6 | 2.4 | No |
| R197(K380) | Multi-Family | 56.4 | 57.7 | 58.3 | 1.9 | 0.6 | 56.7 | 57.9 | 58.9 | 2.2 | 1.0 | No |
| R198(K1850) | Single-Family | 67.0 | 68.0 | 72.1 | 5.1 | 4.1 | 67.7 | 68.8 | 73.0 | 5.3 | 4.2 | Yes |
| R199(K397) | Razed | 59.1 | 60.3 | 60.5 | 1.4 | 0.2 | 59.5 | 60.7 | 61.1 | 1.6 | 0.4 | No |
| R200(K432) | Single-Family | 64.6 | 65.7 | 67.5 | 2.9 | 1.8 | 65.2 | 66.3 | 68.2 | 3.0 | 1.9 | Yes |
| R201(K383) | Multi-Family | 56.1 | 57.4 | 57.9 | 1.8 | 0.5 | 56.4 | 57.6 | 58.4 | 2.0 | 0.8 | No |
| R202(K413) | Multi-Family | 62.1 | 63.3 | 63.5 | 1.4 | 0.2 | 62.7 | 63.8 | 64.2 | 1.5 | 0.4 | No |
| R203(K1913) | Single-Family | 56.3 | 57.2 | 58.5 | 2.2 | 1.3 | 57.0 | 57.9 | 59.5 | 2.5 | 1.6 | No |
| R204(K1891) | Single-Family | 65.1 | 66.0 | 67.9 | 2.8 | 1.9 | 65.9 | 67.0 | 68.9 | 3.0 | 1.9 | Yes |
| R205(K1861) | Multi-Family | 67.2 | 68.1 | 72.1 | 4.9 | 4.0 | 67.9 | 68.9 | 73.0 | 5.1 | 4.1 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R206(K445) | Multi-Family | 63.9 | 64.9 | 67.1 | 3.2 | 2.2 | 64.4 | 65.5 | 67.7 | 3.3 | 2.2 | Yes |
| R207(K420) | Multi-Family | 62.0 | 63.2 | 63.6 | 1.6 | 0.4 | 62.5 | 63.6 | 64.2 | 1.7 | 0.6 | No |
| R208(K1764) | Day Care | 66.1 | 67.0 | 68.7 | 2.6 | 1.7 | 66.8 | 67.7 | 69.5 | 2.7 | 1.8 | Yes |
| M-23(K506) | Recreation | 68.1 | 69.1 | N/A | N/A | N/A | 68.5 | 69.6 | N/A | N/A | N/A | N/A |
| R209(K1897) | Single-Family | 62.2 | 63.2 | 65.4 | 3.2 | 2.2 | 63.1 | 64.2 | 66.5 | 3.4 | 2.3 | Yes |
| R210(K425) | Single-Family | 59.3 | 60.6 | 61.4 | 2.1 | 0.8 | 59.6 | 60.8 | 62.0 | 2.4 | 1.2 | No |
| R211(K1761) | Single-Family | 67.7 | 68.7 | 71.8 | 4.1 | 3.1 | 68.5 | 69.5 | 72.8 | 4.3 | 3.3 | Yes |
| R212(K454) | Multi-Family | 63.8 | 64.9 | 66.8 | 3.0 | 1.9 | 64.4 | 65.5 | 67.4 | 3.0 | 1.9 | Yes |
| R213(K1905) | Single-Family | 62.8 | 63.8 | 66.1 | 3.3 | 2.3 | 63.7 | 64.8 | 67.2 | 3.5 | 2.4 | Yes |
| R214(K435) | Single-Family | 58.9 | 60.2 | 60.6 | 1.7 | 0.4 | 59.2 | 60.4 | 61.1 | 1.9 | 0.7 | No |
| R215(K1926) | Multi-Family | 57.7 | 58.7 | 61.3 | 3.6 | 2.6 | 58.6 | 59.7 | 62.4 | 3.8 | 2.7 | No |
| R216(K422) | Single-Family | 57.8 | 59.0 | 60.3 | 2.5 | 1.3 | 58.4 | 59.5 | 61.1 | 2.7 | 1.6 | No |
| R217(K1932) | Single-Family | 56.4 | 57.4 | 59.6 | 3.2 | 2.2 | 57.2 | 58.3 | 60.7 | 3.5 | 2.4 | No |
| R218(K461) | Single-Family | 64.1 | 65.2 | 67.0 | 2.9 | 1.8 | 64.7 | 65.8 | 67.7 | 3.0 | 1.9 | Yes |
| R219(K1910) | Single-Family | 62.9 | 63.9 | 66.8 | 3.9 | 2.9 | 63.8 | 64.9 | 67.8 | 4.0 | 2.9 | Yes |
| R220(K457) | Single-Family | 62.1 | 63.3 | 63.9 | 1.8 | 0.6 | 62.6 | 63.7 | 64.6 | 2.0 | 0.9 | No |
| R221(K1938) | Single-Family | 59.5 | 60.6 | 62.6 | 3.1 | 2.0 | 60.3 | 61.4 | 63.7 | 3.4 | 2.3 | No |
| R222(K439) | Multi-Family | 56.2 | 57.4 | 58.3 | 2.1 | 0.9 | 56.8 | 57.9 | 59.0 | 2.2 | 1.1 | No |
| R223(K444) | Single-Family | 57.5 | 58.7 | 59.9 | 2.4 | 1.2 | 58.1 | 59.2 | 60.6 | 2.5 | 1.4 | No |
| R224(K1919) | Multi-Family | 64.4 | 65.5 | 67.8 | 3.4 | 2.3 | 65.3 | 66.4 | 69.0 | 3.7 | 2.6 | Yes |
| R225(K412) | Single-Family | 48.1 | 49.2 | 52.1 | 4.0 | 2.9 | 48.6 | 49.7 | 52.7 | 4.1 | 3.0 | No |
| R226(K447) | Single-Family | 57.9 | 59.1 | 60.4 | 2.5 | 1.3 | 58.4 | 59.6 | 61.1 | 2.7 | 1.5 | No |
| R227(K1944) | Single-Family | 59.3 | 60.3 | 62.5 | 3.2 | 2.2 | 60.1 | 61.2 | 63.6 | 3.5 | 2.4 | No |
| R228(K419) | Single-Family | 43.9 | 44.8 | 48.2 | 4.3 | 3.4 | 44.5 | 45.5 | 48.8 | 4.3 | 3.3 | No |
| R229(K430) | Single-Family | 50.5 | 51.6 | 52.7 | 2.2 | 1.1 | 51.0 | 52.2 | 53.3 | 2.3 | 1.1 | No |
| R230(K1927) | Multi-Family | 64.6 | 65.6 | 67.9 | 3.3 | 2.3 | 65.5 | 66.6 | 69.0 | 3.5 | 2.4 | Yes |
| R231(K626) | Multi-Family | 58.1 | 59.1 | 60.6 | 2.5 | 1.5 | 58.8 | 59.9 | 61.6 | 2.8 | 1.7 | No |
| R232(K452) | Single-Family | 55.7 | 56.8 | 58.7 | 3.0 | 1.9 | 56.2 | 57.4 | 59.3 | 3.1 | 1.9 | No |
| R233(K466) | Multi-Family | 62.9 | 64.1 | 64.7 | 1.8 | 0.6 | 63.6 | 64.7 | 65.4 | 1.8 | 0.7 | No |
| R234(K477) | Razed | 64.0 | 65.2 | 65.7 | 1.7 | 0.5 | 64.7 | 65.8 | 66.4 | 1.7 | 0.6 | Yes |
| R235(K495) | Single-Family | 64.9 | 66.1 | 66.8 | 1.9 | 0.7 | 65.6 | 66.7 | 67.5 | 1.9 | 0.8 | Yes |
| R236(K1937) | Single-Family | 64.0 | 65.1 | 67.6 | 3.6 | 2.5 | 65.0 | 66.1 | 68.7 | 3.7 | 2.6 | Yes |
| R237(K620) | Single-Family | 63.4 | 64.4 | 65.8 | 2.4 | 1.4 | 64.2 | 65.3 | 66.8 | 2.6 | 1.5 | Yes |
| R238(K451) | Single-Family | 49.5 | 50.5 | 54.1 | 4.6 | 3.6 | 50.2 | 51.2 | 54.7 | 4.5 | 3.5 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R239(K649) | Single-Family | 50.3 | 51.3 | 52.4 | 2.1 | 1.1 | 50.5 | 51.6 | 53.6 | 3.1 | 2.0 | No |
| R240(K1954) | Single-Family | 61.3 | 62.3 | 65.5 | 4.2 | 3.2 | 62.3 | 63.4 | 66.5 | 4.2 | 3.1 | Yes |
| R241(K478) | Single-Family | 59.3 | 60.4 | 61.0 | 1.7 | 0.6 | 60.1 | 61.2 | 61.8 | 1.7 | 0.6 | No |
| R242(K644) | Single-Family | 50.3 | 51.3 | 52.3 | 2.0 | 1.0 | 50.3 | 51.5 | 53.4 | 3.1 | 1.9 | No |
| R243(K1948) | Single-Family | 63.4 | 64.4 | 67.9 | 4.5 | 3.5 | 64.4 | 65.5 | 68.8 | 4.4 | 3.3 | Yes |
| R244(K458) | Single-Family | 51.1 | 52.1 | 55.5 | 4.4 | 3.4 | 51.9 | 52.9 | 56.2 | 4.3 | 3.3 | No |
| R245(K525) | Single-Family | 65.3 | 66.4 | 67.4 | 2.1 | 1.0 | 66.0 | 67.1 | 68.1 | 2.1 | 1.0 | Yes |
| R246(K1963) | Single-Family | 60.6 | 61.7 | 64.7 | 4.1 | 3.0 | 61.6 | 62.7 | 65.7 | 4.1 | 3.0 | Yes |
| R247(K643) | Single-Family | 50.1 | 51.1 | 51.8 | 1.7 | 0.7 | 50.2 | 51.3 | 52.8 | 2.6 | 1.5 | No |
| R248(K519) | Multi-Family | 64.3 | 65.4 | 66.4 | 2.1 | 1.0 | 65.0 | 66.1 | 67.1 | 2.1 | 1.0 | Yes |
| R249(K1947) | Restaurant/Bar | 65.3 | 66.3 | 69.4 | 4.1 | 3.1 | 66.3 | 67.4 | 70.5 | 4.2 | 3.1 | No |
| R250(K642) | Single-Family | 52.8 | 53.7 | 54.6 | 1.8 | 0.9 | 53.2 | 54.3 | 55.7 | 2.5 | 1.4 | No |
| R251(K1966) | Commercial | 59.6 | 60.6 | 62.1 | 2.5 | 1.5 | 60.4 | 61.5 | 63.1 | 2.7 | 1.6 | No |
| R252(K469) | Single-Family | 54.1 | 55.1 | 57.3 | 3.2 | 2.2 | 54.7 | 55.8 | 58.2 | 3.5 | 2.4 | No |
| R253(K499) | Single-Family | 61.5 | 62.5 | 63.7 | 2.2 | 1.2 | 62.2 | 63.3 | 64.6 | 2.4 | 1.3 | No |
| R254(K534) | Restaurant/Bar | 65.4 | 66.5 | 67.6 | 2.2 | 1.1 | 66.0 | 67.1 | 68.3 | 2.3 | 1.2 | No |
| R255(K510) | Multi-Family | 62.0 | 63.1 | 63.8 | 1.8 | 0.7 | 62.8 | 63.9 | 64.6 | 1.8 | 0.7 | No |
| R256(K641) | Single-Family | 55.4 | 56.4 | 57.5 | 2.1 | 1.1 | 56.1 | 57.2 | 58.7 | 2.6 | 1.5 | No |
| R257(K475) | Razed | 52.3 | 53.2 | 55.7 | 3.4 | 2.5 | 52.9 | 54.0 | 56.5 | 3.6 | 2.5 | No |
| R258(K614) | Single-Family | 65.2 | 66.2 | 68.3 | 3.1 | 2.1 | 66.1 | 67.1 | 69.2 | 3.1 | 2.1 | Yes |
| R259(K639) | Multi-Family | 62.3 | 63.3 | 65.0 | 2.7 | 1.7 | 63.2 | 64.3 | 66.1 | 2.9 | 1.8 | Yes |
| R260(K486) | Single-Family | 54.7 | 55.7 | 57.3 | 2.6 | 1.6 | 55.4 | 56.4 | 58.1 | 2.7 | 1.7 | No |
| R261(K491) | Single-Family | 54.3 | 55.3 | 58.1 | 3.8 | 2.8 | 54.9 | 56.0 | 58.9 | 4.0 | 2.9 | No |
| R262(K613) | Single-Family | 65.8 | 66.8 | 69.2 | 3.4 | 2.4 | 66.7 | 67.8 | 70.1 | 3.4 | 2.3 | Yes |
| R263(K498) | Single-Family | 51.0 | 51.9 | 55.7 | 4.7 | 3.8 | 51.6 | 52.6 | 56.6 | 5.0 | 4.0 | No |
| R264(K1781) | Office | 68.3 | 69.4 | 70.7 | 2.4 | 1.3 | 68.9 | 69.9 | 71.3 | 2.4 | 1.4 | Yes |
| R265(K503) | Single-Family | 49.4 | 50.3 | 54.4 | 5.0 | 4.1 | 50.0 | 51.0 | 55.2 | 5.2 | 4.2 | No |
| R266(K610) | Single-Family | 66.1 | 67.2 | 69.6 | 3.5 | 2.4 | 67.0 | 68.1 | 70.5 | 3.5 | 2.4 | Yes |
| R267(K608) | Single-Family | 67.2 | 68.2 | 70.3 | 3.1 | 2.1 | 68.1 | 69.2 | 71.3 | 3.2 | 2.1 | Yes |
| R268(K559) | Commercial | 65.1 | 66.0 | 67.7 | 2.6 | 1.7 | 65.6 | 66.5 | 68.4 | 2.8 | 1.9 | No |
| R269(K607) | Single-Family | 68.2 | 69.2 | 71.0 | 2.8 | 1.8 | 69.1 | 70.2 | 72.0 | 2.9 | 1.8 | Yes |
| R270(K606 R-50) | Razed | 69.2 | 70.2 | 71.6 | 2.4 | 1.4 | 70.1 | 71.2 | 72.7 | 2.6 | 1.5 | Yes |
| R271(K515) | Single-Family | 55.3 | 56.3 | 59.3 | 4.0 | 3.0 | 56.3 | 57.3 | 60.1 | 3.8 | 2.8 | No |
| R272(K722) | Single-Family | 68.7 | 69.3 | 67.7 | -1.0 | -1.6 | 66.3 | 67.4 | 67.6 | 1.3 | 0.2 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|------------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R273(K729) | Multi-Family | 67.5 | 68.4 | 67.3 | -0.2 | -1.1 | 65.9 | 67.0 | 67.5 | 1.6 | 0.5 | Yes |
| R274(K1791) | Multi-Family | 62.1 | 63.1 | 64.7 | 2.6 | 1.6 | 62.7 | 63.8 | 65.4 | 2.7 | 1.6 | No |
| R275(K720) | Church | 64.3 | 65.3 | 66.3 | 2.0 | 1.0 | 64.5 | 65.6 | 67.3 | 2.8 | 1.7 | Yes |
| R276(K522) | Single-Family | 58.0 | 58.7 | 60.7 | 2.7 | 2.0 | 58.5 | 59.3 | 61.3 | 2.8 | 2.0 | No |
| R277(K680) | School | 70.9 | 71.9 | 71.9 | 1.0 | 0.0 | 71.2 | 72.2 | 72.9 | 1.7 | 0.7 | Yes |
| R278(K555) | Multi-Family | 62.2 | 62.7 | 65.0 | 2.8 | 2.3 | 62.5 | 63.2 | 65.5 | 3.0 | 2.3 | No |
| R279(K1796) | Single-Family | 62.2 | 63.2 | 64.5 | 2.3 | 1.3 | 62.7 | 63.8 | 65.1 | 2.4 | 1.3 | No |
| R280(K554) | Multi-Family | 60.9 | 61.4 | 63.9 | 3.0 | 2.5 | 61.3 | 61.9 | 64.4 | 3.1 | 2.5 | No |
| M-24(K655) | Single-Family | 72.4 | 73.4 | 72.4 | 0.0 | -1.0 | 72.8 | 73.9 | 73.3 | 0.5 | -0.6 | Yes |
| R281(K1802) | Single-Family | 61.6 | 62.6 | 63.3 | 1.7 | 0.7 | 62.2 | 63.2 | 63.9 | 1.7 | 0.7 | No |
| R282(K730) | Single-Family | 56.6 | 57.7 | 60.2 | 3.6 | 2.5 | 57.5 | 58.6 | 61.0 | 3.5 | 2.4 | No |
| R283(K735) | Single-Family | 55.8 | 56.8 | 59.6 | 3.8 | 2.8 | 56.6 | 57.7 | 60.3 | 3.7 | 2.6 | No |
| R284(K523) | Multi-Family | 58.4 | 58.8 | 60.4 | 2.0 | 1.6 | 58.7 | 59.1 | 60.8 | 2.1 | 1.7 | No |
| R285(K755) | Single-Family | 55.1 | 56.1 | 59.1 | 4.0 | 3.0 | 56.0 | 57.1 | 59.9 | 3.9 | 2.8 | No |
| R286(K549) | Multi-Family | 61.0 | 61.5 | 63.7 | 2.7 | 2.2 | 61.3 | 61.9 | 64.2 | 2.9 | 2.3 | No |
| R287(K645) | Single-Family | 72.0 | 73.0 | 73.7 | 1.7 | 0.7 | 72.3 | 73.3 | 74.6 | 2.3 | 1.3 | Yes |
| R288(K715) | Church | 63.2 | 64.2 | 64.9 | 1.7 | 0.7 | 63.8 | 64.9 | 66.0 | 2.2 | 1.1 | Yes |
| R289(K1818) | Multi-Family | 63.9 | 64.9 | 66.0 | 2.1 | 1.1 | 64.4 | 65.5 | 66.7 | 2.3 | 1.2 | Yes |
| R290(K102) | Multi-Family | 59.6 | 60.3 | 62.5 | 2.9 | 2.2 | 60.1 | 60.9 | 63.2 | 3.1 | 2.3 | No |
| R291(K1785) | Single-Family | 61.3 | 62.3 | 62.2 | 0.9 | -0.1 | 61.9 | 63.0 | 63.2 | 1.3 | 0.2 | No |
| R292(K546) | Single-Family | 60.7 | 61.0 | 63.4 | 2.7 | 2.4 | 60.9 | 61.4 | 63.8 | 2.9 | 2.4 | No |
| R293(K699) | Single-Family | 64.8 | 65.8 | 66.4 | 1.6 | 0.6 | 65.5 | 66.6 | 67.4 | 1.9 | 0.8 | Yes |
| R294(K1805) | Multi-Family | 62.6 | 63.6 | 63.8 | 1.2 | 0.2 | 63.2 | 64.3 | 64.7 | 1.5 | 0.4 | No |
| R295(K791) | Single-Family | 57.8 | 58.8 | 60.7 | 2.9 | 1.9 | 58.5 | 59.6 | 61.5 | 3.0 | 1.9 | No |
| R296(K1837A) | Multi-Family | 64.9 | 66.0 | 67.0 | 2.1 | 1.0 | 65.4 | 66.5 | 67.8 | 2.4 | 1.3 | Yes |
| R297(K909) | Park/Playground/Picnic | 58.5 | 59.5 | 61.5 | 3.0 | 2.0 | 59.2 | 60.3 | 62.3 | 3.1 | 2.0 | No |
| R298(K784) | Single-Family | 57.9 | 59.0 | 61.1 | 3.2 | 2.1 | 58.7 | 59.8 | 61.9 | 3.2 | 2.1 | No |
| R299(K1792) | Single-Family | 56.5 | 57.5 | 59.4 | 2.9 | 1.9 | 57.1 | 58.2 | 60.4 | 3.3 | 2.2 | No |
| R300(K775) | Single-Family | 49.6 | 50.6 | 53.4 | 3.8 | 2.8 | 50.6 | 51.6 | 54.3 | 3.7 | 2.7 | No |
| R301(K782) | Single-Family | 54.2 | 55.2 | 58.2 | 4.0 | 3.0 | 55.1 | 56.2 | 59.0 | 3.9 | 2.8 | No |
| R302(K966) | Single-Family | 46.0 | 47.0 | 48.7 | 2.7 | 1.7 | 46.3 | 47.4 | 49.6 | 3.3 | 2.2 | No |
| R303(K687) | Single-Family | 70.7 | 71.7 | 75.1 | 4.4 | 3.4 | 71.4 | 72.5 | 76.0 | 4.6 | 3.5 | Yes |
| R304(K963) | Single-Family | 57.3 | 58.3 | 60.9 | 3.6 | 2.6 | 58.1 | 59.1 | 61.7 | 3.6 | 2.6 | No |
| R305(K1809) | Single-Family | 61.6 | 62.7 | 63.1 | 1.5 | 0.4 | 62.2 | 63.3 | 64.1 | 1.9 | 0.8 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R306(K1837) | Multi-Family | 65.5 | 66.6 | 67.6 | 2.1 | 1.0 | 66.1 | 67.1 | 68.4 | 2.3 | 1.3 | Yes |
| R307(K759) | Single-Family | 50.9 | 51.9 | 55.3 | 4.4 | 3.4 | 52.0 | 53.0 | 56.2 | 4.2 | 3.2 | No |
| R308(K682) | Single-Family | 72.0 | 73.1 | 75.2 | 3.2 | 2.1 | 72.8 | 73.9 | 76.2 | 3.4 | 2.3 | Yes |
| R309(K779) | Multi-Family | 60.4 | 61.4 | 63.3 | 2.9 | 1.9 | 61.1 | 62.2 | 64.1 | 3.0 | 1.9 | No |
| R310(K1855 R-49) | Single-Family | 68.3 | 69.3 | 70.5 | 2.2 | 1.2 | 68.8 | 69.8 | 71.1 | 2.3 | 1.3 | Yes |
| R311(K692) | Single-Family | 67.5 | 68.5 | 69.7 | 2.2 | 1.2 | 68.3 | 69.3 | 70.5 | 2.2 | 1.2 | Yes |
| R312(K950) | Single-Family | 57.6 | 58.6 | 61.3 | 3.7 | 2.7 | 58.4 | 59.4 | 62.1 | 3.7 | 2.7 | No |
| R313(K1815) | Single-Family | 61.2 | 62.3 | 63.5 | 2.3 | 1.2 | 61.8 | 62.9 | 64.4 | 2.6 | 1.5 | No |
| R314(K678) | Single-Family | 72.0 | 73.0 | N/A | N/A | N/A | 72.8 | 73.9 | N/A | N/A | N/A | N/A |
| R315(K942) | Single-Family | 58.0 | 59.0 | 61.2 | 3.2 | 2.2 | 58.8 | 59.9 | 62.0 | 3.2 | 2.1 | No |
| R316(K935) | Single-Family | 58.6 | 59.7 | 61.8 | 3.2 | 2.1 | 59.4 | 60.5 | 62.6 | 3.2 | 2.1 | No |
| R317(K923) | Single-Family | 58.6 | 59.6 | 61.0 | 2.4 | 1.4 | 59.3 | 60.4 | 61.8 | 2.5 | 1.4 | No |
| R318(K926) | Single-Family | 58.3 | 59.3 | 61.3 | 3.0 | 2.0 | 59.0 | 60.1 | 62.1 | 3.1 | 2.0 | No |
| R319(K737) | Single-Family | 63.1 | 64.2 | 66.4 | 3.3 | 2.2 | 64.0 | 65.0 | 67.2 | 3.2 | 2.2 | Yes |
| R320(K756) | Single-Family | 62.7 | 63.8 | 65.8 | 3.1 | 2.0 | 63.6 | 64.6 | 66.6 | 3.0 | 2.0 | Yes |
| R321(K916) | Single-Family | 58.9 | 59.9 | 60.5 | 1.6 | 0.6 | 59.6 | 60.7 | 61.4 | 1.8 | 0.7 | No |
| R322(K1774) | Single-Family | 59.1 | 60.2 | 62.6 | 3.5 | 2.4 | 59.7 | 60.8 | 63.5 | 3.8 | 2.7 | No |
| R323(K733) | Multi-Family | 60.2 | 61.2 | 66.8 | 6.6 | 5.6 | 61.2 | 62.3 | 67.7 | 6.5 | 5.4 | Yes |
| R324(K745) | Single-Family | 65.1 | 66.2 | 68.1 | 3.0 | 1.9 | 65.9 | 67.0 | 68.9 | 3.0 | 1.9 | Yes |
| R325(K1855) | Single-Family | 65.7 | 66.7 | 67.8 | 2.1 | 1.1 | 66.2 | 67.3 | 68.5 | 2.3 | 1.2 | Yes |
| R326(K915) | Single-Family | 59.9 | 60.9 | 61.5 | 1.6 | 0.6 | 60.6 | 61.7 | 62.4 | 1.8 | 0.7 | No |
| R327(K1826) | Single-Family | 59.2 | 60.3 | 61.5 | 2.3 | 1.2 | 59.7 | 60.8 | 62.3 | 2.6 | 1.5 | No |
| R328(K674) | Single-Family | 73.2 | 74.3 | N/A | N/A | N/A | 74.1 | 75.2 | N/A | N/A | N/A | N/A |
| R329(K736) | Single-Family | 68.5 | 69.5 | 68.8 | 0.3 | -0.7 | 69.1 | 70.2 | 69.7 | 0.6 | -0.5 | Yes |
| R330(K1862) | Multi-Family | 65.5 | 66.5 | 67.7 | 2.2 | 1.2 | 66.0 | 67.0 | 68.4 | 2.4 | 1.4 | Yes |
| R331(K717) | Single-Family | 66.8 | 67.8 | 69.3 | 2.5 | 1.5 | 67.5 | 68.5 | 70.3 | 2.8 | 1.8 | Yes |
| R332(K910) | Single-Family | 59.9 | 60.9 | 62.0 | 2.1 | 1.1 | 60.5 | 61.5 | 62.9 | 2.4 | 1.4 | No |
| R333(K1775) | Single-Family | 52.2 | 53.3 | 55.6 | 3.4 | 2.3 | 52.8 | 53.9 | 56.5 | 3.7 | 2.6 | No |
| R334(K1821) | Single-Family | 52.3 | 53.3 | 55.5 | 3.2 | 2.2 | 53.0 | 54.0 | 56.4 | 3.4 | 2.4 | No |
| R335(KV1880) | Vacant | 69.0 | 70.1 | 69.9 | 0.9 | -0.2 | 69.5 | 70.6 | 70.7 | 1.2 | 0.1 | Yes |
| R336(K1831) | Single-Family | 59.4 | 60.5 | 60.8 | 1.4 | 0.3 | 60.0 | 61.1 | 61.7 | 1.7 | 0.6 | No |
| R337(K587) | Single-Family | 60.1 | 61.1 | 62.2 | 2.1 | 1.1 | 60.6 | 61.7 | 63.1 | 2.5 | 1.4 | No |
| R338(K718) | Single-Family | 68.5 | 69.5 | 71.4 | 2.9 | 1.9 | 69.3 | 70.3 | 72.4 | 3.1 | 2.1 | Yes |
| R339(K583) | Single-Family | 59.5 | 60.6 | 61.9 | 2.4 | 1.3 | 60.2 | 61.3 | 62.7 | 2.5 | 1.4 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R340(K576) | Single-Family | 60.6 | 61.6 | 62.8 | 2.2 | 1.2 | 61.3 | 62.4 | 63.6 | 2.3 | 1.2 | No |
| R341(K568) | Single-Family | 62.7 | 63.8 | 64.8 | 2.1 | 1.0 | 63.4 | 64.5 | 65.7 | 2.3 | 1.2 | Yes |
| R342(K573) | Single-Family | 60.8 | 61.9 | 63.1 | 2.3 | 1.2 | 61.5 | 62.6 | 63.9 | 2.4 | 1.3 | No |
| R343(K785) | Multi-Family | 66.5 | 67.5 | 69.6 | 3.1 | 2.1 | 67.2 | 68.3 | 70.5 | 3.3 | 2.2 | Yes |
| R344(K1880) | Single-Family | 64.8 | 65.8 | 67.0 | 2.2 | 1.2 | 65.3 | 66.3 | 67.8 | 2.5 | 1.5 | Yes |
| R345(K857) | Single-Family | 62.0 | 63.0 | 64.1 | 2.1 | 1.1 | 62.7 | 63.8 | 65.0 | 2.3 | 1.2 | No |
| R346(K1840) | Multi-Family | 59.6 | 60.6 | 61.1 | 1.5 | 0.5 | 60.2 | 61.3 | 62.0 | 1.8 | 0.7 | No |
| R347(K1760) | Single-Family | 66.2 | 67.3 | 68.3 | 2.1 | 1.0 | 66.7 | 67.8 | 69.1 | 2.4 | 1.3 | Yes |
| R348(K1819) | Single-Family | 51.5 | 52.5 | 54.0 | 2.5 | 1.5 | 52.1 | 53.2 | 54.8 | 2.7 | 1.6 | No |
| R349(K714) | Multi-Family | 71.2 | 72.2 | 74.2 | 3.0 | 2.0 | 72.0 | 73.1 | 75.2 | 3.2 | 2.1 | Yes |
| R350(K1858) | Multi-Family | 57.3 | 58.4 | 60.1 | 2.8 | 1.7 | 58.0 | 59.1 | 61.0 | 3.0 | 1.9 | No |
| M-25(K707) | Single-Family | 71.1 | 72.1 | N/A | N/A | N/A | 72.0 | 73.0 | N/A | N/A | N/A | N/A |
| R351(K1886) | Single-Family | 67.6 | 68.7 | 69.2 | 1.6 | 0.5 | 68.3 | 69.4 | 70.0 | 1.7 | 0.6 | Yes |
| R352(K1869) | Multi-Family | 51.4 | 52.4 | 54.9 | 3.5 | 2.5 | 52.1 | 53.2 | 55.7 | 3.6 | 2.5 | No |
| R353(K1876) | Razed | 55.8 | 56.8 | 57.6 | 1.8 | 0.8 | 56.4 | 57.5 | 58.3 | 1.9 | 0.8 | No |
| R354(K1890) | Single-Family | 66.9 | 68.0 | 68.8 | 1.9 | 0.8 | 67.6 | 68.7 | 69.5 | 1.9 | 0.8 | Yes |
| R355(K783) | Single-Family | 67.5 | 68.6 | 71.9 | 4.4 | 3.3 | 68.3 | 69.4 | 72.9 | 4.6 | 3.5 | Yes |
| R356(K1851) | Single-Family | 55.0 | 56.1 | 57.4 | 2.4 | 1.3 | 55.5 | 56.6 | 58.3 | 2.8 | 1.7 | No |
| R357(K1900) | Commercial | 68.3 | 69.3 | 70.1 | 1.8 | 0.8 | 68.6 | 69.7 | 70.7 | 2.1 | 1.0 | Yes |
| R358(K1845) | Single-Family | 58.1 | 59.1 | 60.0 | 1.9 | 0.9 | 58.6 | 59.7 | 61.0 | 2.4 | 1.3 | No |
| R359(K1881) | Multi-Family | 61.1 | 62.2 | 61.8 | 0.7 | -0.4 | 61.6 | 62.7 | 62.5 | 0.9 | -0.2 | No |
| R360(KV1908) | Vacant | 65.3 | 66.4 | 67.2 | 1.9 | 0.8 | 65.8 | 66.9 | 67.9 | 2.1 | 1.0 | Yes |
| R361(K773) | Single-Family | 68.5 | 69.5 | 73.2 | 4.7 | 3.7 | 69.3 | 70.4 | 74.3 | 5.0 | 3.9 | Yes |
| R362(K769) | Single-Family | 68.9 | 69.9 | 74.3 | 5.4 | 4.4 | 69.7 | 70.8 | 75.5 | 5.8 | 4.7 | Yes |
| R363(K766) | Single-Family | 71.5 | 72.5 | N/A | N/A | N/A | 72.3 | 73.4 | N/A | N/A | N/A | N/A |
| R364(K1889) | Single-Family | 62.7 | 63.8 | 62.3 | -0.4 | -1.5 | 63.3 | 64.4 | 63.1 | -0.2 | -1.3 | No |
| R365(K1908) | Single-Family | 70.3 | 71.4 | 70.8 | 0.5 | -0.6 | 70.8 | 71.9 | 71.5 | 0.7 | -0.4 | Yes |
| R366(K1893) | Multi-Family | 62.4 | 63.4 | 62.4 | 0.0 | -1.0 | 62.9 | 64.0 | 63.3 | 0.4 | -0.7 | No |
| R367(K1917) | Multi-Family | 70.1 | 71.1 | 70.5 | 0.4 | -0.6 | 70.6 | 71.7 | 71.2 | 0.6 | -0.5 | Yes |
| R368(K1884) | Single-Family | 54.1 | 55.2 | 55.7 | 1.6 | 0.5 | 54.5 | 55.6 | 56.5 | 2.0 | 0.9 | No |
| R369(K1898) | Multi-Family | 60.0 | 61.0 | 60.5 | 0.5 | -0.5 | 60.5 | 61.6 | 61.4 | 0.9 | -0.2 | No |
| R370(K1923) | Multi-Family | 68.6 | 69.7 | 69.6 | 1.0 | -0.1 | 69.1 | 70.2 | 70.3 | 1.2 | 0.1 | Yes |
| R371(KV1923) | Vacant | 67.0 | 68.0 | 67.4 | 0.4 | -0.6 | 67.4 | 68.5 | 68.0 | 0.6 | -0.5 | Yes |
| R372(K7) | Single-Family | 60.2 | 61.3 | 59.5 | -0.7 | -1.8 | 60.8 | 61.9 | 60.3 | -0.5 | -1.6 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R373(K1936) | Multi-Family | 69.3 | 70.3 | 69.9 | 0.6 | -0.4 | 69.8 | 70.8 | 70.6 | 0.8 | -0.2 | Yes |
| R374(K1907) | Multi-Family | 56.2 | 57.3 | 59.3 | 3.1 | 2.0 | 56.6 | 57.7 | 59.9 | 3.3 | 2.2 | No |
| R375(K1924) | Razed | 53.1 | 54.2 | 55.9 | 2.8 | 1.7 | 53.6 | 54.7 | 56.5 | 2.9 | 1.8 | No |
| R376(K1939) | Single-Family | 69.0 | 70.1 | 69.1 | 0.1 | -1.0 | 69.5 | 70.6 | 69.7 | 0.2 | -0.9 | Yes |
| R377(K1929) | Razed | 54.3 | 55.4 | 56.4 | 2.1 | 1.0 | 54.8 | 55.9 | 57.0 | 2.2 | 1.1 | No |
| R378(K1945) | Multi-Family | 67.0 | 68.0 | 68.0 | 1.0 | 0.0 | 67.5 | 68.5 | 68.7 | 1.2 | 0.2 | Yes |
| R379(K1934) | Single-Family | 62.5 | 63.5 | 62.6 | 0.1 | -0.9 | 62.9 | 64.0 | 63.3 | 0.4 | -0.7 | No |
| R380(K1934 R-51) | Single-Family | 65.5 | 66.6 | 64.9 | -0.6 | -1.7 | 66.1 | 67.2 | 65.8 | -0.3 | -1.4 | Yes |
| R381(K696) | Single-Family | 65.1 | 66.2 | 66.5 | 1.4 | 0.3 | 65.7 | 66.8 | 67.2 | 1.5 | 0.4 | Yes |
| R382(K689) | Single-Family | 62.6 | 63.6 | 64.1 | 1.5 | 0.5 | 63.1 | 64.2 | 64.7 | 1.6 | 0.5 | No |
| R383(K691) | Single-Family | 62.4 | 63.4 | 63.9 | 1.5 | 0.5 | 62.9 | 64.0 | 64.5 | 1.6 | 0.5 | No |
| R384(K695) | Single-Family | 63.1 | 64.1 | 64.5 | 1.4 | 0.4 | 63.6 | 64.7 | 65.2 | 1.6 | 0.5 | No |
| M-26(K697) | Single-Family | 71.0 | 72.0 | 71.4 | 0.4 | -0.6 | 71.4 | 72.4 | 72.0 | 0.6 | -0.4 | Yes |
| R385(K694 R-52) | Single-Family | 66.4 | 67.1 | 68.2 | 1.8 | 1.1 | 67.0 | 67.8 | 68.8 | 1.8 | 1.0 | Yes |
| R386(K988) | Multi-Family | 48.3 | 49.3 | 51.4 | 3.1 | 2.1 | 49.0 | 50.1 | 52.3 | 3.3 | 2.2 | No |
| R387(K978) | Single-Family | 48.3 | 49.3 | 51.5 | 3.2 | 2.2 | 49.0 | 50.1 | 52.4 | 3.4 | 2.3 | No |
| R388(K997) | Multi-Family | 50.0 | 51.0 | 53.5 | 3.5 | 2.5 | 50.8 | 51.9 | 54.5 | 3.7 | 2.6 | No |
| R389(K987) | Single-Family | 56.0 | 57.0 | 58.9 | 2.9 | 1.9 | 56.8 | 57.9 | 59.9 | 3.1 | 2.0 | No |
| R390(K995) | Multi-Family | 55.2 | 56.2 | 58.2 | 3.0 | 2.0 | 56.1 | 57.1 | 59.1 | 3.0 | 2.0 | No |
| R391(K980) | Single-Family | 57.1 | 58.1 | 59.3 | 2.2 | 1.2 | 58.0 | 59.0 | 60.2 | 2.2 | 1.2 | No |
| R392(K1012) | Single-Family | 54.7 | 55.7 | 58.2 | 3.5 | 2.5 | 55.4 | 56.5 | 59.2 | 3.8 | 2.7 | No |
| R393(K811) | Single-Family | 56.4 | 57.5 | 60.5 | 4.1 | 3.0 | 57.2 | 58.2 | 61.4 | 4.2 | 3.2 | No |
| R394(K959) | Single-Family | 61.5 | 62.5 | 61.8 | 0.3 | -0.7 | 62.3 | 63.3 | 62.7 | 0.4 | -0.6 | No |
| R395(K971) | Single-Family | 59.9 | 60.9 | 61.1 | 1.2 | 0.2 | 60.7 | 61.8 | 61.9 | 1.2 | 0.1 | No |
| R396(KV811) | Vacant | 65.8 | 66.8 | 67.8 | 2.0 | 1.0 | 66.5 | 67.5 | 68.7 | 2.2 | 1.2 | Yes |
| R397(K802) | Multi-Family | 62.0 | 63.0 | 64.2 | 2.2 | 1.2 | 62.6 | 63.7 | 65.2 | 2.6 | 1.5 | No |
| R398(K804) | Single-Family | 60.1 | 61.2 | 62.7 | 2.6 | 1.5 | 60.7 | 61.8 | 63.7 | 3.0 | 1.9 | No |
| R399(K961) | Single-Family | 63.9 | 64.9 | 64.3 | 0.4 | -0.6 | 64.7 | 65.7 | 65.2 | 0.5 | -0.5 | No |
| R400(K949) | Single-Family | 66.8 | 67.9 | 67.6 | 0.8 | -0.3 | 67.6 | 68.7 | 68.5 | 0.9 | -0.2 | Yes |
| R401(K798) | Multi-Family | 62.0 | 63.0 | 64.3 | 2.3 | 1.3 | 62.6 | 63.7 | 65.3 | 2.7 | 1.6 | No |
| R402(K796) | Multi-Family | 62.2 | 63.3 | 64.5 | 2.3 | 1.2 | 62.9 | 64.0 | 65.5 | 2.6 | 1.5 | No |
| R403(K931) | Single-Family | 69.5 | 70.6 | 69.5 | 0.0 | -1.1 | 70.3 | 71.3 | 70.5 | 0.2 | -0.8 | Yes |
| R404(K1019) | Multi-Family | 61.2 | 62.3 | 63.9 | 2.7 | 1.6 | 61.9 | 63.0 | 64.9 | 3.0 | 1.9 | No |
| R405(K1016) | Multi-Family | 61.3 | 62.3 | 64.0 | 2.7 | 1.7 | 62.0 | 63.1 | 65.0 | 3.0 | 1.9 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R406(K928) | Single-Family | 70.6 | 71.6 | 71.0 | 0.4 | -0.6 | 71.3 | 72.4 | 72.0 | 0.7 | -0.4 | Yes |
| R407(K1013) | Multi-Family | 60.9 | 61.9 | 63.6 | 2.7 | 1.7 | 61.6 | 62.6 | 64.6 | 3.0 | 2.0 | No |
| R408(K834) | Multi-Family | 60.4 | 61.4 | 63.5 | 3.1 | 2.1 | 61.2 | 62.2 | 64.5 | 3.3 | 2.3 | No |
| R409(K1010) | Multi-Family | 62.1 | 63.1 | 64.2 | 2.1 | 1.1 | 62.8 | 63.8 | 65.2 | 2.4 | 1.4 | No |
| R410(K1009) | Multi-Family | 63.1 | 64.1 | 65.4 | 2.3 | 1.3 | 63.8 | 64.9 | 66.3 | 2.5 | 1.4 | Yes |
| R411(K989) | Single-Family | 66.3 | 67.3 | 68.5 | 2.2 | 1.2 | 67.0 | 68.1 | 69.5 | 2.5 | 1.4 | Yes |
| R412(K1272) | Restaurant/Bar | 59.4 | 60.3 | 60.4 | 1.0 | 0.1 | 60.0 | 60.9 | 61.4 | 1.4 | 0.5 | No |
| R413(K833) | Multi-Family | 61.2 | 62.2 | 64.4 | 3.2 | 2.2 | 62.0 | 63.0 | 65.4 | 3.4 | 2.4 | No |
| R414(K1005) | Single-Family | 68.7 | 69.7 | 70.3 | 1.6 | 0.6 | 69.4 | 70.4 | 71.3 | 1.9 | 0.9 | Yes |
| R415(K829) | Single-Family | 62.8 | 63.8 | 65.8 | 3.0 | 2.0 | 63.5 | 64.6 | 66.8 | 3.3 | 2.2 | Yes |
| R416(K1032) | Single-Family | 54.3 | 55.3 | 57.6 | 3.3 | 2.3 | 55.0 | 56.1 | 58.6 | 3.6 | 2.5 | No |
| R417(K999) | Single-Family | 72.2 | 73.2 | 72.7 | 0.5 | -0.5 | 72.9 | 74.0 | 73.7 | 0.8 | -0.3 | Yes |
| R418(K847) | Single-Family | 61.4 | 62.5 | 64.7 | 3.3 | 2.2 | 62.2 | 63.3 | 65.7 | 3.5 | 2.4 | Yes |
| R419(K828) | Single-Family | 63.3 | 64.3 | 66.2 | 2.9 | 1.9 | 64.1 | 65.1 | 67.3 | 3.2 | 2.2 | Yes |
| R420(K1038) | Single-Family | 54.0 | 55.0 | 57.6 | 3.6 | 2.6 | 54.7 | 55.8 | 58.6 | 3.9 | 2.8 | No |
| R421(K581) | Multi-Family | 70.2 | 71.2 | 71.4 | 1.2 | 0.2 | 70.6 | 71.7 | 72.2 | 1.6 | 0.5 | Yes |
| R422(K582) | Single-Family | 71.4 | 72.4 | 72.5 | 1.1 | 0.1 | 71.8 | 72.9 | 73.3 | 1.5 | 0.4 | Yes |
| R423(K584) | Single-Family | 73.0 | 74.0 | 74.1 | 1.1 | 0.1 | 73.5 | 74.5 | 74.9 | 1.4 | 0.4 | Yes |
| R424(K825) | Single-Family | 63.8 | 64.9 | 66.7 | 2.9 | 1.8 | 64.6 | 65.7 | 67.7 | 3.1 | 2.0 | Yes |
| R425(K575) | Single-Family | 69.3 | 70.3 | 70.5 | 1.2 | 0.2 | 69.8 | 70.8 | 71.3 | 1.5 | 0.5 | Yes |
| R426(K824) | Single-Family | 64.8 | 65.9 | 67.6 | 2.8 | 1.7 | 65.6 | 66.7 | 68.6 | 3.0 | 1.9 | Yes |
| R427(K821) | Single-Family | 65.1 | 66.1 | 67.7 | 2.6 | 1.6 | 65.8 | 66.9 | 68.7 | 2.9 | 1.8 | Yes |
| R428(K1048) | Single-Family | 56.0 | 57.0 | 59.1 | 3.1 | 2.1 | 56.7 | 57.7 | 60.1 | 3.4 | 2.4 | No |
| R429(K850) | Single-Family | 64.8 | 65.8 | 67.7 | 2.9 | 1.9 | 65.6 | 66.7 | 68.7 | 3.1 | 2.0 | Yes |
| R430(K574) | Single-Family | 68.2 | 69.2 | 69.5 | 1.3 | 0.3 | 68.6 | 69.7 | 70.3 | 1.7 | 0.6 | Yes |
| R431(K572) | Single-Family | 67.8 | 68.8 | 69.1 | 1.3 | 0.3 | 68.3 | 69.3 | 70.0 | 1.7 | 0.7 | Yes |
| R432(K1054) | Single-Family | 58.9 | 59.9 | 61.8 | 2.9 | 1.9 | 59.6 | 60.7 | 62.8 | 3.2 | 2.1 | No |
| R433(K1020) | Multi-Family | 65.2 | 66.2 | 68.0 | 2.8 | 1.8 | 66.0 | 67.1 | 69.1 | 3.1 | 2.0 | Yes |
| R434(K817) | Single-Family | 66.4 | 67.4 | 68.7 | 2.3 | 1.3 | 67.2 | 68.3 | 69.7 | 2.5 | 1.4 | Yes |
| R435(K864) | Single-Family | 61.4 | 62.5 | 64.6 | 3.2 | 2.1 | 62.2 | 63.3 | 65.6 | 3.4 | 2.3 | Yes |
| R436(K1026) | Single-Family | 65.9 | 66.9 | 68.6 | 2.7 | 1.7 | 66.7 | 67.7 | 69.6 | 2.9 | 1.9 | Yes |
| R437(K571) | Multi-Family | 67.0 | 68.0 | 68.4 | 1.4 | 0.4 | 67.5 | 68.5 | 69.2 | 1.7 | 0.7 | Yes |
| R438(K812) | Single-Family | 65.9 | 66.9 | 68.2 | 2.3 | 1.3 | 66.7 | 67.7 | 69.2 | 2.5 | 1.5 | Yes |
| R439(K954 R-53) | Razed | 73.2 | 74.2 | 74.5 | 1.3 | 0.3 | 73.7 | 74.7 | 75.2 | 1.5 | 0.5 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R440(K813) | Single-Family | 66.6 | 67.7 | 68.8 | 2.2 | 1.1 | 67.5 | 68.5 | 69.8 | 2.3 | 1.3 | Yes |
| R441(K1030) | Single-Family | 65.8 | 66.9 | 68.6 | 2.8 | 1.7 | 66.7 | 67.7 | 69.6 | 2.9 | 1.9 | Yes |
| R442(K569) | Single-Family | 66.3 | 67.3 | 67.8 | 1.5 | 0.5 | 66.8 | 67.9 | 68.6 | 1.8 | 0.7 | Yes |
| R443(K806) | Single-Family | 70.2 | 71.2 | 72.3 | 2.1 | 1.1 | 71.0 | 72.1 | 73.3 | 2.3 | 1.2 | Yes |
| R444(K814) | Single-Family | 69.9 | 70.9 | 72.0 | 2.1 | 1.1 | 70.7 | 71.8 | 73.0 | 2.3 | 1.2 | Yes |
| R445(K1035) | Multi-Family | 65.8 | 66.8 | 68.5 | 2.7 | 1.7 | 66.6 | 67.7 | 69.6 | 3.0 | 1.9 | Yes |
| R446(K803) | Single-Family | 70.5 | 71.5 | 72.6 | 2.1 | 1.1 | 71.3 | 72.4 | 73.6 | 2.3 | 1.2 | Yes |
| R447(K938) | Razed | 71.2 | 72.2 | 72.3 | 1.1 | 0.1 | 71.7 | 72.7 | 73.1 | 1.4 | 0.4 | Yes |
| R448(K799) | Single-Family | 70.9 | 71.9 | 72.7 | 1.8 | 0.8 | 71.7 | 72.8 | 73.7 | 2.0 | 0.9 | Yes |
| R449(K872) | Single-Family | 59.8 | 60.8 | 62.6 | 2.8 | 1.8 | 60.6 | 61.6 | 63.6 | 3.0 | 2.0 | No |
| R450(K566) | Single-Family | 66.3 | 67.3 | 67.9 | 1.6 | 0.6 | 66.9 | 67.9 | 68.7 | 1.8 | 0.8 | Yes |
| R451(KV903) | Vacant | 68.3 | 69.3 | 70.3 | 2.0 | 1.0 | 69.1 | 70.1 | 71.2 | 2.1 | 1.1 | Yes |
| R452(K941) | Multi-Family | 69.0 | 70.0 | 70.2 | 1.2 | 0.2 | 69.5 | 70.6 | 71.0 | 1.5 | 0.4 | Yes |
| R453(K797) | Single-Family | 72.2 | 73.2 | 72.5 | 0.3 | -0.7 | 73.1 | 74.1 | 73.6 | 0.5 | -0.5 | Yes |
| R454(K932) | Single-Family | 65.4 | 66.4 | 67.1 | 1.7 | 0.7 | 66.0 | 67.1 | 68.0 | 2.0 | 0.9 | Yes |
| R455(K1017) | Single-Family | 73.4 | 74.5 | 73.1 | -0.3 | -1.4 | 74.2 | 75.3 | 74.1 | -0.1 | -1.2 | Yes |
| R456(K1007) | Single-Family | 73.3 | 74.3 | 74.3 | 1.0 | 0.0 | 73.8 | 74.8 | 75.1 | 1.3 | 0.3 | Yes |
| R457(K860) | Single-Family | 65.9 | 66.9 | 67.6 | 1.7 | 0.7 | 66.5 | 67.5 | 68.4 | 1.9 | 0.9 | Yes |
| R458(K875) | Undeveloped Land | 57.7 | 58.7 | 61.0 | 3.3 | 2.3 | 58.5 | 59.5 | 62.1 | 3.6 | 2.6 | No |
| R459(K1043) | Multi-Family | 65.8 | 66.8 | 68.6 | 2.8 | 1.8 | 66.7 | 67.8 | 69.6 | 2.9 | 1.8 | Yes |
| R460(K1532) | Single-Family | 46.4 | 47.4 | 48.5 | 2.1 | 1.1 | 47.2 | 48.2 | 49.4 | 2.2 | 1.2 | No |
| R461(K1006) | Single-Family | 71.3 | 72.3 | 72.4 | 1.1 | 0.1 | 71.8 | 72.9 | 73.2 | 1.4 | 0.3 | Yes |
| R462(K1000) | Single-Family | 70.2 | 71.2 | 71.5 | 1.3 | 0.3 | 70.7 | 71.8 | 72.3 | 1.6 | 0.5 | Yes |
| R463(K1004) | Single-Family | 70.6 | 71.7 | 71.8 | 1.2 | 0.1 | 71.2 | 72.2 | 72.6 | 1.4 | 0.4 | Yes |
| R464(K996) | Single-Family | 69.4 | 70.4 | 70.9 | 1.5 | 0.5 | 69.9 | 71.0 | 71.7 | 1.8 | 0.7 | Yes |
| R465(K1502) | Multi-Family | 39.6 | 40.6 | 41.2 | 1.6 | 0.6 | 40.5 | 41.5 | 42.3 | 1.8 | 0.8 | No |
| R466(K1050) | Multi-Family | 66.0 | 67.0 | 68.7 | 2.7 | 1.7 | 66.9 | 67.9 | 69.7 | 2.8 | 1.8 | Yes |
| R467(K929) | Single-Family | 64.3 | 65.3 | 66.3 | 2.0 | 1.0 | 65.1 | 66.1 | 67.1 | 2.0 | 1.0 | Yes |
| R468(K1545) | Multi-Family | 48.0 | 49.0 | 49.6 | 1.6 | 0.6 | 48.9 | 49.9 | 50.7 | 1.8 | 0.8 | No |
| R469(KV91) | Vacant | 56.3 | 57.3 | 59.3 | 3.0 | 2.0 | 56.9 | 58.0 | 60.2 | 3.3 | 2.2 | No |
| R470(K859) | Single-Family | 65.5 | 66.5 | 67.1 | 1.6 | 0.6 | 66.0 | 67.1 | 67.9 | 1.9 | 0.8 | Yes |
| R471(K994) | Single-Family | 68.9 | 69.9 | 70.5 | 1.6 | 0.6 | 69.5 | 70.5 | 71.3 | 1.8 | 0.8 | Yes |
| R472(KV903) | Vacant | 68.7 | 69.7 | 70.8 | 2.1 | 1.1 | 69.4 | 70.5 | 71.7 | 2.3 | 1.2 | Yes |
| R473(K1506) | Multi-Family | 47.2 | 48.2 | 46.7 | -0.5 | -1.5 | 48.1 | 49.1 | 47.8 | -0.3 | -1.3 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R474(KV91) | Vacant | 57.3 | 58.3 | 60.3 | 3.0 | 2.0 | 57.9 | 59.0 | 61.2 | 3.3 | 2.2 | No |
| R475(K925) | Single-Family | 63.3 | 64.3 | 65.3 | 2.0 | 1.0 | 64.1 | 65.1 | 66.1 | 2.0 | 1.0 | Yes |
| M-36(K1573) | School | 70.4 | 71.4 | 74.6 | 4.2 | 3.2 | 71.2 | 72.2 | 75.5 | 4.3 | 3.3 | Yes |
| R476(K1520) | Multi-Family | 47.5 | 48.5 | 49.5 | 2.0 | 1.0 | 48.4 | 49.4 | 50.4 | 2.0 | 1.0 | No |
| R477(K1560) | Multi-Family | 48.1 | 49.0 | 49.8 | 1.7 | 0.8 | 49.0 | 50.0 | 50.7 | 1.7 | 0.7 | No |
| M-27(K1007) | Single-Family | 73.9 | 74.9 | 74.9 | 1.0 | 0.0 | 74.3 | 75.4 | 75.7 | 1.4 | 0.3 | Yes |
| R478(K856) | Single-Family | 65.2 | 66.2 | 66.9 | 1.7 | 0.7 | 65.8 | 66.8 | 67.8 | 2.0 | 1.0 | Yes |
| R480(K861) | Multi-Family | 66.5 | 67.5 | 69.1 | 2.6 | 1.6 | 67.4 | 68.4 | 70.2 | 2.8 | 1.8 | Yes |
| R481(K1509) | Multi-Family | 53.1 | 54.1 | 54.0 | 0.9 | -0.1 | 53.9 | 54.9 | 55.0 | 1.1 | 0.1 | No |
| R482(K792) | Single-Family | 65.0 | 66.0 | 66.7 | 1.7 | 0.7 | 65.5 | 66.6 | 67.6 | 2.1 | 1.0 | Yes |
| R483(K1179) | Single-Family | 50.2 | 51.2 | 52.1 | 1.9 | 0.9 | 50.8 | 51.9 | 53.1 | 2.3 | 1.2 | No |
| R484(K1981) | Razed | 41.7 | 42.7 | 42.7 | 1.0 | 0.0 | 42.6 | 43.6 | 43.6 | 1.0 | 0.0 | No |
| R485(KV1061) | Vacant | 68.9 | 69.9 | 71.1 | 2.2 | 1.2 | 69.7 | 70.7 | 72.0 | 2.3 | 1.3 | Yes |
| R486(K1191) | Multi-Family | 46.5 | 47.5 | 48.1 | 1.6 | 0.6 | 47.4 | 48.4 | 49.1 | 1.7 | 0.7 | No |
| R487(K1533) | Multi-Family | 53.0 | 54.0 | 51.4 | -1.6 | -2.6 | 53.9 | 54.9 | 52.8 | -1.1 | -2.1 | No |
| R488(K863) | Single-Family | 67.0 | 68.0 | 69.6 | 2.6 | 1.6 | 67.8 | 68.9 | 70.6 | 2.8 | 1.7 | Yes |
| R489(K924) | Single-Family | 62.6 | 63.6 | 64.7 | 2.1 | 1.1 | 63.3 | 64.4 | 65.6 | 2.3 | 1.2 | Yes |
| R490(K1171) | Single-Family | 44.9 | 45.9 | 46.0 | 1.1 | 0.1 | 45.6 | 46.6 | 46.9 | 1.3 | 0.3 | No |
| R491(K1187) | Single-Family | 34.5 | 35.5 | 36.4 | 1.9 | 0.9 | 35.2 | 36.3 | 37.5 | 2.3 | 1.2 | No |
| R492(K1180) | Single-Family | 44.1 | 45.1 | 45.9 | 1.8 | 0.8 | 45.0 | 46.0 | 46.7 | 1.7 | 0.7 | No |
| R493(K1559) | Multi-Family | 51.7 | 52.7 | 52.5 | 0.8 | -0.2 | 52.5 | 53.5 | 53.4 | 0.9 | -0.1 | No |
| R494(K1568) | Multi-Family | 52.3 | 53.3 | 53.2 | 0.9 | -0.1 | 53.3 | 54.3 | 54.1 | 0.8 | -0.2 | No |
| R495(K1615) | Single-Family | 73.9 | 74.9 | 75.7 | 1.8 | 0.8 | 74.5 | 75.5 | 76.3 | 1.8 | 0.8 | Yes |
| R496(K2006) | Single-Family | 62.8 | 63.8 | 64.8 | 2.0 | 1.0 | 63.1 | 64.1 | 65.5 | 2.4 | 1.4 | No |
| M-38(K1609) | Single-Family | 72.7 | 73.7 | 74.2 | 1.5 | 0.5 | 73.2 | 74.2 | 74.7 | 1.5 | 0.5 | Yes |
| R497(K790) | Single-Family | 64.4 | 65.4 | 66.1 | 1.7 | 0.7 | 64.9 | 66.0 | 67.0 | 2.1 | 1.0 | Yes |
| R498(K869) | Multi-Family | 67.0 | 68.0 | 69.7 | 2.7 | 1.7 | 67.9 | 68.9 | 70.7 | 2.8 | 1.8 | Yes |
| R499(K1172) | Single-Family | 43.7 | 44.7 | 45.7 | 2.0 | 1.0 | 44.5 | 45.5 | 46.5 | 2.0 | 1.0 | No |
| R500(K1620) | Single-Family | 73.0 | 74.0 | 75.2 | 2.2 | 1.2 | 73.6 | 74.6 | 75.8 | 2.2 | 1.2 | Yes |
| R501(K2004) | Single-Family | 65.3 | 66.3 | 67.9 | 2.6 | 1.6 | 65.7 | 66.7 | 68.7 | 3.0 | 2.0 | Yes |
| R502(K2005) | Single-Family | 64.6 | 65.6 | 67.3 | 2.7 | 1.7 | 64.9 | 65.9 | 68.1 | 3.2 | 2.2 | Yes |
| R503(K1622) | Single-Family | 72.8 | 73.8 | 75.0 | 2.2 | 1.2 | 73.3 | 74.3 | 75.6 | 2.3 | 1.3 | Yes |
| R504(K1630) | Single-Family | 71.9 | 72.9 | 74.1 | 2.2 | 1.2 | 72.4 | 73.4 | 74.7 | 2.3 | 1.3 | Yes |
| R505(K1674) | Single-Family | 66.8 | 67.8 | 69.5 | 2.7 | 1.7 | 67.1 | 68.2 | 70.3 | 3.2 | 2.1 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| M-31(K1979) | Multi-Family | 68.6 | 69.6 | 69.4 | 0.8 | -0.2 | 68.7 | 69.7 | 69.5 | 0.8 | -0.2 | Yes |
| R506(K927) | Single-Family | 63.6 | 64.6 | 65.8 | 2.2 | 1.2 | 64.4 | 65.4 | 66.7 | 2.3 | 1.3 | Yes |
| R507(K1564) | Multi-Family | 61.6 | 62.5 | 61.3 | -0.3 | -1.2 | 62.2 | 63.2 | 62.2 | 0.0 | -1.0 | No |
| R508(K1627) | Single-Family | 72.2 | 73.2 | 74.4 | 2.2 | 1.2 | 72.7 | 73.7 | 75.0 | 2.3 | 1.3 | Yes |
| R509(K1573) | School | 68.3 | 69.3 | 70.7 | 2.4 | 1.4 | 69.0 | 70.0 | 71.1 | 2.1 | 1.1 | Yes |
| R510(K1670 R-61) | Multi-Family | 67.9 | 68.9 | 70.8 | 2.9 | 1.9 | 68.3 | 69.3 | 71.5 | 3.2 | 2.2 | Yes |
| R511(K789) | Single-Family | 64.1 | 65.0 | 65.9 | 1.8 | 0.9 | 64.6 | 65.6 | 66.8 | 2.2 | 1.2 | Yes |
| R512(K1642) | Single-Family | 70.4 | 71.4 | 73.0 | 2.6 | 1.6 | 70.9 | 71.9 | 73.7 | 2.8 | 1.8 | Yes |
| R513(K899) | Single-Family | 60.2 | 61.2 | 63.4 | 3.2 | 2.2 | 61.1 | 62.2 | 64.4 | 3.3 | 2.2 | No |
| R514(K1174) | Single-Family | 46.3 | 47.3 | 47.8 | 1.5 | 0.5 | 47.1 | 48.1 | 48.6 | 1.5 | 0.5 | No |
| R515(K1569) | Multi-Family | 63.6 | 64.6 | 63.5 | -0.1 | -1.1 | 64.3 | 65.2 | 64.2 | -0.1 | -1.0 | No |
| R516(K1638) | Single-Family | 70.4 | 71.4 | 72.8 | 2.4 | 1.4 | 70.9 | 71.9 | 73.5 | 2.6 | 1.6 | Yes |
| R517(K1652) | Single-Family | 68.2 | 69.2 | 70.9 | 2.7 | 1.7 | 68.6 | 69.6 | 71.6 | 3.0 | 2.0 | Yes |
| R518(K1665) | Single-Family | 68.2 | 69.3 | 71.1 | 2.9 | 1.8 | 68.7 | 69.7 | 71.8 | 3.1 | 2.1 | Yes |
| R519(K2012) | Multi-Family | 56.2 | 57.1 | 57.0 | 0.8 | -0.1 | 56.3 | 57.2 | 57.5 | 1.2 | 0.3 | No |
| R520(K2014) | Multi-Family | 58.4 | 59.2 | 58.9 | 0.5 | -0.3 | 58.4 | 59.3 | 59.3 | 0.9 | 0.0 | No |
| R521(KV1061) | Vacant | 69.4 | 70.4 | 71.6 | 2.2 | 1.2 | 70.2 | 71.2 | 72.5 | 2.3 | 1.3 | Yes |
| M-35(K1503) | Multi-Family | 69.9 | 70.9 | 70.6 | 0.7 | -0.3 | 70.7 | 71.7 | 71.3 | 0.6 | -0.4 | Yes |
| R522(K922) | Single-Family | 62.5 | 63.5 | 64.9 | 2.4 | 1.4 | 63.3 | 64.4 | 65.9 | 2.6 | 1.5 | Yes |
| R523(K1578) | Multi-Family | 58.3 | 59.3 | 58.3 | 0.0 | -1.0 | 59.1 | 60.1 | 59.2 | 0.1 | -0.9 | No |
| R524(K881) | Single-Family | 63.4 | 64.4 | 66.1 | 2.7 | 1.7 | 64.2 | 65.2 | 67.0 | 2.8 | 1.8 | Yes |
| R525(K1570) | Multi-Family | 69.1 | 70.1 | 69.6 | 0.5 | -0.5 | 69.7 | 70.6 | 70.2 | 0.5 | -0.4 | Yes |
| R526(K2009) | Multi-Family | 55.7 | 56.6 | 56.5 | 0.8 | -0.1 | 55.9 | 56.9 | 57.2 | 1.3 | 0.3 | No |
| R527(K2011) | Multi-Family | 55.6 | 56.5 | 56.7 | 1.1 | 0.2 | 55.7 | 56.7 | 57.4 | 1.7 | 0.7 | No |
| M-30(K1176) | Single-Family | 65.6 | 66.6 | 68.0 | 2.4 | 1.4 | 66.0 | 67.0 | 68.4 | 2.4 | 1.4 | Yes |
| R528(K903) | Single-Family | 59.9 | 60.9 | 63.3 | 3.4 | 2.4 | 60.9 | 61.9 | 64.3 | 3.4 | 2.4 | No |
| R529(K921) | Single-Family | 62.1 | 63.1 | 64.8 | 2.7 | 1.7 | 62.9 | 64.0 | 65.7 | 2.8 | 1.7 | Yes |
| R530(K1181) | Single-Family | 51.7 | 52.7 | 53.7 | 2.0 | 1.0 | 52.6 | 53.5 | 54.5 | 1.9 | 1.0 | No |
| R531(K1621) | Single-Family | 68.4 | 69.4 | 70.6 | 2.2 | 1.2 | 68.9 | 69.9 | 71.2 | 2.3 | 1.3 | Yes |
| R532(K2008) | Multi-Family | 55.6 | 56.6 | 56.2 | 0.6 | -0.4 | 55.9 | 56.8 | 57.0 | 1.1 | 0.2 | No |
| M-37(K1616) | Single-Family | 67.2 | 68.3 | 69.1 | 1.9 | 0.8 | 67.6 | 68.6 | 69.8 | 2.2 | 1.2 | Yes |
| R533(K2007) | Multi-Family | 56.8 | 57.8 | 57.7 | 0.9 | -0.1 | 57.0 | 58.0 | 58.5 | 1.5 | 0.5 | No |
| R534(K879) | Single-Family | 68.7 | 69.7 | 70.9 | 2.2 | 1.2 | 69.5 | 70.5 | 72.0 | 2.5 | 1.5 | Yes |
| R535(K1705) | Multi-Family | 56.6 | 57.6 | 58.6 | 2.0 | 1.0 | 56.9 | 57.9 | 59.4 | 2.5 | 1.5 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R536(K2024) | Multi-Family | 60.7 | 61.4 | 61.2 | 0.5 | -0.2 | 60.9 | 61.7 | 61.5 | 0.6 | -0.2 | No |
| R537(K85) | Single-Family | 65.4 | 66.4 | 67.3 | 1.9 | 0.9 | 66.4 | 67.4 | 68.2 | 1.8 | 0.8 | Yes |
| R538(K1602) | Single-Family | 68.5 | 69.4 | 70.3 | 1.8 | 0.9 | 69.3 | 70.3 | 70.9 | 1.6 | 0.6 | Yes |
| R539(K1611) | Single-Family | 62.9 | 63.9 | 64.8 | 1.9 | 0.9 | 64.0 | 65.0 | 65.8 | 1.8 | 0.8 | Yes |
| R540(K1624) | Single-Family | 66.8 | 67.8 | 68.9 | 2.1 | 1.1 | 67.3 | 68.3 | 69.6 | 2.3 | 1.3 | Yes |
| M-28(K879) | Single-Family | 73.9 | 74.9 | 75.9 | 2.0 | 1.0 | 74.7 | 75.8 | 77.0 | 2.3 | 1.2 | Yes |
| R541(K1629) | Single-Family | 64.7 | 65.7 | 66.9 | 2.2 | 1.2 | 65.3 | 66.3 | 67.6 | 2.3 | 1.3 | Yes |
| R542(K1632) | Single-Family | 62.7 | 63.7 | 64.9 | 2.2 | 1.2 | 63.2 | 64.2 | 65.7 | 2.5 | 1.5 | Yes |
| R543(K886) | Multi-Family | 66.6 | 67.6 | 69.8 | 3.2 | 2.2 | 67.5 | 68.5 | 70.9 | 3.4 | 2.4 | Yes |
| R544(K917) | Multi-Family | 61.4 | 62.4 | 64.3 | 2.9 | 1.9 | 62.3 | 63.4 | 65.3 | 3.0 | 1.9 | No |
| R545(K1608) | Single-Family | 71.1 | 72.1 | 73.3 | 2.2 | 1.2 | 72.0 | 72.9 | 73.9 | 1.9 | 1.0 | Yes |
| R546(K1613) | Single-Family | 60.4 | 61.3 | 63.0 | 2.6 | 1.7 | 61.4 | 62.4 | 64.1 | 2.7 | 1.7 | No |
| R547(K1637) | Single-Family | 61.3 | 62.3 | 63.5 | 2.2 | 1.2 | 61.7 | 62.7 | 64.3 | 2.6 | 1.6 | No |
| R548(K1699) | Multi-Family | 57.3 | 58.3 | 59.5 | 2.2 | 1.2 | 57.7 | 58.6 | 60.4 | 2.7 | 1.8 | No |
| R549(KV1077) | Vacant | 69.7 | 70.7 | 71.9 | 2.2 | 1.2 | 70.5 | 71.5 | 72.9 | 2.4 | 1.4 | Yes |
| R550(K1695) | Multi-Family | 58.8 | 59.8 | 61.1 | 2.3 | 1.3 | 59.1 | 60.1 | 62.0 | 2.9 | 1.9 | No |
| R551(K2019) | Single-Family | 53.9 | 54.8 | 54.7 | 0.8 | -0.1 | 54.3 | 55.2 | 55.3 | 1.0 | 0.1 | No |
| R552(K2023) | Single-Family | 55.7 | 56.6 | 56.3 | 0.6 | -0.3 | 56.1 | 57.0 | 56.9 | 0.8 | -0.1 | No |
| R553(K2031) | Multi-Family | 58.8 | 59.6 | 59.5 | 0.7 | -0.1 | 59.2 | 60.0 | 59.9 | 0.7 | -0.1 | No |
| R554(K1677) | Single-Family | 59.5 | 60.5 | 61.6 | 2.1 | 1.1 | 59.9 | 60.9 | 62.5 | 2.6 | 1.6 | No |
| R555(K1687) | Multi-Family | 59.3 | 60.3 | 61.4 | 2.1 | 1.1 | 59.7 | 60.7 | 62.2 | 2.5 | 1.5 | No |
| R556(K2018) | Single-Family | 52.1 | 53.0 | 53.4 | 1.3 | 0.4 | 52.4 | 53.4 | 54.1 | 1.7 | 0.7 | No |
| R557(K2037) | Multi-Family | 66.5 | 67.1 | 66.3 | -0.2 | -0.8 | 67.9 | 68.5 | 67.9 | 0.0 | -0.6 | Yes |
| R558(K1626) | Single-Family | 57.7 | 58.7 | 61.2 | 3.5 | 2.5 | 58.7 | 59.7 | 62.2 | 3.5 | 2.5 | No |
| R559(K1648) | Single-Family | 60.1 | 61.1 | 62.6 | 2.5 | 1.5 | 60.5 | 61.5 | 63.4 | 2.9 | 1.9 | No |
| R560(K1668) | Single-Family | 59.7 | 60.7 | 62.3 | 2.6 | 1.6 | 60.1 | 61.1 | 63.1 | 3.0 | 2.0 | No |
| R561(K1672) | Single-Family | 60.0 | 61.0 | 62.2 | 2.2 | 1.2 | 60.3 | 61.3 | 63.0 | 2.7 | 1.7 | No |
| R562(K2013) | Single-Family | 51.6 | 52.5 | 52.4 | 0.8 | -0.1 | 51.8 | 52.8 | 53.1 | 1.3 | 0.3 | No |
| R563(K2015) | Single-Family | 52.0 | 53.0 | 53.2 | 1.2 | 0.2 | 52.4 | 53.3 | 54.0 | 1.6 | 0.7 | No |
| R564(K918) | Multi-Family | 60.5 | 61.5 | 63.7 | 3.2 | 2.2 | 61.4 | 62.5 | 64.8 | 3.4 | 2.3 | No |
| R565(K1713) | Single-Family | 51.4 | 52.4 | 52.2 | 0.8 | -0.2 | 51.7 | 52.7 | 52.9 | 1.2 | 0.2 | No |
| R566(K2038) | Single-Family | 62.8 | 63.4 | 59.6 | -3.2 | -3.8 | 63.1 | 63.7 | 60.4 | -2.7 | -3.3 | No |
| R567(K1552) | Single-Family | 62.1 | 63.1 | 64.5 | 2.4 | 1.4 | 62.5 | 63.5 | 65.4 | 2.9 | 1.9 | No |
| R568(K1561) | Single-Family | 61.7 | 62.7 | 64.9 | 3.2 | 2.2 | 62.0 | 63.0 | 65.8 | 3.8 | 2.8 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R569(K1712) | Single-Family | 51.9 | 52.9 | 52.7 | 0.8 | -0.2 | 52.2 | 53.2 | 53.4 | 1.2 | 0.2 | No |
| R570(K2036) | Multi-Family | 58.7 | 59.6 | 58.4 | -0.3 | -1.2 | 59.3 | 60.2 | 59.1 | -0.2 | -1.1 | No |
| R571(K1547 R-58) | Single-Family | 62.4 | 63.4 | 64.5 | 2.1 | 1.1 | 62.8 | 63.7 | 65.4 | 2.6 | 1.7 | No |
| R572(K1635) | Single-Family | 55.9 | 56.9 | 58.6 | 2.7 | 1.7 | 56.3 | 57.3 | 59.4 | 3.1 | 2.1 | No |
| R573(K1617) | Single-Family | 67.0 | 68.0 | 69.3 | 2.3 | 1.3 | 67.9 | 68.8 | 70.0 | 2.1 | 1.2 | Yes |
| R574(K891) | Single-Family | 70.2 | 71.2 | 72.8 | 2.6 | 1.6 | 71.0 | 72.1 | 73.8 | 2.8 | 1.7 | Yes |
| R575(K1540) | Single-Family | 62.2 | 63.2 | 64.0 | 1.8 | 0.8 | 62.6 | 63.6 | 64.8 | 2.2 | 1.2 | No |
| R576(K1597) | Multi-Family | 36.0 | 37.0 | 37.2 | 1.2 | 0.2 | 36.8 | 37.8 | 38.2 | 1.4 | 0.4 | No |
| R577(K1623) | Single-Family | 64.4 | 65.4 | 67.0 | 2.6 | 1.6 | 65.2 | 66.2 | 67.8 | 2.6 | 1.6 | Yes |
| R578(K1634) | Single-Family | 59.0 | 60.0 | 60.8 | 1.8 | 0.8 | 59.4 | 60.4 | 61.6 | 2.2 | 1.2 | No |
| R579(K1710) | Single-Family | 52.8 | 53.8 | 54.0 | 1.2 | 0.2 | 53.1 | 54.1 | 54.8 | 1.7 | 0.7 | No |
| R580(K2034) | Multi-Family | 53.8 | 54.7 | 54.9 | 1.1 | 0.2 | 54.4 | 55.3 | 55.7 | 1.3 | 0.4 | No |
| M-33(K1581) | Single-Family | 73.0 | 74.0 | 75.3 | 2.3 | 1.3 | 73.3 | 74.2 | 75.8 | 2.5 | 1.6 | Yes |
| R581(K1708) | Single-Family | 52.7 | 53.6 | 54.3 | 1.6 | 0.7 | 53.0 | 54.0 | 55.1 | 2.1 | 1.1 | No |
| M-34(K1604) | Multi-Family | 51.7 | 52.7 | 51.8 | 0.1 | -0.9 | 52.3 | 53.3 | 52.5 | 0.2 | -0.8 | No |
| R582(K1061) | Single-Family | 60.7 | 61.7 | 64.5 | 3.8 | 2.8 | 61.8 | 62.9 | 65.5 | 3.7 | 2.6 | No |
| R583(K1628) | Single-Family | 62.2 | 63.2 | 65.0 | 2.8 | 1.8 | 63.0 | 64.0 | 65.7 | 2.7 | 1.7 | Yes |
| R584(K1641) | Single-Family | 56.7 | 57.7 | 57.8 | 1.1 | 0.1 | 57.1 | 58.1 | 58.6 | 1.5 | 0.5 | No |
| R585(K1706) | Single-Family | 53.4 | 54.3 | 55.2 | 1.8 | 0.9 | 53.7 | 54.7 | 56.0 | 2.3 | 1.3 | No |
| R586(K2030) | Multi-Family | 51.7 | 52.6 | 53.1 | 1.4 | 0.5 | 52.2 | 53.1 | 53.8 | 1.6 | 0.7 | No |
| R587(K1704) | Single-Family | 54.3 | 55.3 | 56.5 | 2.2 | 1.2 | 54.7 | 55.7 | 57.3 | 2.6 | 1.6 | No |
| R588(KV1089) | Vacant | 70.2 | 71.2 | 72.6 | 2.4 | 1.4 | 71.0 | 72.0 | 73.6 | 2.6 | 1.6 | Yes |
| R589(K1631) | Single-Family | 60.8 | 61.8 | 63.6 | 2.8 | 1.8 | 61.6 | 62.6 | 64.3 | 2.7 | 1.7 | No |
| R590(K1651) | Single-Family | 56.7 | 57.7 | 58.5 | 1.8 | 0.8 | 57.1 | 58.1 | 59.4 | 2.3 | 1.3 | No |
| R591(K1666) | Single-Family | 56.3 | 57.3 | 58.2 | 1.9 | 0.9 | 56.7 | 57.7 | 59.1 | 2.4 | 1.4 | No |
| R592(K1682) | Single-Family | 56.6 | 57.6 | 58.6 | 2.0 | 1.0 | 57.0 | 58.0 | 59.5 | 2.5 | 1.5 | No |
| R593(K1691) | Single-Family | 55.7 | 56.7 | 58.0 | 2.3 | 1.3 | 56.1 | 57.1 | 58.9 | 2.8 | 1.8 | No |
| R594(K1698) | Single-Family | 54.3 | 55.3 | 56.6 | 2.3 | 1.3 | 54.7 | 55.7 | 57.5 | 2.8 | 1.8 | No |
| R595(K1581) | Single-Family | 71.6 | 72.6 | 74.6 | 3.0 | 2.0 | 72.0 | 72.9 | 75.1 | 3.1 | 2.2 | Yes |
| R596(K1591) | Multi-Family | 36.4 | 37.3 | 37.4 | 1.0 | 0.1 | 37.4 | 38.4 | 38.7 | 1.3 | 0.3 | No |
| R597(K1636) | Single-Family | 60.6 | 61.6 | 63.2 | 2.6 | 1.6 | 61.3 | 62.3 | 64.0 | 2.7 | 1.7 | No |
| R598(K1694) | Single-Family | 54.6 | 55.6 | 57.0 | 2.4 | 1.4 | 55.0 | 56.0 | 57.9 | 2.9 | 1.9 | No |
| R599(K2021) | Multi-Family | 52.5 | 53.4 | 53.6 | 1.1 | 0.2 | 52.9 | 53.9 | 54.3 | 1.4 | 0.4 | No |
| R600(K2027) | Multi-Family | 52.4 | 53.4 | 53.6 | 1.2 | 0.2 | 52.8 | 53.8 | 54.4 | 1.6 | 0.6 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R601(K1590) | Multi-Family | 39.7 | 40.6 | 40.4 | 0.7 | -0.2 | 40.7 | 41.7 | 41.6 | 0.9 | -0.1 | No |
| R602(K849) | Single-Family | 72.3 | 73.3 | 73.7 | 1.4 | 0.4 | 72.9 | 73.9 | 74.5 | 1.6 | 0.6 | Yes |
| R603(K904) | Single-Family | 71.1 | 72.1 | 73.7 | 2.6 | 1.6 | 72.0 | 73.0 | 74.7 | 2.7 | 1.7 | Yes |
| R604(K1643) | Single-Family | 61.3 | 62.2 | 63.4 | 2.1 | 1.2 | 61.8 | 62.8 | 64.2 | 2.4 | 1.4 | No |
| R605(K1718) | Multi-Family | 52.7 | 53.7 | 53.7 | 1.0 | 0.0 | 53.1 | 54.1 | 54.4 | 1.3 | 0.3 | No |
| R606(K1610) | Multi-Family | 55.7 | 56.7 | 56.1 | 0.4 | -0.6 | 56.2 | 57.2 | 56.7 | 0.5 | -0.5 | No |
| R607(K1717) | Multi-Family | 52.6 | 53.6 | 53.8 | 1.2 | 0.2 | 53.1 | 54.0 | 54.5 | 1.4 | 0.5 | No |
| R608(K819) | Single-Family | 69.4 | 70.4 | 71.2 | 1.8 | 0.8 | 70.1 | 71.2 | 72.1 | 2.0 | 0.9 | Yes |
| R609(K848) | Single-Family | 70.9 | 71.9 | 72.3 | 1.4 | 0.4 | 71.5 | 72.5 | 73.1 | 1.6 | 0.6 | Yes |
| R610(K1594) | Recreation | 41.9 | 42.9 | 43.2 | 1.3 | 0.3 | 42.8 | 43.8 | 44.3 | 1.5 | 0.5 | No |
| R611(K1612) | Multi-Family | 50.8 | 51.8 | 52.8 | 2.0 | 1.0 | 51.6 | 52.6 | 53.5 | 1.9 | 0.9 | No |
| R612(K1716) | Single-Family | 53.3 | 54.3 | 54.2 | 0.9 | -0.1 | 53.7 | 54.7 | 54.9 | 1.2 | 0.2 | No |
| R613(K1583) | Single-Family | 59.2 | 60.2 | 62.9 | 3.7 | 2.7 | 59.5 | 60.5 | 63.8 | 4.3 | 3.3 | No |
| R614(K1585) | Single-Family | 58.8 | 59.8 | 62.6 | 3.8 | 2.8 | 59.2 | 60.1 | 63.5 | 4.3 | 3.4 | No |
| R615(K1600) | Multi-Family | 48.4 | 49.4 | 49.3 | 0.9 | -0.1 | 49.3 | 50.3 | 50.4 | 1.1 | 0.1 | No |
| R616(K1601) | Multi-Family | 42.7 | 43.7 | 43.7 | 1.0 | 0.0 | 43.6 | 44.6 | 44.8 | 1.2 | 0.2 | No |
| R617(K841) | Single-Family | 69.9 | 70.9 | 71.5 | 1.6 | 0.6 | 70.5 | 71.5 | 72.3 | 1.8 | 0.8 | Yes |
| R618(K1558) | Single-Family | 62.1 | 63.1 | 63.6 | 1.5 | 0.5 | 62.3 | 63.3 | 64.4 | 2.1 | 1.1 | No |
| R619(K1567) | Single-Family | 61.3 | 62.3 | 63.2 | 1.9 | 0.9 | 61.6 | 62.5 | 64.1 | 2.5 | 1.6 | No |
| R620(K1596) | Multi-Family | 49.2 | 50.2 | 50.6 | 1.4 | 0.4 | 50.1 | 51.1 | 51.7 | 1.6 | 0.6 | No |
| R621(K1572 R-59) | Single-Family | 61.3 | 62.2 | 63.6 | 2.3 | 1.4 | 61.5 | 62.5 | 64.4 | 2.9 | 1.9 | No |
| R622(K907) | Single-Family | 71.4 | 72.4 | 73.9 | 2.5 | 1.5 | 72.3 | 73.3 | 74.9 | 2.6 | 1.6 | Yes |
| R623(K1554) | Single-Family | 62.2 | 63.2 | 63.5 | 1.3 | 0.3 | 62.4 | 63.4 | 64.3 | 1.9 | 0.9 | No |
| R624(K1565) | Single-Family | 61.7 | 62.7 | 63.7 | 2.0 | 1.0 | 61.9 | 62.9 | 64.5 | 2.6 | 1.6 | No |
| R625(K1575) | Single-Family | 60.9 | 61.9 | 63.4 | 2.5 | 1.5 | 61.2 | 62.2 | 64.2 | 3.0 | 2.0 | No |
| R626(K1563) | Single-Family | 61.8 | 62.8 | 63.4 | 1.6 | 0.6 | 62.0 | 63.0 | 64.3 | 2.3 | 1.3 | No |
| R627(K1577) | Single-Family | 61.0 | 62.0 | 63.4 | 2.4 | 1.4 | 61.3 | 62.2 | 64.3 | 3.0 | 2.1 | No |
| R628(K1077) | Single-Family | 65.0 | 66.0 | 68.6 | 3.6 | 2.6 | 66.1 | 67.1 | 69.6 | 3.5 | 2.5 | Yes |
| R629(K1550) | Single-Family | 62.2 | 63.2 | 63.6 | 1.4 | 0.4 | 62.4 | 63.4 | 64.4 | 2.0 | 1.0 | No |
| R630(K1058) | Single-Family | 71.9 | 72.9 | 74.3 | 2.4 | 1.4 | 72.8 | 73.9 | 75.3 | 2.5 | 1.4 | Yes |
| R631(K1544) | Single-Family | 62.1 | 63.1 | 63.5 | 1.4 | 0.4 | 62.3 | 63.3 | 64.3 | 2.0 | 1.0 | No |
| R632(K1079) | Single-Family | 66.8 | 67.8 | 70.4 | 3.6 | 2.6 | 67.8 | 68.9 | 71.5 | 3.7 | 2.6 | Yes |
| R633(K843) | Single-Family | 67.9 | 68.9 | 69.5 | 1.6 | 0.6 | 68.5 | 69.6 | 70.4 | 1.9 | 0.8 | Yes |
| R634(K1538) | Single-Family | 61.9 | 62.9 | 63.2 | 1.3 | 0.3 | 62.2 | 63.1 | 64.0 | 1.8 | 0.9 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R635(K1062) | Single-Family | 72.5 | 73.5 | 74.7 | 2.2 | 1.2 | 73.4 | 74.4 | 75.8 | 2.4 | 1.4 | Yes |
| R636(K840) | Single-Family | 67.3 | 68.3 | 69.2 | 1.9 | 0.9 | 68.0 | 69.1 | 70.0 | 2.0 | 0.9 | Yes |
| R637(K1617 R-60) | Single-Family | 66.0 | 66.9 | 67.7 | 1.7 | 0.8 | 66.7 | 67.7 | 68.4 | 1.7 | 0.7 | Yes |
| R638(K1065) | Single-Family | 73.2 | 74.2 | 75.3 | 2.1 | 1.1 | 74.1 | 75.2 | 76.3 | 2.2 | 1.1 | Yes |
| R639(K1089) | Single-Family | 70.4 | 71.4 | 73.5 | 3.1 | 2.1 | 71.3 | 72.4 | 74.6 | 3.3 | 2.2 | Yes |
| R640(K1069) | Single-Family | 73.7 | 74.7 | 75.7 | 2.0 | 1.0 | 74.6 | 75.7 | 76.8 | 2.2 | 1.1 | Yes |
| R641(K1530) | Single-Family | 61.5 | 62.5 | 62.9 | 1.4 | 0.4 | 61.8 | 62.8 | 63.7 | 1.9 | 0.9 | No |
| R642(K1075 R-54) | Single-Family | 74.4 | 75.4 | 76.4 | 2.0 | 1.0 | 75.3 | 76.3 | 77.5 | 2.2 | 1.2 | Yes |
| R643(K1041) | Single-Family | 71.9 | 72.9 | 73.5 | 1.6 | 0.6 | 72.5 | 73.6 | 74.3 | 1.8 | 0.7 | Yes |
| R644(K1036) | Single-Family | 70.8 | 71.8 | 72.4 | 1.6 | 0.6 | 71.4 | 72.5 | 73.2 | 1.8 | 0.7 | Yes |
| R645(K1033) | Multi-Family | 65.7 | 66.7 | 68.1 | 2.4 | 1.4 | 66.4 | 67.5 | 68.9 | 2.5 | 1.4 | Yes |
| R646(K1053) | Single-Family | 64.6 | 65.6 | 67.5 | 2.9 | 1.9 | 65.4 | 66.4 | 68.4 | 3.0 | 2.0 | Yes |
| R647(K1037) | Multi-Family | 67.6 | 68.6 | 69.7 | 2.1 | 1.1 | 68.3 | 69.4 | 70.6 | 2.3 | 1.2 | Yes |
| R648(K1522) | Single-Family | 60.9 | 61.9 | 62.0 | 1.1 | 0.1 | 61.3 | 62.2 | 62.8 | 1.5 | 0.6 | No |
| R649(K1027) | Multi-Family | 64.8 | 65.8 | 67.3 | 2.5 | 1.5 | 65.6 | 66.6 | 68.1 | 2.5 | 1.5 | Yes |
| R650(K1116) | Vacant | 67.7 | 68.7 | 68.2 | 0.5 | -0.5 | 68.3 | 69.4 | 68.8 | 0.5 | -0.6 | Yes |
| R651(K594) | Single-Family | 66.9 | 67.9 | 67.1 | 0.2 | -0.8 | 67.6 | 68.6 | 67.9 | 0.3 | -0.7 | Yes |
| R652(K1023) | Single-Family | 60.6 | 61.6 | 63.7 | 3.1 | 2.1 | 61.4 | 62.4 | 64.6 | 3.2 | 2.2 | No |
| R653(K884) | Single-Family | 66.8 | 67.8 | 69.9 | 3.1 | 2.1 | 67.4 | 68.5 | 71.0 | 3.6 | 2.5 | Yes |
| R654(K1039) | Single-Family | 63.3 | 64.3 | 66.0 | 2.7 | 1.7 | 64.2 | 65.3 | 67.1 | 2.9 | 1.8 | Yes |
| R655(K1121 R-56) | Single-Family | 66.3 | 67.3 | 67.0 | 0.7 | -0.3 | 67.1 | 68.1 | 67.8 | 0.7 | -0.3 | Yes |
| R656(K882) | Single-Family | 59.6 | 60.6 | 62.4 | 2.8 | 1.8 | 60.2 | 61.2 | 63.3 | 3.1 | 2.1 | No |
| R657(K1123) | Single-Family | 65.7 | 66.7 | 66.9 | 1.2 | 0.2 | 66.5 | 67.5 | 67.7 | 1.2 | 0.2 | Yes |
| R658(K883) | Single-Family | 62.4 | 63.4 | 65.6 | 3.2 | 2.2 | 63.2 | 64.2 | 66.6 | 3.4 | 2.4 | Yes |
| M-29(K1148) | Single-Family | 65.0 | 66.0 | 69.1 | 4.1 | 3.1 | 65.8 | 66.8 | 70.1 | 4.3 | 3.3 | Yes |
| R659(K876) | Single-Family | 62.5 | 63.5 | 65.5 | 3.0 | 2.0 | 63.3 | 64.4 | 66.5 | 3.2 | 2.1 | Yes |
| R660(K1167) | Church | 69.0 | 70.0 | 72.2 | 3.2 | 2.2 | 70.0 | 71.0 | 73.1 | 3.1 | 2.1 | Yes |
| R661(K1766) | Single-Family | 59.6 | 60.6 | 59.9 | 0.3 | -0.7 | 60.1 | 61.1 | 60.8 | 0.7 | -0.3 | No |
| R662(K1168) | Multi-Family | 68.4 | 69.3 | 71.8 | 3.4 | 2.5 | 69.4 | 70.4 | 72.7 | 3.3 | 2.3 | Yes |
| R663(K598) | Single-Family | 61.4 | 62.4 | 65.1 | 3.7 | 2.7 | 62.3 | 63.3 | 66.1 | 3.8 | 2.8 | Yes |
| M-32(K1983) | Multi-Family | 59.0 | 60.0 | 60.2 | 1.2 | 0.2 | 59.7 | 60.7 | 61.0 | 1.3 | 0.3 | No |
| R664(K1125) | Single-Family | 64.6 | 65.6 | 65.9 | 1.3 | 0.3 | 65.5 | 66.5 | 66.7 | 1.2 | 0.2 | Yes |
| R665(K1989) | Single-Family | 59.3 | 60.3 | 59.6 | 0.3 | -0.7 | 59.7 | 60.7 | 60.4 | 0.7 | -0.3 | No |
| R666(K878) | Single-Family | 62.0 | 63.0 | 65.2 | 3.2 | 2.2 | 62.8 | 63.9 | 66.2 | 3.4 | 2.3 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R667(K1983) | Multi-Family | 58.5 | 59.4 | 59.8 | 1.3 | 0.4 | 59.2 | 60.2 | 60.6 | 1.4 | 0.4 | No |
| R668(K595) | Single-Family | 63.0 | 64.0 | 63.6 | 0.6 | -0.4 | 63.6 | 64.6 | 64.4 | 0.8 | -0.2 | No |
| R669(K877) | Single-Family | 61.8 | 62.8 | 65.0 | 3.2 | 2.2 | 62.6 | 63.6 | 66.1 | 3.5 | 2.5 | Yes |
| R670(K1129) | Single-Family | 64.1 | 65.1 | 65.7 | 1.6 | 0.6 | 65.0 | 66.0 | 66.5 | 1.5 | 0.5 | Yes |
| R671(K1183 R-57) | Multi-Family | 61.6 | 62.6 | 63.8 | 2.2 | 1.2 | 62.5 | 63.5 | 64.7 | 2.2 | 1.2 | No |
| R672(K600) | Single-Family | 60.6 | 61.6 | 64.0 | 3.4 | 2.4 | 61.4 | 62.4 | 64.9 | 3.5 | 2.5 | No |
| R673(K874) | Single-Family | 61.6 | 62.6 | 64.9 | 3.3 | 2.3 | 62.4 | 63.4 | 66.0 | 3.6 | 2.6 | Yes |
| R674(K1132) | Single-Family | 63.7 | 64.7 | 65.1 | 1.4 | 0.4 | 64.7 | 65.7 | 66.0 | 1.3 | 0.3 | Yes |
| R675(K873) | Single-Family | 58.0 | 59.0 | 61.7 | 3.7 | 2.7 | 58.8 | 59.9 | 62.7 | 3.9 | 2.8 | No |
| R676(K1117) | Single-Family | 60.3 | 61.3 | 61.3 | 1.0 | 0.0 | 61.1 | 62.1 | 62.1 | 1.0 | 0.0 | No |
| R677(K1150) | Single-Family | 60.2 | 61.2 | 63.5 | 3.3 | 2.3 | 60.9 | 62.0 | 64.4 | 3.5 | 2.4 | No |
| R678(K1136) | Single-Family | 63.1 | 64.1 | 64.6 | 1.5 | 0.5 | 64.1 | 65.1 | 65.5 | 1.4 | 0.4 | No |
| R679(K1152) | Single-Family | 60.0 | 61.1 | 62.9 | 2.9 | 1.8 | 60.8 | 61.8 | 63.8 | 3.0 | 2.0 | No |
| R680(K898) | Multi-Family | 63.1 | 64.1 | 66.4 | 3.3 | 2.3 | 63.9 | 65.0 | 67.5 | 3.6 | 2.5 | Yes |
| R681(K1139) | Single-Family | 62.0 | 63.0 | 63.9 | 1.9 | 0.9 | 63.1 | 64.1 | 64.9 | 1.8 | 0.8 | No |
| R682(K104) | Multi-Family | 63.5 | 64.5 | 66.9 | 3.4 | 2.4 | 64.3 | 65.4 | 68.0 | 3.7 | 2.6 | Yes |
| R683(K1120) | Single-Family | 58.8 | 59.8 | 59.1 | 0.3 | -0.7 | 59.7 | 60.7 | 60.0 | 0.3 | -0.7 | No |
| R684(K905) | Multi-Family | 63.6 | 64.6 | 67.3 | 3.7 | 2.7 | 64.5 | 65.5 | 68.3 | 3.8 | 2.8 | Yes |
| R685(K1153) | Single-Family | 60.3 | 61.3 | 62.6 | 2.3 | 1.3 | 61.1 | 62.1 | 63.4 | 2.3 | 1.3 | No |
| R686(K1142) | Single-Family | 60.5 | 61.5 | 62.6 | 2.1 | 1.1 | 61.6 | 62.6 | 63.5 | 1.9 | 0.9 | No |
| R687(K908) | Single-Family | 63.8 | 64.8 | 67.4 | 3.6 | 2.6 | 64.6 | 65.7 | 68.4 | 3.8 | 2.7 | Yes |
| R688(K13) | Single-Family | 59.7 | 60.7 | 60.8 | 1.1 | 0.1 | 60.5 | 61.5 | 61.6 | 1.1 | 0.1 | No |
| R689(K1059) | Single-Family | 63.2 | 64.2 | 66.9 | 3.7 | 2.7 | 64.0 | 65.1 | 67.9 | 3.9 | 2.8 | Yes |
| R690(K1124) | Single-Family | 56.5 | 57.5 | 57.1 | 0.6 | -0.4 | 57.5 | 58.5 | 58.0 | 0.5 | -0.5 | No |
| R691(K1063) | Single-Family | 63.1 | 64.1 | 66.6 | 3.5 | 2.5 | 63.9 | 64.9 | 67.6 | 3.7 | 2.7 | Yes |
| R692(K1145) | Single-Family | 59.4 | 60.4 | 60.9 | 1.5 | 0.5 | 60.6 | 61.6 | 61.8 | 1.2 | 0.2 | No |
| R693(K1130) | Single-Family | 55.6 | 56.6 | 56.1 | 0.5 | -0.5 | 56.6 | 57.6 | 57.0 | 0.4 | -0.6 | No |
| R694(K1080) | Undeveloped Land | 62.7 | 63.7 | 65.8 | 3.1 | 2.1 | 63.6 | 64.6 | 66.8 | 3.2 | 2.2 | Yes |
| R695(K1119) | Single-Family | 56.3 | 57.3 | 58.3 | 2.0 | 1.0 | 56.9 | 58.0 | 59.2 | 2.3 | 1.2 | No |
| R696(K1085) | Undeveloped Land | 62.8 | 63.8 | 66.1 | 3.3 | 2.3 | 63.7 | 64.8 | 67.1 | 3.4 | 2.3 | Yes |
| R697(K1090) | Undeveloped Land | 62.9 | 63.9 | 66.2 | 3.3 | 2.3 | 63.8 | 64.8 | 67.2 | 3.4 | 2.4 | Yes |
| R698(K1135) | Single-Family | 54.3 | 55.3 | 54.9 | 0.6 | -0.4 | 55.3 | 56.3 | 55.9 | 0.6 | -0.4 | No |
| R699(K1095) | Multi-Family | 62.8 | 63.8 | 66.0 | 3.2 | 2.2 | 63.7 | 64.7 | 67.0 | 3.3 | 2.3 | Yes |
| R700(K1101 R-55) | Multi-Family | 62.2 | 63.2 | 64.9 | 2.7 | 1.7 | 63.1 | 64.1 | 65.9 | 2.8 | 1.8 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R701(K1138) | Single-Family | 52.3 | 53.3 | 53.5 | 1.2 | 0.2 | 53.4 | 54.5 | 54.4 | 1.0 | -0.1 | No |
| R702(K47) | Single-Family | 61.0 | 62.0 | 62.9 | 1.9 | 0.9 | 62.2 | 63.2 | 64.0 | 1.8 | 0.8 | No |
| R703(K1251) | Single-Family | 60.5 | 61.5 | 62.4 | 1.9 | 0.9 | 61.7 | 62.8 | 63.5 | 1.8 | 0.7 | No |
| R704(K46) | Single-Family | 61.3 | 62.3 | 63.2 | 1.9 | 0.9 | 62.5 | 63.6 | 64.3 | 1.8 | 0.7 | No |
| R705(K48) | Single-Family | 61.2 | 62.2 | 63.0 | 1.8 | 0.8 | 62.4 | 63.5 | 64.2 | 1.8 | 0.7 | No |
| R706(K1254) | Single-Family | 60.9 | 61.9 | 62.7 | 1.8 | 0.8 | 62.1 | 63.1 | 63.9 | 1.8 | 0.8 | No |
| R707(K44) | Single-Family | 62.0 | 63.0 | 63.9 | 1.9 | 0.9 | 63.2 | 64.2 | 65.0 | 1.8 | 0.8 | No |
| R708(K43) | Single-Family | 61.8 | 62.8 | 63.5 | 1.7 | 0.7 | 63.0 | 64.0 | 64.6 | 1.6 | 0.6 | No |
| R709(K1471) | Multi-Family | 62.3 | 63.3 | 64.7 | 2.4 | 1.4 | 63.4 | 64.4 | 65.8 | 2.4 | 1.4 | Yes |
| R710(K64) | Single-Family | 61.3 | 62.3 | 63.3 | 2.0 | 1.0 | 62.3 | 63.4 | 64.4 | 2.1 | 1.0 | No |
| R711(K1474) | Single-Family | 63.7 | 64.8 | 65.7 | 2.0 | 0.9 | 64.8 | 65.8 | 66.7 | 1.9 | 0.9 | Yes |
| R712(K1304) | Single-Family | 66.3 | 67.3 | 68.1 | 1.8 | 0.8 | 67.0 | 68.0 | 68.9 | 1.9 | 0.9 | Yes |
| R713(K1267) | School | 71.3 | 72.3 | 73.3 | 2.0 | 1.0 | 72.6 | 73.6 | 74.5 | 1.9 | 0.9 | Yes |
| R714(K1493) | Multi-Family | 68.4 | 69.4 | 71.1 | 2.7 | 1.7 | 69.5 | 70.5 | 72.2 | 2.7 | 1.7 | Yes |
| R715(K1481) | Multi-Family | 66.2 | 67.2 | 68.2 | 2.0 | 1.0 | 67.2 | 68.3 | 69.3 | 2.1 | 1.0 | Yes |
| R716(K1302) | Single-Family | 66.3 | 67.3 | 68.0 | 1.7 | 0.7 | 66.9 | 67.9 | 68.9 | 2.0 | 1.0 | Yes |
| R717(K1266) | Office | 71.9 | 72.9 | 74.3 | 2.4 | 1.4 | 73.1 | 74.2 | 75.5 | 2.4 | 1.3 | Yes |
| R718(K1295) | Single-Family | 64.6 | 65.6 | 66.0 | 1.4 | 0.4 | 65.2 | 66.2 | 66.9 | 1.7 | 0.7 | Yes |
| R719(K1291) | Single-Family | 61.3 | 62.3 | 62.0 | 0.7 | -0.3 | 61.9 | 62.9 | 62.9 | 1.0 | 0.0 | No |
| R720(K1262) | Office | 70.8 | 71.8 | 73.4 | 2.6 | 1.6 | 72.0 | 73.1 | 74.6 | 2.6 | 1.5 | Yes |
| R721(K1381) | Restaurant/Bar | 58.7 | 59.7 | 61.5 | 2.8 | 1.8 | 59.6 | 60.6 | 62.4 | 2.8 | 1.8 | No |
| R722(K1404) | Office | 58.4 | 59.4 | 62.1 | 3.7 | 2.7 | 59.3 | 60.3 | 63.0 | 3.7 | 2.7 | No |
| R723(K1405) | Medical Facility | 58.4 | 59.5 | 62.9 | 4.5 | 3.4 | 59.3 | 60.4 | 63.9 | 4.6 | 3.5 | No |
| R724(K1415) | Single-Family | 53.9 | 54.9 | 58.5 | 4.6 | 3.6 | 54.7 | 55.7 | 59.5 | 4.8 | 3.8 | No |
| R725(K1264) | Single-Family | 72.2 | 73.3 | 74.8 | 2.6 | 1.5 | 73.4 | 74.5 | 76.0 | 2.6 | 1.5 | Yes |
| R726(K1487) | Single-Family | 68.1 | 69.1 | 70.0 | 1.9 | 0.9 | 69.1 | 70.2 | 71.1 | 2.0 | 0.9 | Yes |
| R727(K2068) | Office | 70.6 | 71.6 | 73.3 | 2.7 | 1.7 | 71.8 | 72.8 | 74.5 | 2.7 | 1.7 | Yes |
| R728(K1419) | Single-Family | 58.3 | 59.3 | 61.3 | 3.0 | 2.0 | 59.2 | 60.3 | 62.3 | 3.1 | 2.0 | No |
| R729(K1422) | Single-Family | 58.1 | 59.1 | 61.8 | 3.7 | 2.7 | 59.0 | 60.1 | 62.7 | 3.7 | 2.6 | No |
| R730(K1311) | Office | 70.9 | 71.9 | 69.8 | -1.1 | -2.1 | 71.4 | 72.4 | 71.0 | -0.4 | -1.4 | Yes |
| R731(K1429) | Single-Family | 58.2 | 59.2 | 61.4 | 3.2 | 2.2 | 59.1 | 60.2 | 62.3 | 3.2 | 2.1 | No |
| R732(K65) | Single-Family | 58.8 | 59.8 | 63.1 | 4.3 | 3.3 | 59.7 | 60.8 | 64.0 | 4.3 | 3.2 | No |
| R734(K1201) | Multi-Family | 72.0 | 73.0 | 74.3 | 2.3 | 1.3 | 73.1 | 74.1 | 75.4 | 2.3 | 1.3 | Yes |
| R735(K1339) | Hotel | 66.9 | 67.9 | 69.8 | 2.9 | 1.9 | 67.9 | 69.0 | 70.8 | 2.9 | 1.8 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|------------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R736(K2067) | Office | 73.9 | 74.9 | 75.3 | 1.4 | 0.4 | 75.1 | 76.2 | 76.5 | 1.4 | 0.3 | Yes |
| M-43(K1349) | Hotel | 76.8 | 77.8 | 78.3 | 1.5 | 0.5 | 77.8 | 78.8 | 79.3 | 1.5 | 0.5 | Yes |
| R737(K1323) | Office | 74.6 | 75.6 | 76.7 | 2.1 | 1.1 | 75.6 | 76.7 | 77.7 | 2.1 | 1.0 | Yes |
| R738(K1412) | Single-Family | 60.7 | 61.7 | 66.8 | 6.1 | 5.1 | 61.5 | 62.6 | 67.7 | 6.2 | 5.1 | Yes |
| R739(K1424) | Single-Family | 58.9 | 59.9 | 66.9 | 8.0 | 7.0 | 59.7 | 60.8 | 67.8 | 8.1 | 7.0 | Yes |
| R740(K1454) | Single-Family | 60.6 | 61.6 | 66.1 | 5.5 | 4.5 | 61.5 | 62.6 | 67.0 | 5.5 | 4.4 | Yes |
| R741(K1307 R-62) | Office | 68.7 | 69.7 | N/A | N/A | N/A | 69.0 | 70.0 | N/A | N/A | N/A | N/A |
| R742(K1450) | Office | 58.7 | 59.7 | 63.9 | 5.2 | 4.2 | 59.6 | 60.7 | 64.9 | 5.3 | 4.2 | No |
| R743(K1479) | Single-Family | 55.3 | 56.4 | 57.3 | 2.0 | 0.9 | 56.3 | 57.4 | 58.3 | 2.0 | 0.9 | No |
| R744(K1497) | Single-Family | 70.2 | 71.2 | 72.4 | 2.2 | 1.2 | 71.3 | 72.3 | 73.4 | 2.1 | 1.1 | Yes |
| R745(K1476) | Single-Family | 55.0 | 56.0 | 57.1 | 2.1 | 1.1 | 55.8 | 56.9 | 57.9 | 2.1 | 1.0 | No |
| R746(K1458) | Single-Family | 63.2 | 64.2 | 68.9 | 5.7 | 4.7 | 64.1 | 65.2 | 69.8 | 5.7 | 4.6 | Yes |
| R747(K1482) | Single-Family | 53.7 | 54.7 | 56.0 | 2.3 | 1.3 | 54.6 | 55.7 | 57.0 | 2.4 | 1.3 | No |
| R748(K2091) | Single-Family | 76.7 | 77.8 | 78.5 | 1.8 | 0.7 | 77.7 | 78.8 | 79.4 | 1.7 | 0.6 | Yes |
| R749(K1767) | Single-Family | 76.2 | 77.3 | 78.0 | 1.8 | 0.7 | 77.2 | 78.3 | 79.0 | 1.8 | 0.7 | Yes |
| R750(K1435) | Single-Family | 60.2 | 61.3 | 70.1 | 9.9 | 8.8 | 61.1 | 62.2 | 71.0 | 9.9 | 8.8 | Yes |
| R751(K1427) | Single-Family | 61.9 | 62.9 | 70.1 | 8.2 | 7.2 | 62.8 | 63.8 | 71.0 | 8.2 | 7.2 | Yes |
| R752(K1438) | Single-Family | 60.8 | 61.8 | 71.0 | 10.2 | 9.2 | 61.7 | 62.7 | 71.9 | 10.2 | 9.2 | Yes |
| R753(K1472) | Restaurant/Bar | 62.6 | 63.7 | 68.3 | 5.7 | 4.6 | 63.6 | 64.7 | 69.3 | 5.7 | 4.6 | No |
| R754(K1478) | Single-Family | 55.9 | 57.0 | 58.0 | 2.1 | 1.0 | 56.7 | 57.8 | 58.8 | 2.1 | 1.0 | No |
| R755(K1488) | Single-Family | 69.9 | 70.9 | 72.0 | 2.1 | 1.1 | 70.9 | 72.0 | 73.0 | 2.1 | 1.0 | Yes |
| R756(K2109B) | Single-Family | 75.9 | 77.0 | 77.7 | 1.8 | 0.7 | 76.9 | 78.0 | 78.7 | 1.8 | 0.7 | Yes |
| R757(K2105) | Single-Family | 73.4 | 74.4 | 75.2 | 1.8 | 0.8 | 74.4 | 75.5 | 76.2 | 1.8 | 0.7 | Yes |
| R758(K1448) | Single-Family | 62.0 | 63.1 | 72.0 | 10.0 | 8.9 | 62.9 | 64.0 | 72.9 | 10.0 | 8.9 | Yes |
| R760(K1433) | Single-Family | 62.3 | 63.3 | 70.6 | 8.3 | 7.3 | 63.2 | 64.2 | 71.5 | 8.3 | 7.3 | Yes |
| R761(K1483) | Single-Family | 56.9 | 58.0 | 58.7 | 1.8 | 0.7 | 57.7 | 58.7 | 59.5 | 1.8 | 0.8 | No |
| R762(K1455) | Single-Family | 63.7 | 64.7 | 73.7 | 10.0 | 9.0 | 64.7 | 65.7 | 74.6 | 9.9 | 8.9 | Yes |
| R763(K1485) | Single-Family | 58.2 | 59.3 | 59.9 | 1.7 | 0.6 | 59.0 | 60.1 | 60.8 | 1.8 | 0.7 | No |
| R764(KV2092) | Vacant | 73.3 | 74.3 | 75.0 | 1.7 | 0.7 | 74.4 | 75.4 | 76.1 | 1.7 | 0.7 | Yes |
| R765(K1459) | Single-Family | 63.6 | 64.6 | 75.0 | 11.4 | 10.4 | 64.5 | 65.5 | 76.0 | 11.5 | 10.5 | Yes |
| R766(K2085) | Single-Family | 74.6 | 75.7 | 76.4 | 1.8 | 0.7 | 75.6 | 76.7 | 77.4 | 1.8 | 0.7 | Yes |
| R767(K1491) | Single-Family | 54.3 | 55.4 | 56.8 | 2.5 | 1.4 | 55.2 | 56.3 | 57.8 | 2.6 | 1.5 | No |
| R768(K1437) | Single-Family | 62.1 | 63.1 | 72.8 | 10.7 | 9.7 | 63.0 | 64.1 | 73.9 | 10.9 | 9.8 | Yes |
| R769(K2119) | Single-Family | 71.3 | 72.4 | 73.5 | 2.2 | 1.1 | 72.4 | 73.5 | 74.5 | 2.1 | 1.0 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R770(K1489) | Single-Family | 59.4 | 60.5 | 60.8 | 1.4 | 0.3 | 60.2 | 61.3 | 61.6 | 1.4 | 0.3 | No |
| R771(K2101) | Single-Family | 68.1 | 69.2 | 70.1 | 2.0 | 0.9 | 69.2 | 70.3 | 71.1 | 1.9 | 0.8 | Yes |
| R772(K2109E) | Single-Family | 72.3 | 73.3 | 74.4 | 2.1 | 1.1 | 73.4 | 74.4 | 75.5 | 2.1 | 1.1 | Yes |
| R773(KV1469) | Vacant | 63.0 | 64.1 | 75.1 | 12.1 | 11.0 | 64.0 | 65.0 | 76.1 | 12.1 | 11.1 | Yes |
| R774(K1346) | Single-Family | 70.8 | 71.8 | 71.2 | 0.4 | -0.6 | 71.4 | 72.3 | 71.9 | 0.5 | -0.4 | Yes |
| R775(K1496) | Single-Family | 55.4 | 56.5 | 57.9 | 2.5 | 1.4 | 56.2 | 57.4 | 58.9 | 2.7 | 1.5 | No |
| R776(K2087) | Single-Family | 71.7 | 72.7 | 73.4 | 1.7 | 0.7 | 72.7 | 73.7 | 74.5 | 1.8 | 0.8 | Yes |
| R777(K2106) | Single-Family | 69.7 | 70.7 | 71.8 | 2.1 | 1.1 | 70.9 | 71.9 | 72.9 | 2.0 | 1.0 | Yes |
| M-41(K1318) | Single-Family | 70.6 | 71.7 | 75.1 | 4.5 | 3.4 | 71.1 | 72.1 | 75.8 | 4.7 | 3.7 | Yes |
| R778(K2104) | Single-Family | 70.6 | 71.6 | 72.7 | 2.1 | 1.1 | 71.7 | 72.8 | 73.8 | 2.1 | 1.0 | Yes |
| R779(K1195) | Single-Family | 69.5 | 70.5 | 71.7 | 2.2 | 1.2 | 70.6 | 71.6 | 72.7 | 2.1 | 1.1 | Yes |
| R780(K1383) | Single-Family | 71.6 | 72.6 | 72.0 | 0.4 | -0.6 | 72.1 | 73.1 | 72.7 | 0.6 | -0.4 | Yes |
| R781(K1456) | Single-Family | 63.0 | 64.1 | 77.2 | 14.2 | 13.1 | 64.0 | 65.0 | 78.2 | 14.2 | 13.2 | Yes |
| R782(K1495) | Medical Facility | 61.9 | 62.9 | 63.7 | 1.8 | 0.8 | 62.8 | 63.8 | 64.6 | 1.8 | 0.8 | No |
| R783(K1722C) | Single-Family | 69.7 | 70.8 | 71.8 | 2.1 | 1.0 | 70.9 | 71.9 | 72.7 | 1.8 | 0.8 | Yes |
| R784(K1769) | Single-Family | 68.8 | 69.9 | 71.2 | 2.4 | 1.3 | 69.9 | 70.9 | 72.2 | 2.3 | 1.3 | Yes |
| R785(K2083) | Single-Family | 76.1 | 77.2 | 77.9 | 1.8 | 0.7 | 77.1 | 78.1 | 78.8 | 1.7 | 0.7 | Yes |
| M-44(K75) | Multi-Family | 71.2 | 72.2 | 72.8 | 1.6 | 0.6 | 71.8 | 72.8 | 73.5 | 1.7 | 0.7 | Yes |
| M-44a(K75) | Multi-Family | 72.8 | 73.9 | 73.0 | 0.2 | -0.9 | 73.4 | 74.4 | 73.6 | 0.2 | -0.8 | Yes |
| M-46(K1469) | Single-Family | 65.5 | 66.5 | 78.6 | 13.1 | 12.1 | 66.5 | 67.5 | 79.6 | 13.1 | 12.1 | Yes |
| R786(K1194) | Multi-Family | 58.7 | 59.8 | 61.1 | 2.4 | 1.3 | 59.5 | 60.6 | 62.0 | 2.5 | 1.4 | No |
| R787(K2122) | Single-Family | 68.2 | 69.2 | 70.7 | 2.5 | 1.5 | 69.3 | 70.4 | 71.8 | 2.5 | 1.4 | Yes |
| R788(K1722B) | Single-Family | 69.0 | 70.1 | 71.0 | 2.0 | 0.9 | 70.2 | 71.2 | 71.9 | 1.7 | 0.7 | Yes |
| M-40(K1315) | Single-Family | 62.1 | 63.1 | 62.2 | 0.1 | -0.9 | 62.7 | 63.7 | 62.9 | 0.2 | -0.8 | No |
| M-42(K1348) | Single-Family | 64.3 | 65.3 | 68.8 | 4.5 | 3.5 | 65.0 | 65.9 | 69.5 | 4.5 | 3.6 | Yes |
| R789(K1319) | Single-Family | 64.3 | 65.3 | 63.6 | -0.7 | -1.7 | 64.9 | 65.9 | 64.4 | -0.5 | -1.5 | No |
| R790(K1360) | Single-Family | 71.2 | 72.2 | 73.4 | 2.2 | 1.2 | 71.9 | 72.9 | 74.2 | 2.3 | 1.3 | Yes |
| R791(K1365) | Single-Family | 69.5 | 70.6 | 70.6 | 1.1 | 0.0 | 70.1 | 71.1 | 71.3 | 1.2 | 0.2 | Yes |
| R792(K1421) | Single-Family | 74.5 | 75.5 | 76.5 | 2.0 | 1.0 | 75.3 | 76.3 | 77.3 | 2.0 | 1.0 | Yes |
| R793(KV2025) | Vacant | 62.2 | 63.2 | 63.0 | 0.8 | -0.2 | 62.7 | 63.7 | 63.9 | 1.2 | 0.2 | No |
| R794(KV1318) | Vacant | 66.4 | 67.4 | 70.5 | 4.1 | 3.1 | 67.2 | 68.2 | 71.3 | 4.1 | 3.1 | Yes |
| R795(K74) | Multi-Family | 69.3 | 70.3 | 68.8 | -0.5 | -1.5 | 69.9 | 70.8 | 69.5 | -0.4 | -1.3 | Yes |
| R796(K1341) | Single-Family | 71.1 | 72.1 | 74.1 | 3.0 | 2.0 | 71.7 | 72.7 | 74.9 | 3.2 | 2.2 | Yes |
| R797(K2124) | Single-Family | 68.2 | 69.2 | 70.7 | 2.5 | 1.5 | 69.3 | 70.4 | 71.8 | 2.5 | 1.4 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R798(K1326) | Single-Family | 62.3 | 63.3 | 62.3 | 0.0 | -1.0 | 62.9 | 63.9 | 63.1 | 0.2 | -0.8 | No |
| R799(K1391) | Single-Family | 68.0 | 69.0 | 69.3 | 1.3 | 0.3 | 68.6 | 69.6 | 70.1 | 1.5 | 0.5 | Yes |
| R800(K2086) | Single-Family | 72.7 | 73.7 | 74.6 | 1.9 | 0.9 | 73.7 | 74.7 | 75.5 | 1.8 | 0.8 | Yes |
| R801(K1205) | Single-Family | 67.2 | 68.2 | 69.2 | 2.0 | 1.0 | 68.2 | 69.2 | 70.2 | 2.0 | 1.0 | Yes |
| R802(K1331) | Single-Family | 68.8 | 69.8 | 72.4 | 3.6 | 2.6 | 69.4 | 70.4 | 73.2 | 3.8 | 2.8 | Yes |
| R803(K2017) | Single-Family | 64.6 | 65.5 | 65.3 | 0.7 | -0.2 | 65.0 | 66.0 | 66.0 | 1.0 | 0.0 | Yes |
| R804(K2025) | Single-Family | 63.5 | 64.5 | 64.1 | 0.6 | -0.4 | 64.0 | 65.0 | 65.0 | 1.0 | 0.0 | No |
| R805(K78) | Single-Family | 70.1 | 71.1 | 73.1 | 3.0 | 2.0 | 70.7 | 71.7 | 73.9 | 3.2 | 2.2 | Yes |
| R806(K1322) | Single-Family | 64.2 | 65.2 | 63.4 | -0.8 | -1.8 | 64.7 | 65.7 | 64.2 | -0.5 | -1.5 | No |
| R807(K1336) | Single-Family | 69.1 | 70.1 | 72.4 | 3.3 | 2.3 | 69.7 | 70.7 | 73.2 | 3.5 | 2.5 | Yes |
| R808(K2109) | Single-Family | 63.9 | 64.9 | 66.4 | 2.5 | 1.5 | 65.1 | 66.1 | 67.6 | 2.5 | 1.5 | Yes |
| R809(K71) | Multi-Family | 66.1 | 67.1 | 66.5 | 0.4 | -0.6 | 66.7 | 67.7 | 67.3 | 0.6 | -0.4 | Yes |
| R810(K2020) | Single-Family | 63.3 | 64.1 | 64.0 | 0.7 | -0.1 | 63.9 | 64.7 | 64.8 | 0.9 | 0.1 | No |
| R811(K2095) | Single-Family | 67.1 | 68.1 | 69.6 | 2.5 | 1.5 | 68.1 | 69.1 | 70.7 | 2.6 | 1.6 | Yes |
| R812(K1386) | Single-Family | 63.5 | 64.5 | 65.4 | 1.9 | 0.9 | 64.0 | 65.0 | 66.1 | 2.1 | 1.1 | Yes |
| R813(K2114) | Single-Family | 65.9 | 66.9 | 67.8 | 1.9 | 0.9 | 67.0 | 68.1 | 68.9 | 1.9 | 0.8 | Yes |
| R814(K2125) | Single-Family | 65.7 | 66.8 | 68.4 | 2.7 | 1.6 | 66.9 | 67.9 | 69.5 | 2.6 | 1.6 | Yes |
| M-48(K37) | Single-Family | 60.3 | 61.4 | 62.4 | 2.1 | 1.0 | 61.3 | 62.4 | 63.4 | 2.1 | 1.0 | No |
| R815(K73) | Multi-Family | 63.9 | 65.0 | 64.4 | 0.5 | -0.6 | 64.4 | 65.4 | 65.1 | 0.7 | -0.3 | No |
| R816(K1372) | Single-Family | 61.3 | 62.3 | 63.9 | 2.6 | 1.6 | 61.9 | 62.9 | 64.8 | 2.9 | 1.9 | No |
| R817(K1395) | Single-Family | 67.8 | 68.8 | 69.2 | 1.4 | 0.4 | 68.4 | 69.4 | 69.9 | 1.5 | 0.5 | Yes |
| R818(K2029) | Multi-Family | 52.1 | 53.0 | 53.2 | 1.1 | 0.2 | 52.5 | 53.3 | 54.0 | 1.5 | 0.7 | No |
| R819(K2088) | Single-Family | 72.7 | 73.8 | 74.5 | 1.8 | 0.7 | 73.7 | 74.7 | 75.4 | 1.7 | 0.7 | Yes |
| R820(K2138) | Single-Family | 66.2 | 67.2 | 68.3 | 2.1 | 1.1 | 67.4 | 68.4 | 69.3 | 1.9 | 0.9 | Yes |
| R821(K1722A) | Single-Family | 62.8 | 63.9 | 64.6 | 1.8 | 0.7 | 64.0 | 65.0 | 65.6 | 1.6 | 0.6 | Yes |
| R822(K1204) | Single-Family | 65.2 | 66.2 | 66.8 | 1.6 | 0.6 | 66.2 | 67.2 | 67.8 | 1.6 | 0.6 | Yes |
| R823(K1722) | Single-Family | 65.0 | 66.1 | 67.2 | 2.2 | 1.1 | 66.2 | 67.3 | 68.3 | 2.1 | 1.0 | Yes |
| R824(K2099) | Single-Family | 64.8 | 65.8 | 67.4 | 2.6 | 1.6 | 65.8 | 66.9 | 68.5 | 2.7 | 1.6 | Yes |
| R825(K2127) | Single-Family | 65.4 | 66.4 | 67.9 | 2.5 | 1.5 | 66.6 | 67.6 | 69.0 | 2.4 | 1.4 | Yes |
| R826(K2144) | Single-Family | 65.5 | 66.6 | 67.7 | 2.2 | 1.1 | 66.7 | 67.8 | 68.8 | 2.1 | 1.0 | Yes |
| R827(K2109C) | Single-Family | 65.0 | 66.1 | 67.5 | 2.5 | 1.4 | 66.2 | 67.3 | 68.7 | 2.5 | 1.4 | Yes |
| R828(K1720) | Single-Family | 65.2 | 66.3 | 67.4 | 2.2 | 1.1 | 66.4 | 67.5 | 68.5 | 2.1 | 1.0 | Yes |
| R829(K2026) | Single-Family | 63.6 | 64.2 | 64.1 | 0.5 | -0.1 | 64.5 | 65.1 | 65.2 | 0.7 | 0.1 | No |
| R830(K68) | Multi-Family | 65.9 | 66.9 | 67.1 | 1.2 | 0.2 | 66.6 | 67.6 | 67.8 | 1.2 | 0.2 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R831(K1328) | Single-Family | 63.8 | 64.9 | 63.5 | -0.3 | -1.4 | 64.4 | 65.4 | 64.3 | -0.1 | -1.1 | No |
| M-45(K1484) | Church | 72.7 | 73.7 | 75.2 | 2.5 | 1.5 | 73.5 | 74.5 | 75.9 | 2.4 | 1.4 | Yes |
| R832(K1362) | Single-Family | 59.5 | 60.5 | 60.8 | 1.3 | 0.3 | 60.2 | 61.1 | 61.7 | 1.5 | 0.6 | No |
| R833(K1370) | Single-Family | 60.7 | 61.7 | 62.8 | 2.1 | 1.1 | 61.3 | 62.3 | 63.7 | 2.4 | 1.4 | No |
| R834(K1402) | Single-Family | 66.4 | 67.4 | 67.5 | 1.1 | 0.1 | 67.0 | 68.0 | 68.2 | 1.2 | 0.2 | Yes |
| R835(K1446) | Single-Family | 68.3 | 69.3 | 70.4 | 2.1 | 1.1 | 69.0 | 70.0 | 71.2 | 2.2 | 1.2 | Yes |
| R836(K67) | Multi-Family | 65.6 | 66.6 | 66.7 | 1.1 | 0.1 | 66.3 | 67.3 | 67.5 | 1.2 | 0.2 | Yes |
| R837(K2033) | Single-Family | 52.5 | 53.3 | 53.5 | 1.0 | 0.2 | 52.9 | 53.8 | 54.3 | 1.4 | 0.5 | No |
| R838(K2109F) | Single-Family | 63.9 | 64.9 | 65.9 | 2.0 | 1.0 | 65.0 | 66.1 | 67.0 | 2.0 | 0.9 | Yes |
| R839(K1334) | Single-Family | 62.5 | 63.5 | 62.6 | 0.1 | -0.9 | 63.1 | 64.1 | 63.5 | 0.4 | -0.6 | No |
| R840(K2109A) | Single-Family | 60.8 | 61.8 | 62.9 | 2.1 | 1.1 | 61.9 | 63.0 | 64.0 | 2.1 | 1.0 | No |
| R841(K30) | Single-Family | 62.3 | 63.4 | 64.3 | 2.0 | 0.9 | 63.5 | 64.6 | 65.4 | 1.9 | 0.8 | No |
| R842(K1353) | Day Care | 57.5 | 58.5 | 60.4 | 2.9 | 1.9 | 58.1 | 59.1 | 61.2 | 3.1 | 2.1 | No |
| R843(K1406) | Single-Family | 63.1 | 64.1 | 64.2 | 1.1 | 0.1 | 63.7 | 64.7 | 65.0 | 1.3 | 0.3 | No |
| R844(K2032) | Single-Family | 63.5 | 64.1 | 63.9 | 0.4 | -0.2 | 64.5 | 65.2 | 65.1 | 0.6 | -0.1 | No |
| R845(K2103) | Single-Family | 63.3 | 64.3 | 65.8 | 2.5 | 1.5 | 64.4 | 65.4 | 66.8 | 2.4 | 1.4 | Yes |
| R846(K1396) | Single-Family | 60.3 | 61.3 | 62.1 | 1.8 | 0.8 | 61.0 | 61.9 | 63.0 | 2.0 | 1.1 | No |
| R847(K1403) | Single-Family | 61.9 | 62.9 | 63.3 | 1.4 | 0.4 | 62.6 | 63.6 | 64.2 | 1.6 | 0.6 | No |
| R848(K2035) | Multi-Family | 51.5 | 52.3 | 52.0 | 0.5 | -0.3 | 51.9 | 52.8 | 52.9 | 1.0 | 0.1 | No |
| R849(K1397) | Single-Family | 58.8 | 59.9 | 60.8 | 2.0 | 0.9 | 59.5 | 60.5 | 61.7 | 2.2 | 1.2 | No |
| R850(K1721) | Single-Family | 63.3 | 64.4 | 64.9 | 1.6 | 0.5 | 64.5 | 65.5 | 66.1 | 1.6 | 0.6 | Yes |
| R851(K2094) | Single-Family | 72.2 | 73.3 | 74.1 | 1.9 | 0.8 | 73.2 | 74.2 | 74.9 | 1.7 | 0.7 | Yes |
| R852(K2109D) | Single-Family | 60.1 | 61.2 | 62.0 | 1.9 | 0.8 | 61.3 | 62.4 | 63.1 | 1.8 | 0.7 | No |
| R853(K1217) | Hotel | 60.6 | 61.7 | 62.5 | 1.9 | 0.8 | 61.6 | 62.6 | 63.4 | 1.8 | 0.8 | No |
| R854(K1460) | Single-Family | 63.0 | 64.0 | 64.0 | 1.0 | 0.0 | 63.7 | 64.6 | 64.8 | 1.1 | 0.2 | No |
| R855(K1392) | Single-Family | 57.9 | 58.9 | 60.6 | 2.7 | 1.7 | 58.6 | 59.6 | 61.4 | 2.8 | 1.8 | No |
| R856(K1394) | Single-Family | 58.4 | 59.4 | 60.0 | 1.6 | 0.6 | 59.1 | 60.1 | 60.8 | 1.7 | 0.7 | No |
| R857(K1193) | Single-Family | 69.5 | 70.5 | 72.1 | 2.6 | 1.6 | 70.3 | 71.3 | 72.9 | 2.6 | 1.6 | Yes |
| R858(K1379) | Single-Family | 57.0 | 58.0 | 59.2 | 2.2 | 1.2 | 57.6 | 58.6 | 60.0 | 2.4 | 1.4 | No |
| R859(K1385) | Single-Family | 56.3 | 57.3 | 58.6 | 2.3 | 1.3 | 56.9 | 57.8 | 59.4 | 2.5 | 1.6 | No |
| R860(K2097) | Single-Family | 71.8 | 72.9 | 73.7 | 1.9 | 0.8 | 72.8 | 73.8 | 74.6 | 1.8 | 0.8 | Yes |
| R861(K1390) | Single-Family | 55.6 | 56.6 | 57.5 | 1.9 | 0.9 | 56.3 | 57.3 | 58.4 | 2.1 | 1.1 | No |
| R862(K1449) | Single-Family | 64.1 | 65.1 | 64.6 | 0.5 | -0.5 | 64.8 | 65.8 | 65.4 | 0.6 | -0.4 | No |
| M-39(K2037) | Multi-Family | 66.4 | 67.0 | 66.1 | -0.3 | -0.9 | 67.8 | 68.4 | 67.8 | 0.0 | -0.6 | Yes |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R863(K2043) | Single-Family | 51.7 | 52.5 | 52.0 | 0.3 | -0.5 | 52.1 | 53.0 | 52.9 | 0.8 | -0.1 | No |
| R864(K2117) | Single-Family | 62.0 | 63.1 | 64.4 | 2.4 | 1.3 | 63.1 | 64.1 | 65.4 | 2.3 | 1.3 | No |
| R865(K1212) | Commercial | 69.0 | 70.1 | 71.1 | 2.1 | 1.0 | 70.1 | 71.2 | 72.1 | 2.0 | 0.9 | Yes |
| R866(K2066) | Hotel | 64.3 | 65.4 | 67.0 | 2.7 | 1.6 | 65.3 | 66.3 | 67.9 | 2.6 | 1.6 | No |
| R867(K1196) | Single-Family | 67.1 | 68.1 | 69.8 | 2.7 | 1.7 | 67.9 | 68.9 | 70.5 | 2.6 | 1.6 | Yes |
| R868(KV1492) | Vacant | 61.2 | 62.2 | 62.3 | 1.1 | 0.1 | 61.8 | 62.8 | 63.1 | 1.3 | 0.3 | No |
| R869(K1492) | Multi-Family | 62.2 | 63.2 | 64.1 | 1.9 | 0.9 | 63.0 | 64.0 | 65.0 | 2.0 | 1.0 | No |
| R870(K2102) | Single-Family | 70.8 | 71.9 | 72.7 | 1.9 | 0.8 | 71.8 | 72.8 | 73.5 | 1.7 | 0.7 | Yes |
| R871(K2120) | Single-Family | 61.1 | 62.1 | 63.2 | 2.1 | 1.1 | 62.1 | 63.1 | 64.2 | 2.1 | 1.1 | No |
| R872(KV2147) | Vacant | 60.7 | 61.7 | 63.0 | 2.3 | 1.3 | 61.8 | 62.9 | 64.2 | 2.4 | 1.3 | No |
| R873(K2107) | Single-Family | 70.5 | 71.6 | 72.4 | 1.9 | 0.8 | 71.4 | 72.5 | 73.2 | 1.8 | 0.7 | Yes |
| R874(K1473) | Single-Family | 51.9 | 52.9 | 53.6 | 1.7 | 0.7 | 52.6 | 53.6 | 54.4 | 1.8 | 0.8 | No |
| R875(K1203) | Single-Family | 65.0 | 66.0 | 68.1 | 3.1 | 2.1 | 65.8 | 66.8 | 68.8 | 3.0 | 2.0 | Yes |
| R876(K2128) | Single-Family | 60.7 | 61.7 | 62.7 | 2.0 | 1.0 | 61.7 | 62.7 | 63.7 | 2.0 | 1.0 | No |
| R877(K40) | Single-Family | 61.7 | 62.7 | 63.9 | 2.2 | 1.2 | 62.6 | 63.6 | 64.8 | 2.2 | 1.2 | No |
| R878(K2141) | School | 74.0 | 75.1 | 75.9 | 1.9 | 0.8 | 74.9 | 75.9 | 76.7 | 1.8 | 0.8 | Yes |
| R879(K2121) | Single-Family | 70.1 | 71.2 | 72.1 | 2.0 | 0.9 | 71.1 | 72.1 | 73.0 | 1.9 | 0.9 | Yes |
| R880(K1202) | Single-Family | 61.5 | 62.6 | 64.4 | 2.9 | 1.8 | 62.4 | 63.4 | 65.2 | 2.8 | 1.8 | No |
| R881(K2130) | Single-Family | 60.3 | 61.4 | 62.2 | 1.9 | 0.8 | 61.4 | 62.4 | 63.2 | 1.8 | 0.8 | No |
| R882(K1211) | Single-Family | 69.1 | 70.2 | 71.1 | 2.0 | 0.9 | 69.9 | 71.0 | 71.8 | 1.9 | 0.8 | Yes |
| R883(K1209) | Single-Family | 63.1 | 64.1 | 66.7 | 3.6 | 2.6 | 64.0 | 65.0 | 67.3 | 3.3 | 2.3 | Yes |
| R884(K1213) | Single-Family | 65.4 | 66.5 | 69.3 | 3.9 | 2.8 | 66.3 | 67.3 | 70.0 | 3.7 | 2.7 | Yes |
| R885(K2126) | Single-Family | 70.0 | 71.0 | 71.8 | 1.8 | 0.8 | 70.9 | 71.9 | 72.7 | 1.8 | 0.8 | Yes |
| R886(K1206) | Single-Family | 61.7 | 62.8 | 64.6 | 2.9 | 1.8 | 62.6 | 63.6 | 65.4 | 2.8 | 1.8 | No |
| R887(K2113) | Single-Family | 59.9 | 61.0 | 61.9 | 2.0 | 0.9 | 61.0 | 62.0 | 63.0 | 2.0 | 1.0 | No |
| R888(K1218) | Single-Family | 63.7 | 64.8 | 67.6 | 3.9 | 2.8 | 64.6 | 65.6 | 68.3 | 3.7 | 2.7 | Yes |
| R889(K36) | Single-Family | 61.9 | 62.9 | 65.5 | 3.6 | 2.6 | 62.8 | 63.8 | 66.2 | 3.4 | 2.4 | Yes |
| R890(K2131) | Single-Family | 69.4 | 70.5 | 71.4 | 2.0 | 0.9 | 70.4 | 71.4 | 72.3 | 1.9 | 0.9 | Yes |
| R891(K2140) | Single-Family | 59.4 | 60.4 | 61.3 | 1.9 | 0.9 | 60.5 | 61.5 | 62.3 | 1.8 | 0.8 | No |
| R892(K1216) | Single-Family | 62.2 | 63.2 | 64.7 | 2.5 | 1.5 | 63.1 | 64.1 | 65.5 | 2.4 | 1.4 | No |
| R893(K1220) | Single-Family | 62.1 | 63.2 | 65.5 | 3.4 | 2.3 | 63.0 | 64.0 | 66.3 | 3.3 | 2.3 | Yes |
| R894(K2111) | Single-Family | 69.0 | 70.1 | 70.9 | 1.9 | 0.8 | 69.9 | 71.0 | 71.8 | 1.9 | 0.8 | Yes |
| R895(K1219) | Single-Family | 55.9 | 56.9 | 58.6 | 2.7 | 1.7 | 56.6 | 57.6 | 59.3 | 2.7 | 1.7 | No |
| R896(K2142) | Single-Family | 59.1 | 60.1 | 60.9 | 1.8 | 0.8 | 60.2 | 61.2 | 61.9 | 1.7 | 0.7 | No |

Table 7. Alternative E Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approach/ Exceed NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|-------------------------------------|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R897(K2139) | Single-Family | 68.5 | 69.6 | 70.5 | 2.0 | 0.9 | 69.5 | 70.5 | 71.3 | 1.8 | 0.8 | Yes |
| R898(K1224) | Single-Family | 61.2 | 62.3 | 64.7 | 3.5 | 2.4 | 62.1 | 63.1 | 65.4 | 3.3 | 2.3 | No |
| R899(K1223) | Single-Family | 61.3 | 62.3 | 64.4 | 3.1 | 2.1 | 62.1 | 63.2 | 65.2 | 3.1 | 2.0 | No |
| R900(K1222) | Single-Family | 56.9 | 58.0 | 59.6 | 2.7 | 1.6 | 57.6 | 58.6 | 60.3 | 2.7 | 1.7 | No |
| R901(K1753) | Cemetery | 60.7 | 61.7 | 63.1 | 2.4 | 1.4 | 61.4 | 62.4 | 63.8 | 2.4 | 1.4 | No |
| M-47(K2141) | School | 60.0 | 61.0 | 61.8 | 1.8 | 0.8 | 60.9 | 61.9 | 62.6 | 1.7 | 0.7 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| M-17(K161) | Single-Family | 61.5 | 61.8 | 61.8 | 0.3 | 0.0 | 61.7 | 62.0 | 62.1 | 0.4 | 0.1 | No |
| R1(K177) | Single-Family | 62.9 | 63.9 | 64.6 | 1.7 | 0.7 | 63.4 | 64.4 | 65.2 | 1.8 | 0.8 | No |
| R2(K163) | Single-Family | 62.0 | 62.7 | 63.7 | 1.7 | 1.0 | 62.2 | 62.9 | 64.1 | 1.9 | 1.2 | No |
| R3(K166) | Single-Family | 62.7 | 63.6 | 64.4 | 1.7 | 0.8 | 62.8 | 63.8 | 64.7 | 1.9 | 0.9 | No |
| R4(K173) | Single-Family | 62.9 | 63.9 | 65.0 | 2.1 | 1.1 | 63.1 | 64.0 | 65.5 | 2.4 | 1.5 | No |
| R5(K165) | Single-Family | 62.3 | 63.1 | 64.3 | 2.0 | 1.2 | 62.6 | 63.4 | 64.7 | 2.1 | 1.3 | No |
| R6(K169) | Single-Family | 62.7 | 63.6 | 64.5 | 1.8 | 0.9 | 62.8 | 63.8 | 64.8 | 2.0 | 1.0 | No |
| R7(K183) | Single-Family | 65.0 | 65.9 | 67.5 | 2.5 | 1.6 | 65.4 | 66.3 | 67.9 | 2.5 | 1.6 | Yes |
| R8(K176) | Single-Family | 63.1 | 64.0 | 65.5 | 2.4 | 1.5 | 63.2 | 64.2 | 65.9 | 2.7 | 1.7 | Yes |
| R9(K185) | Single-Family | 65.1 | 66.0 | 67.5 | 2.4 | 1.5 | 65.4 | 66.4 | 67.9 | 2.5 | 1.5 | Yes |
| R10(K192) | Single-Family | 64.0 | 64.9 | 66.3 | 2.3 | 1.4 | 64.3 | 65.3 | 66.7 | 2.4 | 1.4 | Yes |
| R11(K188) | Single-Family | 65.1 | 66.1 | 67.7 | 2.6 | 1.6 | 65.5 | 66.5 | 68.0 | 2.5 | 1.5 | Yes |
| R12(K195) | Single-Family | 65.1 | 66.1 | 67.7 | 2.6 | 1.6 | 65.5 | 66.5 | 68.0 | 2.5 | 1.5 | Yes |
| R13(K184 R-40) | Single-Family | 65.5 | 66.4 | 67.6 | 2.1 | 1.2 | 65.6 | 66.6 | 68.0 | 2.4 | 1.4 | Yes |
| R14(K199) | Single-Family | 65.5 | 66.4 | 67.9 | 2.4 | 1.5 | 65.8 | 66.8 | 68.3 | 2.5 | 1.5 | Yes |
| R15(K198) | Single-Family | 66.4 | 67.4 | 68.3 | 1.9 | 0.9 | 66.6 | 67.6 | 68.8 | 2.2 | 1.2 | Yes |
| M-18(K190) | Single-Family | 66.4 | 67.4 | 68.2 | 1.8 | 0.8 | 66.5 | 67.5 | 68.5 | 2.0 | 1.0 | Yes |
| R16(K205) | Single-Family | 67.0 | 68.0 | 69.6 | 2.6 | 1.6 | 67.4 | 68.4 | 70.0 | 2.6 | 1.6 | Yes |
| R17(K207) | Single-Family | 67.1 | 68.1 | 69.7 | 2.6 | 1.6 | 67.5 | 68.5 | 70.1 | 2.6 | 1.6 | Yes |
| R18(K201) | Single-Family | 67.0 | 68.0 | 69.0 | 2.0 | 1.0 | 67.2 | 68.2 | 69.5 | 2.3 | 1.3 | Yes |
| R19(K210) | Single-Family | 67.2 | 68.2 | 69.7 | 2.5 | 1.5 | 67.6 | 68.6 | 70.1 | 2.5 | 1.5 | Yes |
| R20(K211 R-42) | Single-Family | 67.3 | 68.3 | 69.8 | 2.5 | 1.5 | 67.7 | 68.7 | 70.2 | 2.5 | 1.5 | Yes |
| R21(K175 R-37) | Hotel | 66.1 | 67.0 | 69.0 | 2.9 | 2.0 | 66.3 | 67.3 | 69.4 | 3.1 | 2.1 | No |
| R22(K213) | Single-Family | 67.3 | 68.3 | 69.8 | 2.5 | 1.5 | 67.7 | 68.7 | 70.2 | 2.5 | 1.5 | Yes |
| R23(K214) | Single-Family | 67.3 | 68.3 | 69.8 | 2.5 | 1.5 | 67.8 | 68.8 | 70.2 | 2.4 | 1.4 | Yes |
| R24(K215) | Single-Family | 67.3 | 68.3 | 69.8 | 2.5 | 1.5 | 67.7 | 68.8 | 70.2 | 2.5 | 1.4 | Yes |
| R25(K220) | Single-Family | 66.1 | 67.1 | 69.2 | 3.1 | 2.1 | 66.7 | 67.7 | 69.6 | 2.9 | 1.9 | Yes |
| R26(KV220) | Vacant | 68.0 | 69.0 | 70.3 | 2.3 | 1.3 | 68.4 | 69.5 | 70.7 | 2.3 | 1.2 | Yes |
| R27(K225) | Restaurant/Bar | 63.6 | 64.5 | 68.4 | 4.8 | 3.9 | 64.4 | 65.4 | 68.9 | 4.5 | 3.5 | No |
| R28(K234) | Multi-Family | 66.2 | 67.2 | 68.6 | 2.4 | 1.4 | 66.6 | 67.6 | 69.0 | 2.4 | 1.4 | Yes |
| R29(KV235) | Vacant | 68.0 | 69.0 | 70.1 | 2.1 | 1.1 | 68.4 | 69.4 | 70.6 | 2.2 | 1.2 | Yes |
| R30(K235) | Single-Family | 63.6 | 64.6 | 66.2 | 2.6 | 1.6 | 63.9 | 64.9 | 66.6 | 2.7 | 1.7 | Yes |
| R31(K237) | Single-Family | 60.9 | 61.9 | 64.0 | 3.1 | 2.1 | 61.3 | 62.4 | 64.5 | 3.2 | 2.1 | No |
| R32(K27) | Single-Family | 63.9 | 64.9 | 66.8 | 2.9 | 1.9 | 64.3 | 65.4 | 67.2 | 2.9 | 1.8 | Yes |
| R33(K240) | Single-Family | 64.4 | 65.3 | 67.4 | 3.0 | 2.1 | 64.9 | 65.9 | 67.8 | 2.9 | 1.9 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R34(K248) | Single-Family | 63.6 | 64.6 | 66.8 | 3.2 | 2.2 | 64.2 | 65.2 | 67.1 | 2.9 | 1.9 | Yes |
| R35(K238A) | Multi-Family | 69.3 | 70.3 | 71.7 | 2.4 | 1.4 | 69.8 | 70.9 | 72.2 | 2.4 | 1.3 | Yes |
| R36(K252) | Single-Family | 64.8 | 65.8 | 67.3 | 2.5 | 1.5 | 65.2 | 66.3 | 67.7 | 2.5 | 1.4 | Yes |
| M-19(K25) | Multi-Family | 69.9 | 71.0 | 72.4 | 2.5 | 1.4 | 70.5 | 71.6 | 72.9 | 2.4 | 1.3 | Yes |
| R37(K238) | Multi-Family | 69.7 | 70.8 | 72.3 | 2.6 | 1.5 | 70.3 | 71.4 | 72.8 | 2.5 | 1.4 | Yes |
| R38(K257) | Single-Family | 64.2 | 65.2 | 66.9 | 2.7 | 1.7 | 64.6 | 65.7 | 67.4 | 2.8 | 1.7 | Yes |
| R39(K247) | Multi-Family | 69.9 | 70.9 | 72.1 | 2.2 | 1.2 | 70.4 | 71.4 | 72.6 | 2.2 | 1.2 | Yes |
| R40(K261) | Single-Family | 64.1 | 65.1 | 66.7 | 2.6 | 1.6 | 64.5 | 65.6 | 67.1 | 2.6 | 1.5 | Yes |
| R41(K265) | Single-Family | 64.8 | 65.8 | 66.9 | 2.1 | 1.1 | 65.2 | 66.2 | 67.3 | 2.1 | 1.1 | Yes |
| R42(K254) | Single-Family | 67.6 | 68.6 | 69.9 | 2.3 | 1.3 | 68.0 | 69.1 | 70.4 | 2.4 | 1.3 | Yes |
| R43(K269) | Single-Family | 64.8 | 65.9 | 67.2 | 2.4 | 1.3 | 65.2 | 66.3 | 67.5 | 2.3 | 1.2 | Yes |
| R44(K285) | Single-Family | 62.5 | 63.6 | 64.6 | 2.1 | 1.0 | 62.9 | 64.0 | 65.0 | 2.1 | 1.0 | No |
| R45(K256) | Single-Family | 65.4 | 66.4 | 67.5 | 2.1 | 1.1 | 65.9 | 66.9 | 68.0 | 2.1 | 1.1 | Yes |
| R46(KV256) | Vacant | 70.1 | 71.2 | 72.1 | 2.0 | 0.9 | 70.6 | 71.7 | 72.6 | 2.0 | 0.9 | Yes |
| R47(K275) | Single-Family | 65.7 | 66.7 | 67.6 | 1.9 | 0.9 | 66.1 | 67.2 | 68.1 | 2.0 | 0.9 | Yes |
| R48(K296) | Single-Family | 64.8 | 65.9 | 67.0 | 2.2 | 1.1 | 65.2 | 66.3 | 67.4 | 2.2 | 1.1 | Yes |
| R49(K266) | Single-Family | 65.1 | 66.1 | 66.8 | 1.7 | 0.7 | 65.5 | 66.6 | 67.1 | 1.6 | 0.5 | Yes |
| R50(KV266) | Vacant | 71.0 | 72.0 | 72.6 | 1.6 | 0.6 | 71.4 | 72.5 | 73.1 | 1.7 | 0.6 | Yes |
| R51(K276) | Single-Family | 68.9 | 69.9 | 70.7 | 1.8 | 0.8 | 69.3 | 70.4 | 71.2 | 1.9 | 0.8 | Yes |
| R52(K255) | Single-Family | 71.5 | 72.6 | 74.4 | 2.9 | 1.8 | 72.4 | 73.5 | 75.0 | 2.6 | 1.5 | Yes |
| R53(K287) | Single-Family | 70.3 | 71.3 | 71.9 | 1.6 | 0.6 | 70.7 | 71.8 | 72.3 | 1.6 | 0.5 | Yes |
| R54(K294) | Single-Family | 70.2 | 71.2 | 71.7 | 1.5 | 0.5 | 70.6 | 71.7 | 72.2 | 1.6 | 0.5 | Yes |
| R55(K112) | Single-Family | 72.4 | 73.5 | 74.7 | 2.3 | 1.2 | 73.1 | 74.2 | 75.3 | 2.2 | 1.1 | Yes |
| R56(K403) | Recreation | 66.7 | 67.8 | 68.2 | 1.5 | 0.4 | 67.1 | 68.2 | 68.7 | 1.6 | 0.5 | Yes |
| R57(K302) | Single-Family | 69.7 | 70.7 | 71.5 | 1.8 | 0.8 | 70.1 | 71.2 | 72.0 | 1.9 | 0.8 | Yes |
| R58(K267) | Single-Family | 72.6 | 73.8 | 74.8 | 2.2 | 1.0 | 73.3 | 74.4 | 75.4 | 2.1 | 1.0 | Yes |
| R59(K270) | Single-Family | 72.8 | 73.9 | 74.8 | 2.0 | 0.9 | 73.5 | 74.6 | 75.3 | 1.8 | 0.7 | Yes |
| R60(K307) | Single-Family | 69.5 | 70.6 | 71.2 | 1.7 | 0.6 | 69.9 | 71.0 | 71.7 | 1.8 | 0.7 | Yes |
| R61(K312) | Single-Family | 69.8 | 70.9 | 71.3 | 1.5 | 0.4 | 70.2 | 71.3 | 71.8 | 1.6 | 0.5 | Yes |
| R62(K280 R-45) | Single-Family | 72.9 | 74.0 | 74.7 | 1.8 | 0.7 | 73.6 | 74.7 | 75.2 | 1.6 | 0.5 | Yes |
| R63(KV312) | Vacant | 71.2 | 72.2 | 72.7 | 1.5 | 0.5 | 71.7 | 72.8 | 73.2 | 1.5 | 0.4 | Yes |
| R64(K10) | Single-Family | 73.1 | 74.2 | 74.6 | 1.5 | 0.4 | 73.7 | 74.8 | 75.0 | 1.3 | 0.2 | Yes |
| R65(KV304) | Vacant | 73.1 | 74.1 | 74.7 | 1.6 | 0.6 | 73.6 | 74.7 | 75.2 | 1.6 | 0.5 | Yes |
| M-21(K304) | Single-Family | 73.1 | 74.1 | 74.4 | 1.3 | 0.3 | 73.7 | 74.8 | 74.9 | 1.2 | 0.1 | Yes |
| R66(K111) | Razed | 73.0 | 74.1 | 74.3 | 1.3 | 0.2 | 73.6 | 74.7 | 74.8 | 1.2 | 0.1 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R67(KV111) | Vacant | 73.3 | 74.3 | 74.8 | 1.5 | 0.5 | 73.8 | 74.9 | 75.4 | 1.6 | 0.5 | Yes |
| R68(K179 R-38) | Hotel | 71.0 | 72.0 | 72.6 | 1.6 | 0.6 | 71.4 | 72.4 | 72.8 | 1.4 | 0.4 | Yes |
| R69(K407) | Multi-Family | 68.6 | 69.6 | 70.0 | 1.4 | 0.4 | 69.0 | 70.1 | 70.6 | 1.6 | 0.5 | Yes |
| R70(K229) | Hotel | 70.8 | 71.8 | 71.9 | 1.1 | 0.1 | 71.0 | 72.0 | 72.2 | 1.2 | 0.2 | Yes |
| R71(K440) | Single-Family | 67.6 | 68.6 | 69.6 | 2.0 | 1.0 | 68.1 | 69.2 | 70.3 | 2.2 | 1.1 | Yes |
| R72(K18) | Single-Family | 67.8 | 68.8 | 69.9 | 2.1 | 1.1 | 68.4 | 69.5 | 70.6 | 2.2 | 1.1 | Yes |
| R73(K194) | Restaurant/Bar | 62.5 | 63.3 | 63.1 | 0.6 | -0.2 | 62.8 | 63.6 | 63.4 | 0.6 | -0.2 | No |
| R74(K456) | Single-Family | 67.5 | 68.5 | 69.5 | 2.0 | 1.0 | 68.0 | 69.1 | 70.3 | 2.3 | 1.2 | Yes |
| R75(K229 R-43) | Commercial | 66.2 | 67.2 | 68.1 | 1.9 | 0.9 | 66.2 | 67.3 | 68.3 | 2.1 | 1.0 | No |
| R76(K418) | Multi-Family | 69.6 | 70.8 | 71.5 | 1.9 | 0.7 | 70.3 | 71.5 | 72.0 | 1.7 | 0.5 | Yes |
| R77(KV418) | Vacant | 72.5 | 73.5 | 74.3 | 1.8 | 0.8 | 73.2 | 74.3 | 75.2 | 2.0 | 0.9 | Yes |
| R78(K470) | Single-Family | 66.1 | 67.2 | 68.5 | 2.4 | 1.3 | 66.7 | 67.8 | 69.2 | 2.5 | 1.4 | Yes |
| R79(K127) | Hotel | 62.0 | 62.9 | 62.9 | 0.9 | 0.0 | 62.4 | 63.4 | 63.2 | 0.8 | -0.2 | No |
| R80(KV460) | Vacant | 71.9 | 72.9 | 73.7 | 1.8 | 0.8 | 72.5 | 73.6 | 74.5 | 2.0 | 0.9 | Yes |
| R81(K485) | Single-Family | 65.5 | 66.5 | 67.9 | 2.4 | 1.4 | 66.1 | 67.2 | 68.7 | 2.6 | 1.5 | Yes |
| R82(KV460) | Vacant | 71.4 | 72.4 | 73.3 | 1.9 | 0.9 | 72.0 | 73.1 | 74.1 | 2.1 | 1.0 | Yes |
| R83(K513) | Single-Family | 64.1 | 65.1 | 66.2 | 2.1 | 1.1 | 64.8 | 65.8 | 67.1 | 2.3 | 1.3 | Yes |
| R84(K437) | Single-Family | 74.6 | 75.6 | 77.1 | 2.5 | 1.5 | 75.3 | 76.4 | 78.1 | 2.8 | 1.7 | Yes |
| R85(K494) | Single-Family | 65.0 | 66.0 | 67.4 | 2.4 | 1.4 | 65.6 | 66.7 | 68.2 | 2.6 | 1.5 | Yes |
| R86(K460) | Single-Family | 65.1 | 66.4 | 68.6 | 3.5 | 2.2 | 66.3 | 67.6 | 69.6 | 3.3 | 2.0 | Yes |
| R87(K467) | Single-Family | 63.1 | 64.6 | 66.9 | 3.8 | 2.3 | 64.6 | 66.1 | 67.9 | 3.3 | 1.8 | Yes |
| R88(K474) | Single-Family | 60.9 | 62.6 | 63.3 | 2.4 | 0.7 | 62.5 | 64.1 | 64.3 | 1.8 | 0.2 | No |
| R89(K446) | Multi-Family | 74.8 | 75.8 | 77.6 | 2.8 | 1.8 | 75.6 | 76.7 | 78.6 | 3.0 | 1.9 | Yes |
| R90(K532) | Single-Family | 66.2 | 67.2 | 68.4 | 2.2 | 1.2 | 66.9 | 68.0 | 69.4 | 2.5 | 1.4 | Yes |
| R91(K488) | Single-Family | 60.3 | 62.1 | 63.9 | 3.6 | 1.8 | 62.4 | 64.2 | 65.0 | 2.6 | 0.8 | No |
| M-20(K309) | Single-Family | 68.3 | 69.3 | 70.1 | 1.8 | 0.8 | 68.6 | 69.6 | 70.5 | 1.9 | 0.9 | Yes |
| R92(K518) | Single-Family | 67.4 | 68.6 | 70.0 | 2.6 | 1.4 | 68.3 | 69.5 | 71.0 | 2.7 | 1.5 | Yes |
| R93(K455) | Single-Family | 74.6 | 75.7 | 77.5 | 2.9 | 1.8 | 75.4 | 76.5 | 78.5 | 3.1 | 2.0 | Yes |
| R94(K465) | Single-Family | 74.1 | 75.1 | 76.8 | 2.7 | 1.7 | 74.8 | 75.9 | 77.9 | 3.1 | 2.0 | Yes |
| R95(K314 R-46) | Single-Family | 70.5 | 71.5 | 73.4 | 2.9 | 1.9 | 71.0 | 72.1 | 73.7 | 2.7 | 1.6 | Yes |
| R96(K526) | Single-Family | 62.9 | 64.3 | 66.7 | 3.8 | 2.4 | 64.2 | 65.6 | 67.8 | 3.6 | 2.2 | Yes |
| R97(K115) | Recreation | 66.1 | 67.1 | 72.1 | 6.0 | 5.0 | 66.5 | 67.6 | 72.5 | 6.0 | 4.9 | Yes |
| R97a(K115) | Recreation | 71.0 | 72.0 | 73.9 | 2.9 | 1.9 | 71.5 | 72.6 | 74.6 | 3.1 | 2.0 | Yes |
| R97b(K115) | Recreation | 69.9 | 71.0 | 72.5 | 2.6 | 1.5 | 70.4 | 71.5 | 73.2 | 2.8 | 1.7 | Yes |
| R97c(K115) | Recreation | 67.1 | 68.1 | 71.4 | 4.3 | 3.3 | 67.6 | 68.7 | 71.8 | 4.2 | 3.1 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R97d(K115) | Recreation | 66.7 | 67.7 | 71.2 | 4.5 | 3.5 | 67.0 | 68.1 | 71.6 | 4.6 | 3.5 | Yes |
| R97e(K115) | Recreation | 65.5 | 66.5 | 71.3 | 5.8 | 4.8 | 65.9 | 66.9 | 71.7 | 5.8 | 4.8 | Yes |
| R97f(K115) | Recreation | 62.3 | 62.9 | 72.1 | 9.8 | 9.2 | 62.4 | 63.2 | 72.4 | 10.0 | 9.2 | Yes |
| R97g(K115) | Recreation | 70.9 | 71.7 | 73.1 | 2.2 | 1.4 | 71.0 | 71.9 | 73.3 | 2.3 | 1.4 | Yes |
| R97h(K115) | Recreation | 70.0 | 71.0 | 72.6 | 2.6 | 1.6 | 70.2 | 71.3 | 72.8 | 2.6 | 1.5 | Yes |
| R97i(K115) | Recreation | 68.6 | 69.6 | 69.7 | 1.1 | 0.1 | 68.7 | 69.8 | 70.1 | 1.4 | 0.3 | Yes |
| R97j(K115) | Recreation | 68.7 | 69.7 | 70.2 | 1.5 | 0.5 | 69.0 | 70.0 | 70.8 | 1.8 | 0.8 | Yes |
| R97k(K115) | Recreation | 65.4 | 66.4 | 69.7 | 4.3 | 3.3 | 65.8 | 66.8 | 70.1 | 4.3 | 3.3 | Yes |
| R97l(K115) | Recreation | 64.4 | 65.4 | 68.9 | 4.5 | 3.5 | 64.9 | 66.0 | 69.4 | 4.5 | 3.4 | Yes |
| R97m(K115) | Recreation | 66.8 | 67.8 | 71.0 | 4.2 | 3.2 | 67.1 | 68.1 | 71.4 | 4.3 | 3.3 | Yes |
| R97n(K115) | Recreation | 68.7 | 69.8 | 72.7 | 4.0 | 2.9 | 69.3 | 70.4 | 73.0 | 3.7 | 2.6 | Yes |
| R97o(K115) | Recreation | 69.4 | 70.5 | 72.9 | 3.5 | 2.4 | 69.9 | 71.0 | 73.4 | 3.5 | 2.4 | Yes |
| R97p(K115) | Recreation | 67.5 | 68.6 | 71.1 | 3.6 | 2.5 | 68.0 | 69.1 | 71.6 | 3.6 | 2.5 | Yes |
| R97q(K115) | Recreation | 66.2 | 67.2 | 70.8 | 4.6 | 3.6 | 66.6 | 67.7 | 71.3 | 4.7 | 3.6 | Yes |
| R97r(K115) | Recreation | 66.3 | 67.3 | 70.9 | 4.6 | 3.6 | 66.8 | 67.9 | 71.5 | 4.7 | 3.6 | Yes |
| R97s(K115) | Recreation | 68.0 | 69.0 | 72.1 | 4.1 | 3.1 | 68.6 | 69.7 | 72.6 | 4.0 | 2.9 | Yes |
| R97t(K115) | Recreation | 68.9 | 69.9 | 72.4 | 3.5 | 2.5 | 69.4 | 70.5 | 72.9 | 3.5 | 2.4 | Yes |
| R97u(K115) | Recreation | 69.7 | 70.8 | 72.6 | 2.9 | 1.8 | 70.1 | 71.2 | 73.0 | 2.9 | 1.8 | Yes |
| R97v(K115) | Recreation | 66.2 | 67.2 | 71.4 | 5.2 | 4.2 | 66.6 | 67.7 | 71.8 | 5.2 | 4.1 | Yes |
| R97w(K115) | Recreation | 67.4 | 68.4 | 71.6 | 4.2 | 3.2 | 67.7 | 68.7 | 72.0 | 4.3 | 3.3 | Yes |
| R97x(K115) | Recreation | 65.4 | 66.4 | 71.9 | 6.5 | 5.5 | 65.8 | 66.9 | 72.4 | 6.6 | 5.5 | Yes |
| R97y(K115) | Recreation | 74.4 | 75.0 | 73.5 | -0.9 | -1.5 | 74.3 | 75.0 | 73.9 | -0.4 | -1.1 | Yes |
| R97z(K115) | Recreation | 71.9 | 72.9 | 73.8 | 1.9 | 0.9 | 72.0 | 73.0 | 74.2 | 2.2 | 1.2 | Yes |
| R97aa(K115) | Recreation | 73.0 | 74.0 | 73.8 | 0.8 | -0.2 | 73.3 | 74.3 | 74.2 | 0.9 | -0.1 | Yes |
| R139(K409 R-47) | Recreation | 69.3 | 70.3 | 72.5 | 3.2 | 2.2 | 69.7 | 70.8 | 73.0 | 3.3 | 2.2 | Yes |
| R98(K480) | Single-Family | 73.7 | 74.8 | 76.4 | 2.7 | 1.6 | 74.5 | 75.6 | 77.5 | 3.0 | 1.9 | Yes |
| M-22(K484) | Single-Family | 73.6 | 74.7 | 76.3 | 2.7 | 1.6 | 74.4 | 75.5 | 77.3 | 2.9 | 1.8 | Yes |
| R99(K473) | Single-Family | 74.2 | 75.2 | 77.0 | 2.8 | 1.8 | 75.0 | 76.1 | 78.0 | 3.0 | 1.9 | Yes |
| R100(K318) | Single-Family | 70.0 | 71.0 | 73.0 | 3.0 | 2.0 | 70.5 | 71.6 | 73.4 | 2.9 | 1.8 | Yes |
| R101(K492) | Single-Family | 73.5 | 74.5 | 76.1 | 2.6 | 1.6 | 74.2 | 75.3 | 77.1 | 2.9 | 1.8 | Yes |
| R102(K15) | Razed | 72.0 | 73.0 | 75.0 | 3.0 | 2.0 | 72.8 | 73.9 | 76.1 | 3.3 | 2.2 | Yes |
| R103(K1771) | Single-Family | 65.3 | 66.4 | 67.5 | 2.2 | 1.1 | 66.0 | 67.1 | 68.4 | 2.4 | 1.3 | Yes |
| R104(K1832) | Single-Family | 65.1 | 66.1 | 67.3 | 2.2 | 1.2 | 65.8 | 66.8 | 68.2 | 2.4 | 1.4 | Yes |
| R105(K524) | Multi-Family | 71.7 | 72.7 | 75.0 | 3.3 | 2.3 | 72.5 | 73.6 | 76.1 | 3.6 | 2.5 | Yes |
| R106(KV492) | Vacant | 73.4 | 74.4 | 75.9 | 2.5 | 1.5 | 74.1 | 75.2 | 77.0 | 2.9 | 1.8 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R107(K541) | Single-Family | 63.4 | 64.7 | 66.7 | 3.3 | 2.0 | 64.6 | 66.0 | 67.7 | 3.1 | 1.7 | Yes |
| R108(K354) | Single-Family | 69.5 | 70.5 | 72.3 | 2.8 | 1.8 | 70.0 | 71.1 | 73.0 | 3.0 | 1.9 | Yes |
| R109(K349) | Single-Family | 69.1 | 70.1 | 72.3 | 3.2 | 2.2 | 69.6 | 70.7 | 72.7 | 3.1 | 2.0 | Yes |
| R110(K361) | Single-Family | 68.8 | 69.9 | 71.9 | 3.1 | 2.0 | 69.3 | 70.4 | 72.6 | 3.3 | 2.2 | Yes |
| R111(K527) | Single-Family | 70.9 | 71.9 | 74.9 | 4.0 | 3.0 | 71.7 | 72.8 | 76.0 | 4.3 | 3.2 | Yes |
| R112(K1841) | Single-Family | 65.4 | 66.5 | 67.5 | 2.1 | 1.0 | 66.1 | 67.2 | 68.4 | 2.3 | 1.2 | Yes |
| R113(K548) | Single-Family | 65.2 | 66.4 | 69.3 | 4.1 | 2.9 | 66.4 | 67.7 | 70.5 | 4.1 | 2.8 | Yes |
| R114(K1846) | Single-Family | 65.5 | 66.6 | 67.7 | 2.2 | 1.1 | 66.2 | 67.3 | 68.7 | 2.5 | 1.4 | Yes |
| R115(KV536) | Vacant | 72.2 | 73.2 | 74.8 | 2.6 | 1.6 | 72.9 | 74.0 | 75.8 | 2.9 | 1.8 | Yes |
| R116(K1816) | Single-Family | 66.4 | 67.4 | 68.8 | 2.4 | 1.4 | 67.1 | 68.2 | 69.8 | 2.7 | 1.6 | Yes |
| R117(KV1846) | Vacant | 66.5 | 67.5 | 68.7 | 2.2 | 1.2 | 67.1 | 68.2 | 69.6 | 2.5 | 1.4 | Yes |
| R118(K335) | Single-Family | 67.0 | 68.0 | 69.7 | 2.7 | 1.7 | 67.5 | 68.6 | 70.1 | 2.6 | 1.5 | Yes |
| R119(K322) | Single-Family | 64.4 | 65.4 | 67.4 | 3.0 | 2.0 | 64.9 | 65.9 | 67.9 | 3.0 | 2.0 | Yes |
| R120(KV1795) | Vacant | 70.2 | 71.3 | 72.7 | 2.5 | 1.4 | 71.0 | 72.2 | 73.7 | 2.7 | 1.5 | Yes |
| R121(K194 R-39) | Restaurant/Bar | 61.2 | 62.1 | 62.9 | 1.7 | 0.8 | 61.7 | 62.6 | 63.1 | 1.4 | 0.5 | No |
| R122(K365) | Single-Family | 68.1 | 69.1 | 71.4 | 3.3 | 2.3 | 68.6 | 69.7 | 72.1 | 3.5 | 2.4 | Yes |
| R123(K536) | Multi-Family | 69.3 | 70.4 | 74.9 | 5.6 | 4.5 | 70.1 | 71.2 | 75.9 | 5.8 | 4.7 | Yes |
| R124(K364) | Single-Family | 66.4 | 67.5 | 70.0 | 3.6 | 2.5 | 66.9 | 68.0 | 70.9 | 4.0 | 2.9 | Yes |
| R125(K1795) | Single-Family | 65.1 | 66.5 | 68.0 | 2.9 | 1.5 | 66.4 | 67.8 | 69.2 | 2.8 | 1.4 | Yes |
| R126(K370) | Multi-Family | 68.1 | 69.2 | 71.4 | 3.3 | 2.2 | 68.6 | 69.7 | 72.1 | 3.5 | 2.4 | Yes |
| R127(K1800) | Single-Family | 66.3 | 67.5 | 70.0 | 3.7 | 2.5 | 67.4 | 68.6 | 71.2 | 3.8 | 2.6 | Yes |
| R128(K1877) | Single-Family | 65.9 | 66.9 | 68.1 | 2.2 | 1.2 | 66.6 | 67.6 | 69.1 | 2.5 | 1.5 | Yes |
| R129(K340) | Single-Family | 60.5 | 61.5 | 65.7 | 5.2 | 4.2 | 61.1 | 62.2 | 66.1 | 5.0 | 3.9 | Yes |
| R130(K308) | Multi-Family | 63.7 | 64.7 | 65.8 | 2.1 | 1.1 | 64.2 | 65.2 | 66.2 | 2.0 | 1.0 | Yes |
| R131(K299) | Single-Family | 64.1 | 65.1 | 66.1 | 2.0 | 1.0 | 64.6 | 65.6 | 66.6 | 2.0 | 1.0 | Yes |
| R132(K545) | Single-Family | 68.3 | 69.4 | 75.2 | 6.9 | 5.8 | 69.2 | 70.3 | 76.3 | 7.1 | 6.0 | Yes |
| R133(K1811) | Single-Family | 62.1 | 63.5 | 66.6 | 4.5 | 3.1 | 63.7 | 65.1 | 67.8 | 4.1 | 2.7 | Yes |
| R134(K313) | Single-Family | 63.2 | 64.2 | 65.1 | 1.9 | 0.9 | 63.7 | 64.8 | 65.5 | 1.8 | 0.7 | No |
| R135(K346) | Single-Family | 62.1 | 63.2 | 66.1 | 4.0 | 2.9 | 62.8 | 63.9 | 66.6 | 3.8 | 2.7 | Yes |
| R136(K326) | Office | 61.6 | 62.6 | 64.6 | 3.0 | 2.0 | 62.1 | 63.1 | 65.0 | 2.9 | 1.9 | No |
| R137(K194 R-41) | Restaurant/Bar | 62.8 | 63.8 | 66.2 | 3.4 | 2.4 | 63.9 | 64.8 | 65.7 | 1.8 | 0.9 | No |
| R138(K552) | Single-Family | 69.0 | 70.0 | 75.5 | 6.5 | 5.5 | 69.9 | 70.9 | 76.6 | 6.7 | 5.7 | Yes |
| R140(K352) | Single-Family | 61.7 | 62.8 | 65.4 | 3.7 | 2.6 | 62.4 | 63.5 | 65.9 | 3.5 | 2.4 | Yes |
| R141(K317) | Single-Family | 62.6 | 63.6 | 64.6 | 2.0 | 1.0 | 63.0 | 64.1 | 65.1 | 2.1 | 1.0 | No |
| R142(K368) | Single-Family | 64.6 | 65.7 | 68.0 | 3.4 | 2.3 | 65.2 | 66.3 | 68.6 | 3.4 | 2.3 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R143(K562) | Single-Family | 69.1 | 70.1 | 75.6 | 6.5 | 5.5 | 69.9 | 71.0 | 76.7 | 6.8 | 5.7 | Yes |
| R144(K1784) | Single-Family | 69.3 | 70.4 | 75.7 | 6.4 | 5.3 | 70.2 | 71.3 | 76.8 | 6.6 | 5.5 | Yes |
| R145(K229 R-44) | Commercial | 63.6 | 64.5 | 64.4 | 0.8 | -0.1 | 63.4 | 64.3 | 64.1 | 0.7 | -0.2 | No |
| R146(K1772) | Single-Family | 62.0 | 63.4 | 66.0 | 4.0 | 2.6 | 63.6 | 65.0 | 67.2 | 3.6 | 2.2 | Yes |
| R147(KV1801) | Vacant | 70.5 | 71.5 | 74.0 | 3.5 | 2.5 | 71.3 | 72.4 | 75.1 | 3.8 | 2.7 | Yes |
| R148(K360) | Single-Family | 60.9 | 62.0 | 64.8 | 3.9 | 2.8 | 61.6 | 62.6 | 65.3 | 3.7 | 2.7 | No |
| R149(K1790 R-48) | Single-Family | 69.5 | 70.5 | 75.8 | 6.3 | 5.3 | 70.3 | 71.4 | 76.9 | 6.6 | 5.5 | Yes |
| R150(K353) | Multi-Family | 57.0 | 58.0 | 61.1 | 4.1 | 3.1 | 57.7 | 58.8 | 61.6 | 3.9 | 2.8 | No |
| R151(K337) | Multi-Family | 52.4 | 53.4 | 56.0 | 3.6 | 2.6 | 53.1 | 54.2 | 56.9 | 3.8 | 2.7 | No |
| R152(K373) | Single-Family | 65.5 | 66.5 | 69.4 | 3.9 | 2.9 | 66.1 | 67.2 | 70.0 | 3.9 | 2.8 | Yes |
| R153(K379) | Single-Family | 65.9 | 66.9 | 69.8 | 3.9 | 2.9 | 66.5 | 67.6 | 70.5 | 4.0 | 2.9 | Yes |
| R154(K358) | Multi-Family | 54.6 | 55.6 | 58.7 | 4.1 | 3.1 | 55.2 | 56.3 | 59.4 | 4.2 | 3.1 | No |
| R155(K362) | Single-Family | 57.7 | 58.7 | 60.9 | 3.2 | 2.2 | 58.3 | 59.4 | 61.5 | 3.2 | 2.1 | No |
| R156(K344) | Single-Family | 57.0 | 58.0 | 61.9 | 4.9 | 3.9 | 57.6 | 58.7 | 62.3 | 4.7 | 3.6 | No |
| R157(K347) | Single-Family | 57.8 | 58.8 | 62.0 | 4.2 | 3.2 | 58.4 | 59.5 | 62.6 | 4.2 | 3.1 | No |
| R158(K367) | Single-Family | 55.3 | 56.4 | 59.3 | 4.0 | 2.9 | 56.0 | 57.1 | 60.1 | 4.1 | 3.0 | No |
| R159(K401) | Single-Family | 63.4 | 64.5 | 67.5 | 4.1 | 3.0 | 64.1 | 65.2 | 68.2 | 4.1 | 3.0 | Yes |
| R160(K382) | Single-Family | 66.4 | 67.5 | 70.3 | 3.9 | 2.8 | 67.1 | 68.2 | 71.0 | 3.9 | 2.8 | Yes |
| R161(K1777) | Single-Family | 59.9 | 61.6 | 63.2 | 3.3 | 1.6 | 61.9 | 63.5 | 64.4 | 2.5 | 0.9 | No |
| R162(K386) | Single-Family | 67.0 | 68.1 | 70.6 | 3.6 | 2.5 | 67.7 | 68.8 | 71.4 | 3.7 | 2.6 | Yes |
| R163(K1801) | Single-Family | 68.2 | 69.2 | 75.3 | 7.1 | 6.1 | 69.1 | 70.2 | 76.4 | 7.3 | 6.2 | Yes |
| R164(K332) | Studio | 57.4 | 58.4 | 61.8 | 4.4 | 3.4 | 58.0 | 59.1 | 62.2 | 4.2 | 3.1 | No |
| R165(K1885) | Single-Family | 65.4 | 66.2 | 66.8 | 1.4 | 0.6 | 65.9 | 66.7 | 67.7 | 1.8 | 1.0 | Yes |
| R166(K1828) | Single-Family | 59.9 | 61.8 | 63.3 | 3.4 | 1.5 | 62.2 | 63.9 | 64.4 | 2.2 | 0.5 | No |
| R167(K1883) | Single-Family | 65.1 | 65.9 | 66.6 | 1.5 | 0.7 | 65.6 | 66.5 | 67.5 | 1.9 | 1.0 | Yes |
| R168(K396) | Single-Family | 67.4 | 68.4 | 70.5 | 3.1 | 2.1 | 67.9 | 69.0 | 71.3 | 3.4 | 2.3 | Yes |
| R169(K388) | Single-Family | 67.2 | 68.2 | 70.6 | 3.4 | 2.4 | 67.8 | 68.9 | 71.4 | 3.6 | 2.5 | Yes |
| R170(K1812) | Single-Family | 67.7 | 68.7 | 74.6 | 6.9 | 5.9 | 68.6 | 69.7 | 75.6 | 7.0 | 5.9 | Yes |
| R171(K402) | Single-Family | 63.2 | 64.2 | 67.6 | 4.4 | 3.4 | 63.8 | 64.9 | 68.4 | 4.6 | 3.5 | Yes |
| R172(K1839) | Single-Family | 59.6 | 61.5 | 63.1 | 3.5 | 1.6 | 61.9 | 63.5 | 64.2 | 2.3 | 0.7 | No |
| R173(K1882) | Single-Family | 65.4 | 66.3 | 66.7 | 1.3 | 0.4 | 66.0 | 66.9 | 67.6 | 1.6 | 0.7 | Yes |
| R174(K1765) | Single-Family | 66.3 | 67.1 | 67.7 | 1.4 | 0.6 | 66.9 | 67.8 | 68.6 | 1.7 | 0.8 | Yes |
| R175(K1915) | Single-Family | 66.8 | 67.6 | 68.3 | 1.5 | 0.7 | 67.3 | 68.1 | 69.1 | 1.8 | 1.0 | Yes |
| R176(K1759) | Single-Family | 64.5 | 65.2 | 66.1 | 1.6 | 0.9 | 64.9 | 65.7 | 66.9 | 2.0 | 1.2 | Yes |
| R177(K1770) | Single-Family | 67.6 | 68.6 | 74.0 | 6.4 | 5.4 | 68.5 | 69.6 | 75.1 | 6.6 | 5.5 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R178(K371) | Single-Family | 51.8 | 52.8 | 55.6 | 3.8 | 2.8 | 52.5 | 53.6 | 56.1 | 3.6 | 2.5 | No |
| R179(K1879) | Single-Family | 63.7 | 64.4 | 67.1 | 3.4 | 2.7 | 64.3 | 65.2 | 68.0 | 3.7 | 2.8 | Yes |
| R180(K1909) | Single-Family | 67.0 | 67.8 | 68.8 | 1.8 | 1.0 | 67.5 | 68.4 | 69.8 | 2.3 | 1.4 | Yes |
| R181(K381) | Multi-Family | 51.2 | 52.3 | 55.6 | 4.4 | 3.3 | 51.9 | 53.0 | 55.9 | 4.0 | 2.9 | No |
| R182(K378) | Single-Family | 49.5 | 50.5 | 53.1 | 3.6 | 2.6 | 50.1 | 51.2 | 53.5 | 3.4 | 2.3 | No |
| R183(K384) | Single-Family | 58.6 | 59.6 | 62.5 | 3.9 | 2.9 | 59.3 | 60.4 | 63.3 | 4.0 | 2.9 | No |
| R184(K389) | Single-Family | 58.4 | 59.4 | 62.3 | 3.9 | 2.9 | 59.1 | 60.2 | 63.1 | 4.0 | 2.9 | No |
| R185(K1820) | Single-Family | 66.6 | 67.6 | 73.1 | 6.5 | 5.5 | 67.4 | 68.4 | 74.2 | 6.8 | 5.8 | Yes |
| R186(K369) | Single-Family | 58.2 | 59.5 | 58.9 | 0.7 | -0.6 | 58.4 | 59.6 | 59.2 | 0.8 | -0.4 | No |
| R187(K1755) | Razed | 63.5 | 64.3 | 65.6 | 2.1 | 1.3 | 64.1 | 65.0 | 66.5 | 2.4 | 1.5 | Yes |
| R188(K1903) | Single-Family | 61.5 | 62.3 | 63.4 | 1.9 | 1.1 | 62.2 | 63.0 | 64.2 | 2.0 | 1.2 | No |
| R189(K1873) | Single-Family | 63.9 | 64.7 | 66.3 | 2.4 | 1.6 | 64.6 | 65.5 | 67.2 | 2.6 | 1.7 | Yes |
| R190(K1834) | Single-Family | 66.7 | 67.7 | 72.5 | 5.8 | 4.8 | 67.5 | 68.6 | 73.6 | 6.1 | 5.0 | Yes |
| R191(K1871) | Single-Family | 64.4 | 65.2 | 66.6 | 2.2 | 1.4 | 65.1 | 66.0 | 67.5 | 2.4 | 1.5 | Yes |
| R192(K427) | Single-Family | 63.8 | 64.9 | 68.5 | 4.7 | 3.6 | 64.5 | 65.6 | 69.3 | 4.8 | 3.7 | Yes |
| R193(K387) | Multi-Family | 59.0 | 60.3 | 59.8 | 0.8 | -0.5 | 59.2 | 60.4 | 60.1 | 0.9 | -0.3 | No |
| R194(K1864) | Single-Family | 64.1 | 65.0 | 66.6 | 2.5 | 1.6 | 65.0 | 66.0 | 67.6 | 2.6 | 1.6 | Yes |
| R195(K1844) | Single-Family | 66.7 | 67.7 | 71.1 | 4.4 | 3.4 | 67.4 | 68.5 | 72.3 | 4.9 | 3.8 | Yes |
| R196(K400) | Multi-Family | 61.1 | 62.2 | 65.5 | 4.4 | 3.3 | 61.6 | 62.8 | 66.3 | 4.7 | 3.5 | Yes |
| R197(K380) | Multi-Family | 56.4 | 57.7 | 57.6 | 1.2 | -0.1 | 56.7 | 57.9 | 58.0 | 1.3 | 0.1 | No |
| R198(K1850) | Single-Family | 67.0 | 68.0 | 71.1 | 4.1 | 3.1 | 67.7 | 68.8 | 72.3 | 4.6 | 3.5 | Yes |
| R199(K397) | Razed | 59.1 | 60.3 | 61.1 | 2.0 | 0.8 | 59.5 | 60.7 | 61.8 | 2.3 | 1.1 | No |
| R200(K432) | Single-Family | 64.6 | 65.7 | 69.0 | 4.4 | 3.3 | 65.2 | 66.3 | 69.8 | 4.6 | 3.5 | Yes |
| R201(K383) | Multi-Family | 56.1 | 57.4 | 57.4 | 1.3 | 0.0 | 56.4 | 57.6 | 57.8 | 1.4 | 0.2 | No |
| R202(K413) | Multi-Family | 62.1 | 63.3 | 64.7 | 2.6 | 1.4 | 62.7 | 63.8 | 65.5 | 2.8 | 1.7 | No |
| R203(K1913) | Single-Family | 56.3 | 57.2 | 58.4 | 2.1 | 1.2 | 57.0 | 57.9 | 59.3 | 2.3 | 1.4 | No |
| R204(K1891) | Single-Family | 65.1 | 66.0 | 67.7 | 2.6 | 1.7 | 65.9 | 67.0 | 68.7 | 2.8 | 1.7 | Yes |
| R205(K1861) | Multi-Family | 67.2 | 68.1 | 71.0 | 3.8 | 2.9 | 67.9 | 68.9 | 72.2 | 4.3 | 3.3 | Yes |
| R206(K445) | Multi-Family | 63.9 | 64.9 | 68.4 | 4.5 | 3.5 | 64.4 | 65.5 | 69.1 | 4.7 | 3.6 | Yes |
| R207(K420) | Multi-Family | 62.0 | 63.2 | 64.0 | 2.0 | 0.8 | 62.5 | 63.6 | 64.7 | 2.2 | 1.1 | No |
| R208(K1764) | Day Care | 66.1 | 67.0 | 68.6 | 2.5 | 1.6 | 66.8 | 67.7 | 69.6 | 2.8 | 1.9 | Yes |
| M-23(K506) | Recreation | 68.1 | 69.1 | 63.6 | -4.5 | -5.5 | 68.5 | 69.6 | 63.8 | -4.7 | -5.8 | No |
| R209(K1897) | Single-Family | 62.2 | 63.2 | 65.5 | 3.3 | 2.3 | 63.1 | 64.2 | 66.6 | 3.5 | 2.4 | Yes |
| R210(K425) | Single-Family | 59.3 | 60.6 | 60.9 | 1.6 | 0.3 | 59.6 | 60.8 | 61.2 | 1.6 | 0.4 | No |
| R211(K1761) | Single-Family | 67.7 | 68.7 | 71.6 | 3.9 | 2.9 | 68.5 | 69.5 | 72.7 | 4.2 | 3.2 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R212(K454) | Multi-Family | 63.8 | 64.9 | 68.2 | 4.4 | 3.3 | 64.4 | 65.5 | 68.9 | 4.5 | 3.4 | Yes |
| R213(K1905) | Single-Family | 62.8 | 63.8 | 66.3 | 3.5 | 2.5 | 63.7 | 64.8 | 67.4 | 3.7 | 2.6 | Yes |
| R214(K435) | Single-Family | 58.9 | 60.2 | 60.4 | 1.5 | 0.2 | 59.2 | 60.4 | 60.8 | 1.6 | 0.4 | No |
| R215(K1926) | Multi-Family | 57.7 | 58.7 | 61.6 | 3.9 | 2.9 | 58.6 | 59.7 | 62.6 | 4.0 | 2.9 | No |
| R216(K422) | Single-Family | 57.8 | 59.0 | 59.8 | 2.0 | 0.8 | 58.4 | 59.5 | 60.3 | 1.9 | 0.8 | No |
| R217(K1932) | Single-Family | 56.4 | 57.4 | 59.0 | 2.6 | 1.6 | 57.2 | 58.3 | 60.1 | 2.9 | 1.8 | No |
| R218(K461) | Single-Family | 64.1 | 65.2 | 68.4 | 4.3 | 3.2 | 64.7 | 65.8 | 69.1 | 4.4 | 3.3 | Yes |
| R219(K1910) | Single-Family | 62.9 | 63.9 | 66.7 | 3.8 | 2.8 | 63.8 | 64.9 | 67.8 | 4.0 | 2.9 | Yes |
| R220(K457) | Single-Family | 62.1 | 63.3 | 64.5 | 2.4 | 1.2 | 62.6 | 63.7 | 65.2 | 2.6 | 1.5 | No |
| R221(K1938) | Single-Family | 59.5 | 60.6 | 63.0 | 3.5 | 2.4 | 60.3 | 61.4 | 64.1 | 3.8 | 2.7 | No |
| R222(K439) | Multi-Family | 56.2 | 57.4 | 59.1 | 2.9 | 1.7 | 56.8 | 57.9 | 60.0 | 3.2 | 2.1 | No |
| R223(K444) | Single-Family | 57.5 | 58.7 | 60.8 | 3.3 | 2.1 | 58.1 | 59.2 | 61.7 | 3.6 | 2.5 | No |
| R224(K1919) | Multi-Family | 64.4 | 65.5 | 68.0 | 3.6 | 2.5 | 65.3 | 66.4 | 69.1 | 3.8 | 2.7 | Yes |
| R225(K412) | Single-Family | 48.1 | 49.2 | 51.0 | 2.9 | 1.8 | 48.6 | 49.7 | 51.5 | 2.9 | 1.8 | No |
| R226(K447) | Single-Family | 57.9 | 59.1 | 61.1 | 3.2 | 2.0 | 58.4 | 59.6 | 61.9 | 3.5 | 2.3 | No |
| R227(K1944) | Single-Family | 59.3 | 60.3 | 62.9 | 3.6 | 2.6 | 60.1 | 61.2 | 64.0 | 3.9 | 2.8 | No |
| R228(K419) | Single-Family | 43.9 | 44.8 | 47.9 | 4.0 | 3.1 | 44.5 | 45.5 | 48.6 | 4.1 | 3.1 | No |
| R229(K430) | Single-Family | 50.5 | 51.6 | 53.3 | 2.8 | 1.7 | 51.0 | 52.2 | 54.0 | 3.0 | 1.8 | No |
| R230(K1927) | Multi-Family | 64.6 | 65.6 | 68.1 | 3.5 | 2.5 | 65.5 | 66.6 | 69.2 | 3.7 | 2.6 | Yes |
| R231(K626) | Multi-Family | 58.1 | 59.1 | 60.5 | 2.4 | 1.4 | 58.8 | 59.9 | 61.5 | 2.7 | 1.6 | No |
| R232(K452) | Single-Family | 55.7 | 56.8 | 58.7 | 3.0 | 1.9 | 56.2 | 57.4 | 59.4 | 3.2 | 2.0 | No |
| R233(K466) | Multi-Family | 62.9 | 64.1 | 65.6 | 2.7 | 1.5 | 63.6 | 64.7 | 66.5 | 2.9 | 1.8 | Yes |
| R234(K477) | Razed | 64.0 | 65.2 | 66.7 | 2.7 | 1.5 | 64.7 | 65.8 | 67.6 | 2.9 | 1.8 | Yes |
| R235(K495) | Single-Family | 64.9 | 66.1 | 67.7 | 2.8 | 1.6 | 65.6 | 66.7 | 68.5 | 2.9 | 1.8 | Yes |
| R236(K1937) | Single-Family | 64.0 | 65.1 | 68.0 | 4.0 | 2.9 | 65.0 | 66.1 | 69.1 | 4.1 | 3.0 | Yes |
| R237(K620) | Single-Family | 63.4 | 64.4 | 65.8 | 2.4 | 1.4 | 64.2 | 65.3 | 66.8 | 2.6 | 1.5 | Yes |
| R238(K451) | Single-Family | 49.5 | 50.5 | 53.0 | 3.5 | 2.5 | 50.2 | 51.2 | 53.7 | 3.5 | 2.5 | No |
| R239(K649) | Single-Family | 50.3 | 51.3 | 52.1 | 1.8 | 0.8 | 50.5 | 51.6 | 53.0 | 2.5 | 1.4 | No |
| R240(K1954) | Single-Family | 61.3 | 62.3 | 65.4 | 4.1 | 3.1 | 62.3 | 63.4 | 66.5 | 4.2 | 3.1 | Yes |
| R241(K478) | Single-Family | 59.3 | 60.4 | 63.0 | 3.7 | 2.6 | 60.1 | 61.2 | 64.1 | 4.0 | 2.9 | No |
| R242(K644) | Single-Family | 50.3 | 51.3 | 52.0 | 1.7 | 0.7 | 50.3 | 51.5 | 52.9 | 2.6 | 1.4 | No |
| R243(K1948) | Single-Family | 63.4 | 64.4 | 68.0 | 4.6 | 3.6 | 64.4 | 65.5 | 69.1 | 4.7 | 3.6 | Yes |
| R244(K458) | Single-Family | 51.1 | 52.1 | 55.4 | 4.3 | 3.3 | 51.9 | 52.9 | 56.2 | 4.3 | 3.3 | No |
| R245(K525) | Single-Family | 65.3 | 66.4 | 68.4 | 3.1 | 2.0 | 66.0 | 67.1 | 69.3 | 3.3 | 2.2 | Yes |
| R246(K1963) | Single-Family | 60.6 | 61.7 | 64.6 | 4.0 | 2.9 | 61.6 | 62.7 | 65.7 | 4.1 | 3.0 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R247(K643) | Single-Family | 50.1 | 51.1 | 51.9 | 1.8 | 0.8 | 50.2 | 51.3 | 52.8 | 2.6 | 1.5 | No |
| R248(K519) | Multi-Family | 64.3 | 65.4 | 67.5 | 3.2 | 2.1 | 65.0 | 66.1 | 68.5 | 3.5 | 2.4 | Yes |
| R249(K1947) | Restaurant/Bar | 65.3 | 66.3 | 69.3 | 4.0 | 3.0 | 66.3 | 67.4 | 70.4 | 4.1 | 3.0 | No |
| R250(K642) | Single-Family | 52.8 | 53.7 | 54.3 | 1.5 | 0.6 | 53.2 | 54.3 | 55.4 | 2.2 | 1.1 | No |
| R251(K1966) | Commercial | 59.6 | 60.6 | 61.8 | 2.2 | 1.2 | 60.4 | 61.5 | 62.8 | 2.4 | 1.3 | No |
| R252(K469) | Single-Family | 54.1 | 55.1 | 57.9 | 3.8 | 2.8 | 54.7 | 55.8 | 58.8 | 4.1 | 3.0 | No |
| R253(K499) | Single-Family | 61.5 | 62.5 | 65.4 | 3.9 | 2.9 | 62.2 | 63.3 | 66.5 | 4.3 | 3.2 | Yes |
| R254(K534) | Restaurant/Bar | 65.4 | 66.5 | 68.7 | 3.3 | 2.2 | 66.0 | 67.1 | 69.6 | 3.6 | 2.5 | No |
| R255(K510) | Multi-Family | 62.0 | 63.1 | 65.5 | 3.5 | 2.4 | 62.8 | 63.9 | 66.5 | 3.7 | 2.6 | Yes |
| R256(K641) | Single-Family | 55.4 | 56.4 | 57.2 | 1.8 | 0.8 | 56.1 | 57.2 | 58.3 | 2.2 | 1.1 | No |
| R257(K475) | Razed | 52.3 | 53.2 | 55.9 | 3.6 | 2.7 | 52.9 | 54.0 | 56.8 | 3.9 | 2.8 | No |
| R258(K614) | Single-Family | 65.2 | 66.2 | 68.4 | 3.2 | 2.2 | 66.1 | 67.1 | 69.5 | 3.4 | 2.4 | Yes |
| R259(K639) | Multi-Family | 62.3 | 63.3 | 65.0 | 2.7 | 1.7 | 63.2 | 64.3 | 66.1 | 2.9 | 1.8 | Yes |
| R260(K486) | Single-Family | 54.7 | 55.7 | 58.2 | 3.5 | 2.5 | 55.4 | 56.4 | 59.2 | 3.8 | 2.8 | No |
| R261(K491) | Single-Family | 54.3 | 55.3 | 58.1 | 3.8 | 2.8 | 54.9 | 56.0 | 58.9 | 4.0 | 2.9 | No |
| R262(K613) | Single-Family | 65.8 | 66.8 | 69.1 | 3.3 | 2.3 | 66.7 | 67.8 | 70.2 | 3.5 | 2.4 | Yes |
| R263(K498) | Single-Family | 51.0 | 51.9 | 54.5 | 3.5 | 2.6 | 51.6 | 52.6 | 55.1 | 3.5 | 2.5 | No |
| R264(K1781) | Office | 68.3 | 69.4 | 71.0 | 2.7 | 1.6 | 68.9 | 69.9 | 71.6 | 2.7 | 1.7 | Yes |
| R265(K503) | Single-Family | 49.4 | 50.3 | 53.0 | 3.6 | 2.7 | 50.0 | 51.0 | 53.6 | 3.6 | 2.6 | No |
| R266(K610) | Single-Family | 66.1 | 67.2 | 69.4 | 3.3 | 2.2 | 67.0 | 68.1 | 70.5 | 3.5 | 2.4 | Yes |
| R267(K608) | Single-Family | 67.2 | 68.2 | 70.2 | 3.0 | 2.0 | 68.1 | 69.2 | 71.3 | 3.2 | 2.1 | Yes |
| R268(K559) | Commercial | 65.1 | 66.0 | 68.0 | 2.9 | 2.0 | 65.6 | 66.5 | 68.9 | 3.3 | 2.4 | No |
| R269(K607) | Single-Family | 68.2 | 69.2 | 71.0 | 2.8 | 1.8 | 69.1 | 70.2 | 72.1 | 3.0 | 1.9 | Yes |
| R270(K606 R-50) | Razed | 69.2 | 70.2 | 71.6 | 2.4 | 1.4 | 70.1 | 71.2 | 72.7 | 2.6 | 1.5 | Yes |
| R271(K515) | Single-Family | 55.3 | 56.3 | 59.6 | 4.3 | 3.3 | 56.3 | 57.3 | 60.5 | 4.2 | 3.2 | No |
| R272(K722) | Single-Family | 68.7 | 69.3 | 69.3 | 0.6 | 0.0 | 66.3 | 67.4 | 68.4 | 2.1 | 1.0 | Yes |
| R273(K729) | Multi-Family | 67.5 | 68.4 | 68.3 | 0.8 | -0.1 | 65.9 | 67.0 | 68.0 | 2.1 | 1.0 | Yes |
| R274(K1791) | Multi-Family | 62.1 | 63.1 | 64.4 | 2.3 | 1.3 | 62.7 | 63.8 | 65.1 | 2.4 | 1.3 | No |
| R275(K720) | Church | 64.3 | 65.3 | 66.4 | 2.1 | 1.1 | 64.5 | 65.6 | 67.3 | 2.8 | 1.7 | Yes |
| R276(K522) | Single-Family | 58.0 | 58.7 | 61.2 | 3.2 | 2.5 | 58.5 | 59.3 | 62.0 | 3.5 | 2.7 | No |
| R277(K680) | School | 70.9 | 71.9 | 72.5 | 1.6 | 0.6 | 71.2 | 72.2 | 73.5 | 2.3 | 1.3 | Yes |
| R278(K555) | Multi-Family | 62.2 | 62.7 | 64.7 | 2.5 | 2.0 | 62.5 | 63.2 | 65.3 | 2.8 | 2.1 | No |
| R279(K1796) | Single-Family | 62.2 | 63.2 | 64.2 | 2.0 | 1.0 | 62.7 | 63.8 | 64.8 | 2.1 | 1.0 | No |
| R280(K554) | Multi-Family | 60.9 | 61.4 | 63.9 | 3.0 | 2.5 | 61.3 | 61.9 | 64.5 | 3.2 | 2.6 | No |
| M-24(K655) | Single-Family | 72.4 | 73.4 | 73.3 | 0.9 | -0.1 | 72.8 | 73.9 | 74.1 | 1.3 | 0.2 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|------------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R281(K1802) | Single-Family | 61.6 | 62.6 | 63.4 | 1.8 | 0.8 | 62.2 | 63.2 | 64.0 | 1.8 | 0.8 | No |
| R282(K730) | Single-Family | 56.6 | 57.7 | 59.0 | 2.4 | 1.3 | 57.5 | 58.6 | 60.1 | 2.6 | 1.5 | No |
| R283(K735) | Single-Family | 55.8 | 56.8 | 58.3 | 2.5 | 1.5 | 56.6 | 57.7 | 59.4 | 2.8 | 1.7 | No |
| R284(K523) | Multi-Family | 58.4 | 58.8 | 61.1 | 2.7 | 2.3 | 58.7 | 59.1 | 61.5 | 2.8 | 2.4 | No |
| R285(K755) | Single-Family | 55.1 | 56.1 | 58.1 | 3.0 | 2.0 | 56.0 | 57.1 | 59.2 | 3.2 | 2.1 | No |
| R286(K549) | Multi-Family | 61.0 | 61.5 | 63.7 | 2.7 | 2.2 | 61.3 | 61.9 | 64.3 | 3.0 | 2.4 | No |
| R287(K645) | Single-Family | 72.0 | 73.0 | 73.5 | 1.5 | 0.5 | 72.3 | 73.3 | 74.3 | 2.0 | 1.0 | Yes |
| R288(K715) | Church | 63.2 | 64.2 | 64.8 | 1.6 | 0.6 | 63.8 | 64.9 | 65.8 | 2.0 | 0.9 | Yes |
| R289(K1818) | Multi-Family | 63.9 | 64.9 | 66.1 | 2.2 | 1.2 | 64.4 | 65.5 | 66.8 | 2.4 | 1.3 | Yes |
| R290(K102) | Multi-Family | 59.6 | 60.3 | 62.7 | 3.1 | 2.4 | 60.1 | 60.9 | 63.5 | 3.4 | 2.6 | No |
| R291(K1785) | Single-Family | 61.3 | 62.3 | 63.7 | 2.4 | 1.4 | 61.9 | 63.0 | 64.6 | 2.7 | 1.6 | No |
| R292(K546) | Single-Family | 60.7 | 61.0 | 63.3 | 2.6 | 2.3 | 60.9 | 61.4 | 63.8 | 2.9 | 2.4 | No |
| R293(K699) | Single-Family | 64.8 | 65.8 | 66.3 | 1.5 | 0.5 | 65.5 | 66.6 | 67.3 | 1.8 | 0.7 | Yes |
| R294(K1805) | Multi-Family | 62.6 | 63.6 | 64.6 | 2.0 | 1.0 | 63.2 | 64.3 | 65.4 | 2.2 | 1.1 | No |
| R295(K791) | Single-Family | 57.8 | 58.8 | 60.0 | 2.2 | 1.2 | 58.5 | 59.6 | 61.0 | 2.5 | 1.4 | No |
| R296(K1837A) | Multi-Family | 64.9 | 66.0 | 67.2 | 2.3 | 1.2 | 65.4 | 66.5 | 67.9 | 2.5 | 1.4 | Yes |
| R297(K909) | Park/Playground/Picnic | 58.5 | 59.5 | 60.6 | 2.1 | 1.1 | 59.2 | 60.3 | 61.6 | 2.4 | 1.3 | No |
| R298(K784) | Single-Family | 57.9 | 59.0 | 60.0 | 2.1 | 1.0 | 58.7 | 59.8 | 60.9 | 2.2 | 1.1 | No |
| R299(K1792) | Single-Family | 56.5 | 57.5 | 60.0 | 3.5 | 2.5 | 57.1 | 58.2 | 60.9 | 3.8 | 2.7 | No |
| R300(K775) | Single-Family | 49.6 | 50.6 | 53.2 | 3.6 | 2.6 | 50.6 | 51.6 | 54.2 | 3.6 | 2.6 | No |
| R301(K782) | Single-Family | 54.2 | 55.2 | 57.2 | 3.0 | 2.0 | 55.1 | 56.2 | 58.2 | 3.1 | 2.0 | No |
| R302(K966) | Single-Family | 46.0 | 47.0 | 48.8 | 2.8 | 1.8 | 46.3 | 47.4 | 49.6 | 3.3 | 2.2 | No |
| R303(K687) | Single-Family | 70.7 | 71.7 | 72.9 | 2.2 | 1.2 | 71.4 | 72.5 | 73.9 | 2.5 | 1.4 | Yes |
| R304(K963) | Single-Family | 57.3 | 58.3 | 59.3 | 2.0 | 1.0 | 58.1 | 59.1 | 60.4 | 2.3 | 1.3 | No |
| R305(K1809) | Single-Family | 61.6 | 62.7 | 64.0 | 2.4 | 1.3 | 62.2 | 63.3 | 64.8 | 2.6 | 1.5 | No |
| R306(K1837) | Multi-Family | 65.5 | 66.6 | 67.8 | 2.3 | 1.2 | 66.1 | 67.1 | 68.5 | 2.4 | 1.4 | Yes |
| R307(K759) | Single-Family | 50.9 | 51.9 | 54.8 | 3.9 | 2.9 | 52.0 | 53.0 | 55.8 | 3.8 | 2.8 | No |
| R308(K682) | Single-Family | 72.0 | 73.1 | 74.2 | 2.2 | 1.1 | 72.8 | 73.9 | 75.1 | 2.3 | 1.2 | Yes |
| R309(K779) | Multi-Family | 60.4 | 61.4 | 62.2 | 1.8 | 0.8 | 61.1 | 62.2 | 63.2 | 2.1 | 1.0 | No |
| R310(K1855 R-49) | Single-Family | 68.3 | 69.3 | 70.5 | 2.2 | 1.2 | 68.8 | 69.8 | 71.1 | 2.3 | 1.3 | Yes |
| R311(K692) | Single-Family | 67.5 | 68.5 | 69.2 | 1.7 | 0.7 | 68.3 | 69.3 | 70.2 | 1.9 | 0.9 | Yes |
| R312(K950) | Single-Family | 57.6 | 58.6 | 59.7 | 2.1 | 1.1 | 58.4 | 59.4 | 60.8 | 2.4 | 1.4 | No |
| R313(K1815) | Single-Family | 61.2 | 62.3 | 64.0 | 2.8 | 1.7 | 61.8 | 62.9 | 64.8 | 3.0 | 1.9 | No |
| R314(K678) | Single-Family | 72.0 | 73.0 | 74.1 | 2.1 | 1.1 | 72.8 | 73.9 | 75.2 | 2.4 | 1.3 | Yes |
| R315(K942) | Single-Family | 58.0 | 59.0 | 60.0 | 2.0 | 1.0 | 58.8 | 59.9 | 61.0 | 2.2 | 1.1 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R316(K935) | Single-Family | 58.6 | 59.7 | 60.4 | 1.8 | 0.7 | 59.4 | 60.5 | 61.5 | 2.1 | 1.0 | No |
| R317(K923) | Single-Family | 58.6 | 59.6 | 60.1 | 1.5 | 0.5 | 59.3 | 60.4 | 61.2 | 1.9 | 0.8 | No |
| R318(K926) | Single-Family | 58.3 | 59.3 | 59.9 | 1.6 | 0.6 | 59.0 | 60.1 | 61.0 | 2.0 | 0.9 | No |
| R319(K737) | Single-Family | 63.1 | 64.2 | 65.4 | 2.3 | 1.2 | 64.0 | 65.0 | 66.4 | 2.4 | 1.4 | Yes |
| R320(K756) | Single-Family | 62.7 | 63.8 | 64.7 | 2.0 | 0.9 | 63.6 | 64.6 | 65.7 | 2.1 | 1.1 | Yes |
| R321(K916) | Single-Family | 58.9 | 59.9 | 59.6 | 0.7 | -0.3 | 59.6 | 60.7 | 60.7 | 1.1 | 0.0 | No |
| R322(K1774) | Single-Family | 59.1 | 60.2 | 63.0 | 3.9 | 2.8 | 59.7 | 60.8 | 63.9 | 4.2 | 3.1 | No |
| R323(K733) | Multi-Family | 60.2 | 61.2 | 64.6 | 4.4 | 3.4 | 61.2 | 62.3 | 65.7 | 4.5 | 3.4 | Yes |
| R324(K745) | Single-Family | 65.1 | 66.2 | 66.9 | 1.8 | 0.7 | 65.9 | 67.0 | 68.0 | 2.1 | 1.0 | Yes |
| R325(K1855) | Single-Family | 65.7 | 66.7 | 67.9 | 2.2 | 1.2 | 66.2 | 67.3 | 68.6 | 2.4 | 1.3 | Yes |
| R326(K915) | Single-Family | 59.9 | 60.9 | 60.4 | 0.5 | -0.5 | 60.6 | 61.7 | 61.4 | 0.8 | -0.3 | No |
| R327(K1826) | Single-Family | 59.2 | 60.3 | 61.8 | 2.6 | 1.5 | 59.7 | 60.8 | 62.6 | 2.9 | 1.8 | No |
| R328(K674) | Single-Family | 73.2 | 74.3 | 75.2 | 2.0 | 0.9 | 74.1 | 75.2 | 76.4 | 2.3 | 1.2 | Yes |
| R329(K736) | Single-Family | 68.5 | 69.5 | 69.5 | 1.0 | 0.0 | 69.1 | 70.2 | 70.4 | 1.3 | 0.2 | Yes |
| R330(K1862) | Multi-Family | 65.5 | 66.5 | 67.8 | 2.3 | 1.3 | 66.0 | 67.0 | 68.4 | 2.4 | 1.4 | Yes |
| R331(K717) | Single-Family | 66.8 | 67.8 | 68.6 | 1.8 | 0.8 | 67.5 | 68.5 | 69.5 | 2.0 | 1.0 | Yes |
| R332(K910) | Single-Family | 59.9 | 60.9 | 60.8 | 0.9 | -0.1 | 60.5 | 61.5 | 61.8 | 1.3 | 0.3 | No |
| R333(K1775) | Single-Family | 52.2 | 53.3 | 56.0 | 3.8 | 2.7 | 52.8 | 53.9 | 56.9 | 4.1 | 3.0 | No |
| R334(K1821) | Single-Family | 52.3 | 53.3 | 55.5 | 3.2 | 2.2 | 53.0 | 54.0 | 56.4 | 3.4 | 2.4 | No |
| R335(KV1880) | Vacant | 69.0 | 70.1 | 71.0 | 2.0 | 0.9 | 69.5 | 70.6 | 71.6 | 2.1 | 1.0 | Yes |
| R336(K1831) | Single-Family | 59.4 | 60.5 | 61.6 | 2.2 | 1.1 | 60.0 | 61.1 | 62.4 | 2.4 | 1.3 | No |
| R337(K587) | Single-Family | 60.1 | 61.1 | 61.2 | 1.1 | 0.1 | 60.6 | 61.7 | 62.2 | 1.6 | 0.5 | No |
| R338(K718) | Single-Family | 68.5 | 69.5 | 70.2 | 1.7 | 0.7 | 69.3 | 70.3 | 71.2 | 1.9 | 0.9 | Yes |
| R339(K583) | Single-Family | 59.5 | 60.6 | 61.1 | 1.6 | 0.5 | 60.2 | 61.3 | 62.0 | 1.8 | 0.7 | No |
| R340(K576) | Single-Family | 60.6 | 61.6 | 62.3 | 1.7 | 0.7 | 61.3 | 62.4 | 63.2 | 1.9 | 0.8 | No |
| R341(K568) | Single-Family | 62.7 | 63.8 | 64.3 | 1.6 | 0.5 | 63.4 | 64.5 | 65.2 | 1.8 | 0.7 | No |
| R342(K573) | Single-Family | 60.8 | 61.9 | 62.5 | 1.7 | 0.6 | 61.5 | 62.6 | 63.5 | 2.0 | 0.9 | No |
| R343(K785) | Multi-Family | 66.5 | 67.5 | 68.1 | 1.6 | 0.6 | 67.2 | 68.3 | 69.1 | 1.9 | 0.8 | Yes |
| R344(K1880) | Single-Family | 64.8 | 65.8 | 67.2 | 2.4 | 1.4 | 65.3 | 66.3 | 67.9 | 2.6 | 1.6 | Yes |
| R345(K857) | Single-Family | 62.0 | 63.0 | 63.5 | 1.5 | 0.5 | 62.7 | 63.8 | 64.5 | 1.8 | 0.7 | No |
| R346(K1840) | Multi-Family | 59.6 | 60.6 | 61.9 | 2.3 | 1.3 | 60.2 | 61.3 | 62.7 | 2.5 | 1.4 | No |
| R347(K1760) | Single-Family | 66.2 | 67.3 | 69.1 | 2.9 | 1.8 | 66.7 | 67.8 | 69.7 | 3.0 | 1.9 | Yes |
| R348(K1819) | Single-Family | 51.5 | 52.5 | 54.7 | 3.2 | 2.2 | 52.1 | 53.2 | 55.5 | 3.4 | 2.3 | No |
| R349(K714) | Multi-Family | 71.2 | 72.2 | 72.9 | 1.7 | 0.7 | 72.0 | 73.1 | 74.0 | 2.0 | 0.9 | Yes |
| R350(K1858) | Multi-Family | 57.3 | 58.4 | 60.6 | 3.3 | 2.2 | 58.0 | 59.1 | 61.4 | 3.4 | 2.3 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| M-25(K707) | Single-Family | 71.1 | 72.1 | 72.6 | 1.5 | 0.5 | 72.0 | 73.0 | 73.8 | 1.8 | 0.8 | Yes |
| R351(K1886) | Single-Family | 67.6 | 68.7 | 70.1 | 2.5 | 1.4 | 68.3 | 69.4 | 70.8 | 2.5 | 1.4 | Yes |
| R352(K1869) | Multi-Family | 51.4 | 52.4 | 54.6 | 3.2 | 2.2 | 52.1 | 53.2 | 55.4 | 3.3 | 2.2 | No |
| R353(K1876) | Razed | 55.8 | 56.8 | 57.9 | 2.1 | 1.1 | 56.4 | 57.5 | 58.7 | 2.3 | 1.2 | No |
| R354(K1890) | Single-Family | 66.9 | 68.0 | 69.5 | 2.6 | 1.5 | 67.6 | 68.7 | 70.2 | 2.6 | 1.5 | Yes |
| R355(K783) | Single-Family | 67.5 | 68.6 | 69.1 | 1.6 | 0.5 | 68.3 | 69.4 | 70.2 | 1.9 | 0.8 | Yes |
| R356(K1851) | Single-Family | 55.0 | 56.1 | 57.7 | 2.7 | 1.6 | 55.5 | 56.6 | 58.5 | 3.0 | 1.9 | No |
| R357(K1900) | Commercial | 68.3 | 69.3 | 70.4 | 2.1 | 1.1 | 68.6 | 69.7 | 70.9 | 2.3 | 1.2 | Yes |
| R358(K1845) | Single-Family | 58.1 | 59.1 | 60.4 | 2.3 | 1.3 | 58.6 | 59.7 | 61.3 | 2.7 | 1.6 | No |
| R359(K1881) | Multi-Family | 61.1 | 62.2 | 63.1 | 2.0 | 0.9 | 61.6 | 62.7 | 63.7 | 2.1 | 1.0 | No |
| R360(KV1908) | Vacant | 65.3 | 66.4 | 67.9 | 2.6 | 1.5 | 65.8 | 66.9 | 68.4 | 2.6 | 1.5 | Yes |
| R361(K773) | Single-Family | 68.5 | 69.5 | 69.9 | 1.4 | 0.4 | 69.3 | 70.4 | 71.0 | 1.7 | 0.6 | Yes |
| R362(K769) | Single-Family | 68.9 | 69.9 | 70.0 | 1.1 | 0.1 | 69.7 | 70.8 | 71.1 | 1.4 | 0.3 | Yes |
| R363(K766) | Single-Family | 71.5 | 72.5 | 72.9 | 1.4 | 0.4 | 72.3 | 73.4 | 74.1 | 1.8 | 0.7 | Yes |
| R364(K1889) | Single-Family | 62.7 | 63.8 | 63.8 | 1.1 | 0.0 | 63.3 | 64.4 | 64.5 | 1.2 | 0.1 | No |
| R365(K1908) | Single-Family | 70.3 | 71.4 | 71.9 | 1.6 | 0.5 | 70.8 | 71.9 | 72.6 | 1.8 | 0.7 | Yes |
| R366(K1893) | Multi-Family | 62.4 | 63.4 | 63.6 | 1.2 | 0.2 | 62.9 | 64.0 | 64.3 | 1.4 | 0.3 | No |
| R367(K1917) | Multi-Family | 70.1 | 71.1 | 71.8 | 1.7 | 0.7 | 70.6 | 71.7 | 72.4 | 1.8 | 0.7 | Yes |
| R368(K1884) | Single-Family | 54.1 | 55.2 | 56.6 | 2.5 | 1.4 | 54.5 | 55.6 | 57.3 | 2.8 | 1.7 | No |
| R369(K1898) | Multi-Family | 60.0 | 61.0 | 61.7 | 1.7 | 0.7 | 60.5 | 61.6 | 62.5 | 2.0 | 0.9 | No |
| R370(K1923) | Multi-Family | 68.6 | 69.7 | 70.6 | 2.0 | 0.9 | 69.1 | 70.2 | 71.1 | 2.0 | 0.9 | Yes |
| R371(KV1923) | Vacant | 67.0 | 68.0 | 68.4 | 1.4 | 0.4 | 67.4 | 68.5 | 69.0 | 1.6 | 0.5 | Yes |
| R372(K7) | Single-Family | 60.2 | 61.3 | 61.1 | 0.9 | -0.2 | 60.8 | 61.9 | 61.8 | 1.0 | -0.1 | No |
| R373(K1936) | Multi-Family | 69.3 | 70.3 | 71.0 | 1.7 | 0.7 | 69.8 | 70.8 | 71.6 | 1.8 | 0.8 | Yes |
| R374(K1907) | Multi-Family | 56.2 | 57.3 | 59.1 | 2.9 | 1.8 | 56.6 | 57.7 | 59.9 | 3.3 | 2.2 | No |
| R375(K1924) | Razed | 53.1 | 54.2 | 56.0 | 2.9 | 1.8 | 53.6 | 54.7 | 56.7 | 3.1 | 2.0 | No |
| R376(K1939) | Single-Family | 69.0 | 70.1 | 70.4 | 1.4 | 0.3 | 69.5 | 70.6 | 71.1 | 1.6 | 0.5 | Yes |
| R377(K1929) | Razed | 54.3 | 55.4 | 56.9 | 2.6 | 1.5 | 54.8 | 55.9 | 57.7 | 2.9 | 1.8 | No |
| R378(K1945) | Multi-Family | 67.0 | 68.0 | 68.9 | 1.9 | 0.9 | 67.5 | 68.5 | 69.5 | 2.0 | 1.0 | Yes |
| R379(K1934) | Single-Family | 62.5 | 63.5 | 63.7 | 1.2 | 0.2 | 62.9 | 64.0 | 64.5 | 1.6 | 0.5 | No |
| R380(K1934 R-51) | Single-Family | 65.5 | 66.6 | 66.8 | 1.3 | 0.2 | 66.1 | 67.2 | 67.8 | 1.7 | 0.6 | Yes |
| R381(K696) | Single-Family | 65.1 | 66.2 | 66.7 | 1.6 | 0.5 | 65.7 | 66.8 | 67.5 | 1.8 | 0.7 | Yes |
| R382(K689) | Single-Family | 62.6 | 63.6 | 64.1 | 1.5 | 0.5 | 63.1 | 64.2 | 64.9 | 1.8 | 0.7 | No |
| R383(K691) | Single-Family | 62.4 | 63.4 | 63.9 | 1.5 | 0.5 | 62.9 | 64.0 | 64.7 | 1.8 | 0.7 | No |
| R384(K695) | Single-Family | 63.1 | 64.1 | 64.7 | 1.6 | 0.6 | 63.6 | 64.7 | 65.5 | 1.9 | 0.8 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|----------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| M-26(K697) | Single-Family | 71.0 | 72.0 | 72.6 | 1.6 | 0.6 | 71.4 | 72.4 | 73.2 | 1.8 | 0.8 | Yes |
| R385(K694 R-52) | Single-Family | 66.4 | 67.1 | 68.1 | 1.7 | 1.0 | 67.0 | 67.8 | 68.8 | 1.8 | 1.0 | Yes |
| R386(K988) | Multi-Family | 48.3 | 49.3 | 50.5 | 2.2 | 1.2 | 49.0 | 50.1 | 51.4 | 2.4 | 1.3 | No |
| R387(K978) | Single-Family | 48.3 | 49.3 | 50.8 | 2.5 | 1.5 | 49.0 | 50.1 | 51.7 | 2.7 | 1.6 | No |
| R388(K997) | Multi-Family | 50.0 | 51.0 | 52.7 | 2.7 | 1.7 | 50.8 | 51.9 | 53.6 | 2.8 | 1.7 | No |
| R389(K987) | Single-Family | 56.0 | 57.0 | 58.4 | 2.4 | 1.4 | 56.8 | 57.9 | 59.4 | 2.6 | 1.5 | No |
| R390(K995) | Multi-Family | 55.2 | 56.2 | 57.6 | 2.4 | 1.4 | 56.1 | 57.1 | 58.6 | 2.5 | 1.5 | No |
| R391(K980) | Single-Family | 57.1 | 58.1 | 59.4 | 2.3 | 1.3 | 58.0 | 59.0 | 60.3 | 2.3 | 1.3 | No |
| R392(K1012) | Single-Family | 54.7 | 55.7 | 57.1 | 2.4 | 1.4 | 55.4 | 56.5 | 58.1 | 2.7 | 1.6 | No |
| R393(K811) | Single-Family | 56.4 | 57.5 | 59.8 | 3.4 | 2.3 | 57.2 | 58.2 | 60.7 | 3.5 | 2.5 | No |
| R394(K959) | Single-Family | 61.5 | 62.5 | 63.0 | 1.5 | 0.5 | 62.3 | 63.3 | 64.0 | 1.7 | 0.7 | No |
| R395(K971) | Single-Family | 59.9 | 60.9 | 61.9 | 2.0 | 1.0 | 60.7 | 61.8 | 62.8 | 2.1 | 1.0 | No |
| R396(KV811) | Vacant | 65.8 | 66.8 | 67.7 | 1.9 | 0.9 | 66.5 | 67.5 | 68.6 | 2.1 | 1.1 | Yes |
| R397(K802) | Multi-Family | 62.0 | 63.0 | 64.0 | 2.0 | 1.0 | 62.6 | 63.7 | 65.0 | 2.4 | 1.3 | No |
| R398(K804) | Single-Family | 60.1 | 61.2 | 62.2 | 2.1 | 1.0 | 60.7 | 61.8 | 63.2 | 2.5 | 1.4 | No |
| R399(K961) | Single-Family | 63.9 | 64.9 | 65.5 | 1.6 | 0.6 | 64.7 | 65.7 | 66.5 | 1.8 | 0.8 | Yes |
| R400(K949) | Single-Family | 66.8 | 67.9 | 68.5 | 1.7 | 0.6 | 67.6 | 68.7 | 69.5 | 1.9 | 0.8 | Yes |
| R401(K798) | Multi-Family | 62.0 | 63.0 | 64.1 | 2.1 | 1.1 | 62.6 | 63.7 | 65.1 | 2.5 | 1.4 | No |
| R402(K796) | Multi-Family | 62.2 | 63.3 | 64.2 | 2.0 | 0.9 | 62.9 | 64.0 | 65.2 | 2.3 | 1.2 | No |
| R403(K931) | Single-Family | 69.5 | 70.6 | 70.6 | 1.1 | 0.0 | 70.3 | 71.3 | 71.5 | 1.2 | 0.2 | Yes |
| R404(K1019) | Multi-Family | 61.2 | 62.3 | 63.3 | 2.1 | 1.0 | 61.9 | 63.0 | 64.3 | 2.4 | 1.3 | No |
| R405(K1016) | Multi-Family | 61.3 | 62.3 | 63.3 | 2.0 | 1.0 | 62.0 | 63.1 | 64.2 | 2.2 | 1.1 | No |
| R406(K928) | Single-Family | 70.6 | 71.6 | 71.8 | 1.2 | 0.2 | 71.3 | 72.4 | 72.7 | 1.4 | 0.3 | Yes |
| R407(K1013) | Multi-Family | 60.9 | 61.9 | 62.8 | 1.9 | 0.9 | 61.6 | 62.6 | 63.8 | 2.2 | 1.2 | No |
| R408(K834) | Multi-Family | 60.4 | 61.4 | 63.4 | 3.0 | 2.0 | 61.2 | 62.2 | 64.6 | 3.4 | 2.4 | No |
| R409(K1010) | Multi-Family | 62.1 | 63.1 | 63.8 | 1.7 | 0.7 | 62.8 | 63.8 | 64.7 | 1.9 | 0.9 | No |
| R410(K1009) | Multi-Family | 63.1 | 64.1 | 64.9 | 1.8 | 0.8 | 63.8 | 64.9 | 65.9 | 2.1 | 1.0 | Yes |
| R411(K989) | Single-Family | 66.3 | 67.3 | 68.2 | 1.9 | 0.9 | 67.0 | 68.1 | 69.1 | 2.1 | 1.0 | Yes |
| R412(K1272) | Restaurant/Bar | 59.4 | 60.3 | 60.8 | 1.4 | 0.5 | 60.0 | 60.9 | 61.7 | 1.7 | 0.8 | No |
| R413(K833) | Multi-Family | 61.2 | 62.2 | 64.2 | 3.0 | 2.0 | 62.0 | 63.0 | 65.4 | 3.4 | 2.4 | No |
| R414(K1005) | Single-Family | 68.7 | 69.7 | 70.4 | 1.7 | 0.7 | 69.4 | 70.4 | 71.3 | 1.9 | 0.9 | Yes |
| R415(K829) | Single-Family | 62.8 | 63.8 | 65.9 | 3.1 | 2.1 | 63.5 | 64.6 | 67.1 | 3.6 | 2.5 | Yes |
| R416(K1032) | Single-Family | 54.3 | 55.3 | 57.2 | 2.9 | 1.9 | 55.0 | 56.1 | 58.2 | 3.2 | 2.1 | No |
| R417(K999) | Single-Family | 72.2 | 73.2 | 73.7 | 1.5 | 0.5 | 72.9 | 74.0 | 74.6 | 1.7 | 0.6 | Yes |
| R418(K847) | Single-Family | 61.4 | 62.5 | 64.1 | 2.7 | 1.6 | 62.2 | 63.3 | 65.3 | 3.1 | 2.0 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R419(K828) | Single-Family | 63.3 | 64.3 | 66.4 | 3.1 | 2.1 | 64.1 | 65.1 | 67.6 | 3.5 | 2.5 | Yes |
| R420(K1038) | Single-Family | 54.0 | 55.0 | 57.2 | 3.2 | 2.2 | 54.7 | 55.8 | 58.2 | 3.5 | 2.4 | No |
| R421(K581) | Multi-Family | 70.2 | 71.2 | 71.9 | 1.7 | 0.7 | 70.6 | 71.7 | 72.6 | 2.0 | 0.9 | Yes |
| R422(K582) | Single-Family | 71.4 | 72.4 | 72.9 | 1.5 | 0.5 | 71.8 | 72.9 | 73.6 | 1.8 | 0.7 | Yes |
| R423(K584) | Single-Family | 73.0 | 74.0 | 74.7 | 1.7 | 0.7 | 73.5 | 74.5 | 75.4 | 1.9 | 0.9 | Yes |
| R424(K825) | Single-Family | 63.8 | 64.9 | 66.7 | 2.9 | 1.8 | 64.6 | 65.7 | 68.0 | 3.4 | 2.3 | Yes |
| R425(K575) | Single-Family | 69.3 | 70.3 | 71.0 | 1.7 | 0.7 | 69.8 | 70.8 | 71.7 | 1.9 | 0.9 | Yes |
| R426(K824) | Single-Family | 64.8 | 65.9 | 67.4 | 2.6 | 1.5 | 65.6 | 66.7 | 68.6 | 3.0 | 1.9 | Yes |
| R427(K821) | Single-Family | 65.1 | 66.1 | 67.5 | 2.4 | 1.4 | 65.8 | 66.9 | 68.7 | 2.9 | 1.8 | Yes |
| R428(K1048) | Single-Family | 56.0 | 57.0 | 58.6 | 2.6 | 1.6 | 56.7 | 57.7 | 59.6 | 2.9 | 1.9 | No |
| R429(K850) | Single-Family | 64.8 | 65.8 | 67.7 | 2.9 | 1.9 | 65.6 | 66.7 | 68.9 | 3.3 | 2.2 | Yes |
| R430(K574) | Single-Family | 68.2 | 69.2 | 69.9 | 1.7 | 0.7 | 68.6 | 69.7 | 70.6 | 2.0 | 0.9 | Yes |
| R431(K572) | Single-Family | 67.8 | 68.8 | 69.5 | 1.7 | 0.7 | 68.3 | 69.3 | 70.3 | 2.0 | 1.0 | Yes |
| R432(K1054) | Single-Family | 58.9 | 59.9 | 60.4 | 1.5 | 0.5 | 59.6 | 60.7 | 61.5 | 1.9 | 0.8 | No |
| R433(K1020) | Multi-Family | 65.2 | 66.2 | 68.2 | 3.0 | 2.0 | 66.0 | 67.1 | 69.4 | 3.4 | 2.3 | Yes |
| R434(K817) | Single-Family | 66.4 | 67.4 | 68.4 | 2.0 | 1.0 | 67.2 | 68.3 | 69.6 | 2.4 | 1.3 | Yes |
| R435(K864) | Single-Family | 61.4 | 62.5 | 63.6 | 2.2 | 1.1 | 62.2 | 63.3 | 64.7 | 2.5 | 1.4 | No |
| R436(K1026) | Single-Family | 65.9 | 66.9 | 68.8 | 2.9 | 1.9 | 66.7 | 67.7 | 70.0 | 3.3 | 2.3 | Yes |
| R437(K571) | Multi-Family | 67.0 | 68.0 | 68.8 | 1.8 | 0.8 | 67.5 | 68.5 | 69.6 | 2.1 | 1.1 | Yes |
| R438(K812) | Single-Family | 65.9 | 66.9 | 68.0 | 2.1 | 1.1 | 66.7 | 67.7 | 69.2 | 2.5 | 1.5 | Yes |
| R439(K954 R-53) | Razed | 73.2 | 74.2 | 74.8 | 1.6 | 0.6 | 73.7 | 74.7 | 75.6 | 1.9 | 0.9 | Yes |
| R440(K813) | Single-Family | 66.6 | 67.7 | 68.5 | 1.9 | 0.8 | 67.5 | 68.5 | 69.7 | 2.2 | 1.2 | Yes |
| R441(K1030) | Single-Family | 65.8 | 66.9 | 68.9 | 3.1 | 2.0 | 66.7 | 67.7 | 70.1 | 3.4 | 2.4 | Yes |
| R442(K569) | Single-Family | 66.3 | 67.3 | 68.2 | 1.9 | 0.9 | 66.8 | 67.9 | 69.0 | 2.2 | 1.1 | Yes |
| R443(K806) | Single-Family | 70.2 | 71.2 | 71.8 | 1.6 | 0.6 | 71.0 | 72.1 | 72.9 | 1.9 | 0.8 | Yes |
| R444(K814) | Single-Family | 69.9 | 70.9 | 71.4 | 1.5 | 0.5 | 70.7 | 71.8 | 72.6 | 1.9 | 0.8 | Yes |
| R445(K1035) | Multi-Family | 65.8 | 66.8 | 68.9 | 3.1 | 2.1 | 66.6 | 67.7 | 70.1 | 3.5 | 2.4 | Yes |
| R446(K803) | Single-Family | 70.5 | 71.5 | 72.1 | 1.6 | 0.6 | 71.3 | 72.4 | 73.3 | 2.0 | 0.9 | Yes |
| R447(K938) | Razed | 71.2 | 72.2 | 72.6 | 1.4 | 0.4 | 71.7 | 72.7 | 73.4 | 1.7 | 0.7 | Yes |
| R448(K799) | Single-Family | 70.9 | 71.9 | 72.5 | 1.6 | 0.6 | 71.7 | 72.8 | 73.7 | 2.0 | 0.9 | Yes |
| R449(K872) | Single-Family | 59.8 | 60.8 | 61.7 | 1.9 | 0.9 | 60.6 | 61.6 | 62.7 | 2.1 | 1.1 | No |
| R450(K566) | Single-Family | 66.3 | 67.3 | 68.2 | 1.9 | 0.9 | 66.9 | 67.9 | 69.0 | 2.1 | 1.1 | Yes |
| R451(KV903) | Vacant | 68.3 | 69.3 | 70.1 | 1.8 | 0.8 | 69.1 | 70.1 | 71.1 | 2.0 | 1.0 | Yes |
| R452(K941) | Multi-Family | 69.0 | 70.0 | 70.4 | 1.4 | 0.4 | 69.5 | 70.6 | 71.2 | 1.7 | 0.6 | Yes |
| R453(K797) | Single-Family | 72.2 | 73.2 | 73.9 | 1.7 | 0.7 | 73.1 | 74.1 | 75.0 | 1.9 | 0.9 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R454(K932) | Single-Family | 65.4 | 66.4 | 67.2 | 1.8 | 0.8 | 66.0 | 67.1 | 68.1 | 2.1 | 1.0 | Yes |
| R455(K1017) | Single-Family | 73.4 | 74.5 | 74.6 | 1.2 | 0.1 | 74.2 | 75.3 | 75.7 | 1.5 | 0.4 | Yes |
| R456(K1007) | Single-Family | 73.3 | 74.3 | 74.7 | 1.4 | 0.4 | 73.8 | 74.8 | 75.5 | 1.7 | 0.7 | Yes |
| R457(K860) | Single-Family | 65.9 | 66.9 | 67.8 | 1.9 | 0.9 | 66.5 | 67.5 | 68.6 | 2.1 | 1.1 | Yes |
| R458(K875) | Undeveloped Land | 57.7 | 58.7 | 61.4 | 3.7 | 2.7 | 58.5 | 59.5 | 62.5 | 4.0 | 3.0 | No |
| R459(K1043) | Multi-Family | 65.8 | 66.8 | 69.0 | 3.2 | 2.2 | 66.7 | 67.8 | 70.2 | 3.5 | 2.4 | Yes |
| R460(K1532) | Single-Family | 46.4 | 47.4 | 48.2 | 1.8 | 0.8 | 47.2 | 48.2 | 49.1 | 1.9 | 0.9 | No |
| R461(K1006) | Single-Family | 71.3 | 72.3 | 72.7 | 1.4 | 0.4 | 71.8 | 72.9 | 73.5 | 1.7 | 0.6 | Yes |
| R462(K1000) | Single-Family | 70.2 | 71.2 | 71.7 | 1.5 | 0.5 | 70.7 | 71.8 | 72.5 | 1.8 | 0.7 | Yes |
| R463(K1004) | Single-Family | 70.6 | 71.7 | 72.1 | 1.5 | 0.4 | 71.2 | 72.2 | 72.9 | 1.7 | 0.7 | Yes |
| R464(K996) | Single-Family | 69.4 | 70.4 | 70.9 | 1.5 | 0.5 | 69.9 | 71.0 | 71.7 | 1.8 | 0.7 | Yes |
| R465(K1502) | Multi-Family | 39.6 | 40.6 | 41.2 | 1.6 | 0.6 | 40.5 | 41.5 | 42.2 | 1.7 | 0.7 | No |
| R466(K1050) | Multi-Family | 66.0 | 67.0 | 69.1 | 3.1 | 2.1 | 66.9 | 67.9 | 70.3 | 3.4 | 2.4 | Yes |
| R467(K929) | Single-Family | 64.3 | 65.3 | 66.2 | 1.9 | 0.9 | 65.1 | 66.1 | 67.1 | 2.0 | 1.0 | Yes |
| R468(K1545) | Multi-Family | 48.0 | 49.0 | 49.2 | 1.2 | 0.2 | 48.9 | 49.9 | 50.3 | 1.4 | 0.4 | No |
| R469(KV91) | Vacant | 56.3 | 57.3 | 58.9 | 2.6 | 1.6 | 56.9 | 58.0 | 59.9 | 3.0 | 1.9 | No |
| R470(K859) | Single-Family | 65.5 | 66.5 | 67.2 | 1.7 | 0.7 | 66.0 | 67.1 | 68.1 | 2.1 | 1.0 | Yes |
| R471(K994) | Single-Family | 68.9 | 69.9 | 70.5 | 1.6 | 0.6 | 69.5 | 70.5 | 71.3 | 1.8 | 0.8 | Yes |
| R472(KV903) | Vacant | 68.7 | 69.7 | 70.6 | 1.9 | 0.9 | 69.4 | 70.5 | 71.6 | 2.2 | 1.1 | Yes |
| R473(K1506) | Multi-Family | 47.2 | 48.2 | 46.7 | -0.5 | -1.5 | 48.1 | 49.1 | 47.8 | -0.3 | -1.3 | No |
| R474(KV91) | Vacant | 57.3 | 58.3 | 60.1 | 2.8 | 1.8 | 57.9 | 59.0 | 61.0 | 3.1 | 2.0 | No |
| R475(K925) | Single-Family | 63.3 | 64.3 | 65.3 | 2.0 | 1.0 | 64.1 | 65.1 | 66.2 | 2.1 | 1.1 | Yes |
| M-36(K1573) | School | 70.4 | 71.4 | 74.6 | 4.2 | 3.2 | 71.2 | 72.2 | 75.5 | 4.3 | 3.3 | Yes |
| R476(K1520) | Multi-Family | 47.5 | 48.5 | 49.4 | 1.9 | 0.9 | 48.4 | 49.4 | 50.4 | 2.0 | 1.0 | No |
| R477(K1560) | Multi-Family | 48.1 | 49.0 | 49.6 | 1.5 | 0.6 | 49.0 | 50.0 | 50.5 | 1.5 | 0.5 | No |
| M-27(K1007) | Single-Family | 73.9 | 74.9 | 75.3 | 1.4 | 0.4 | 74.3 | 75.4 | 76.1 | 1.8 | 0.7 | Yes |
| R478(K856) | Single-Family | 65.2 | 66.2 | 67.0 | 1.8 | 0.8 | 65.8 | 66.8 | 67.8 | 2.0 | 1.0 | Yes |
| R480(K861) | Multi-Family | 66.5 | 67.5 | 69.5 | 3.0 | 2.0 | 67.4 | 68.4 | 70.7 | 3.3 | 2.3 | Yes |
| R481(K1509) | Multi-Family | 53.1 | 54.1 | 53.9 | 0.8 | -0.2 | 53.9 | 54.9 | 54.9 | 1.0 | 0.0 | No |
| R482(K792) | Single-Family | 65.0 | 66.0 | 66.7 | 1.7 | 0.7 | 65.5 | 66.6 | 67.6 | 2.1 | 1.0 | Yes |
| R483(K1179) | Single-Family | 50.2 | 51.2 | 52.1 | 1.9 | 0.9 | 50.8 | 51.9 | 53.0 | 2.2 | 1.1 | No |
| R484(K1981) | Razed | 41.7 | 42.7 | 42.7 | 1.0 | 0.0 | 42.6 | 43.6 | 43.6 | 1.0 | 0.0 | No |
| R485(KV1061) | Vacant | 68.9 | 69.9 | 70.8 | 1.9 | 0.9 | 69.7 | 70.7 | 71.8 | 2.1 | 1.1 | Yes |
| R486(K1191) | Multi-Family | 46.5 | 47.5 | 48.1 | 1.6 | 0.6 | 47.4 | 48.4 | 49.0 | 1.6 | 0.6 | No |
| R487(K1533) | Multi-Family | 53.0 | 54.0 | 51.3 | -1.7 | -2.7 | 53.9 | 54.9 | 52.7 | -1.2 | -2.2 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R488(K863) | Single-Family | 67.0 | 68.0 | 69.7 | 2.7 | 1.7 | 67.8 | 68.9 | 70.9 | 3.1 | 2.0 | Yes |
| R489(K924) | Single-Family | 62.6 | 63.6 | 64.7 | 2.1 | 1.1 | 63.3 | 64.4 | 65.6 | 2.3 | 1.2 | Yes |
| R490(K1171) | Single-Family | 44.9 | 45.9 | 46.3 | 1.4 | 0.4 | 45.6 | 46.6 | 47.2 | 1.6 | 0.6 | No |
| R491(K1187) | Single-Family | 34.5 | 35.5 | 36.8 | 2.3 | 1.3 | 35.2 | 36.3 | 37.8 | 2.6 | 1.5 | No |
| R492(K1180) | Single-Family | 44.1 | 45.1 | 45.8 | 1.7 | 0.7 | 45.0 | 46.0 | 46.7 | 1.7 | 0.7 | No |
| R493(K1559) | Multi-Family | 51.7 | 52.7 | 52.4 | 0.7 | -0.3 | 52.5 | 53.5 | 53.3 | 0.8 | -0.2 | No |
| R494(K1568) | Multi-Family | 52.3 | 53.3 | 53.2 | 0.9 | -0.1 | 53.3 | 54.3 | 54.1 | 0.8 | -0.2 | No |
| R495(K1615) | Single-Family | 73.9 | 74.9 | 75.8 | 1.9 | 0.9 | 74.5 | 75.5 | 76.3 | 1.8 | 0.8 | Yes |
| R496(K2006) | Single-Family | 62.8 | 63.8 | 65.0 | 2.2 | 1.2 | 63.1 | 64.1 | 65.7 | 2.6 | 1.6 | Yes |
| M-38(K1609) | Single-Family | 72.7 | 73.7 | 74.2 | 1.5 | 0.5 | 73.2 | 74.2 | 74.7 | 1.5 | 0.5 | Yes |
| R497(K790) | Single-Family | 64.4 | 65.4 | 66.1 | 1.7 | 0.7 | 64.9 | 66.0 | 67.0 | 2.1 | 1.0 | Yes |
| R498(K869) | Multi-Family | 67.0 | 68.0 | 69.7 | 2.7 | 1.7 | 67.9 | 68.9 | 70.9 | 3.0 | 2.0 | Yes |
| R499(K1172) | Single-Family | 43.7 | 44.7 | 45.6 | 1.9 | 0.9 | 44.5 | 45.5 | 46.4 | 1.9 | 0.9 | No |
| R500(K1620) | Single-Family | 73.0 | 74.0 | 75.2 | 2.2 | 1.2 | 73.6 | 74.6 | 75.8 | 2.2 | 1.2 | Yes |
| R501(K2004) | Single-Family | 65.3 | 66.3 | 68.0 | 2.7 | 1.7 | 65.7 | 66.7 | 68.8 | 3.1 | 2.1 | Yes |
| R502(K2005) | Single-Family | 64.6 | 65.6 | 67.4 | 2.8 | 1.8 | 64.9 | 65.9 | 68.2 | 3.3 | 2.3 | Yes |
| R503(K1622) | Single-Family | 72.8 | 73.8 | 75.1 | 2.3 | 1.3 | 73.3 | 74.3 | 75.7 | 2.4 | 1.4 | Yes |
| R504(K1630) | Single-Family | 71.9 | 72.9 | 74.1 | 2.2 | 1.2 | 72.4 | 73.4 | 74.8 | 2.4 | 1.4 | Yes |
| R505(K1674) | Single-Family | 66.8 | 67.8 | 69.6 | 2.8 | 1.8 | 67.1 | 68.2 | 70.4 | 3.3 | 2.2 | Yes |
| M-31(K1979) | Multi-Family | 68.6 | 69.6 | 69.4 | 0.8 | -0.2 | 68.7 | 69.7 | 69.5 | 0.8 | -0.2 | Yes |
| R506(K927) | Single-Family | 63.6 | 64.6 | 65.5 | 1.9 | 0.9 | 64.4 | 65.4 | 66.5 | 2.1 | 1.1 | Yes |
| R507(K1564) | Multi-Family | 61.6 | 62.5 | 61.3 | -0.3 | -1.2 | 62.2 | 63.2 | 62.1 | -0.1 | -1.1 | No |
| R508(K1627) | Single-Family | 72.2 | 73.2 | 74.4 | 2.2 | 1.2 | 72.7 | 73.7 | 75.1 | 2.4 | 1.4 | Yes |
| R509(K1573) | School | 68.3 | 69.3 | 70.7 | 2.4 | 1.4 | 69.0 | 70.0 | 71.1 | 2.1 | 1.1 | Yes |
| R510(K1670 R-61) | Multi-Family | 67.9 | 68.9 | 70.8 | 2.9 | 1.9 | 68.3 | 69.3 | 71.6 | 3.3 | 2.3 | Yes |
| R511(K789) | Single-Family | 64.1 | 65.0 | 65.8 | 1.7 | 0.8 | 64.6 | 65.6 | 66.8 | 2.2 | 1.2 | Yes |
| R512(K1642) | Single-Family | 70.4 | 71.4 | 73.1 | 2.7 | 1.7 | 70.9 | 71.9 | 73.8 | 2.9 | 1.9 | Yes |
| R513(K899) | Single-Family | 60.2 | 61.2 | 63.2 | 3.0 | 2.0 | 61.1 | 62.2 | 64.3 | 3.2 | 2.1 | No |
| R514(K1174) | Single-Family | 46.3 | 47.3 | 47.9 | 1.6 | 0.6 | 47.1 | 48.1 | 48.7 | 1.6 | 0.6 | No |
| R515(K1569) | Multi-Family | 63.6 | 64.6 | 63.4 | -0.2 | -1.2 | 64.3 | 65.2 | 64.1 | -0.2 | -1.1 | No |
| R516(K1638) | Single-Family | 70.4 | 71.4 | 72.9 | 2.5 | 1.5 | 70.9 | 71.9 | 73.6 | 2.7 | 1.7 | Yes |
| R517(K1652) | Single-Family | 68.2 | 69.2 | 71.0 | 2.8 | 1.8 | 68.6 | 69.6 | 71.7 | 3.1 | 2.1 | Yes |
| R518(K1665) | Single-Family | 68.2 | 69.3 | 71.1 | 2.9 | 1.8 | 68.7 | 69.7 | 71.9 | 3.2 | 2.2 | Yes |
| R519(K2012) | Multi-Family | 56.2 | 57.1 | 57.4 | 1.2 | 0.3 | 56.3 | 57.2 | 57.9 | 1.6 | 0.7 | No |
| R520(K2014) | Multi-Family | 58.4 | 59.2 | 59.2 | 0.8 | 0.0 | 58.4 | 59.3 | 59.6 | 1.2 | 0.3 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R521(KV1061) | Vacant | 69.4 | 70.4 | 71.3 | 1.9 | 0.9 | 70.2 | 71.2 | 72.3 | 2.1 | 1.1 | Yes |
| M-35(K1503) | Multi-Family | 69.9 | 70.9 | 70.6 | 0.7 | -0.3 | 70.7 | 71.7 | 71.3 | 0.6 | -0.4 | Yes |
| R522(K922) | Single-Family | 62.5 | 63.5 | 64.6 | 2.1 | 1.1 | 63.3 | 64.4 | 65.6 | 2.3 | 1.2 | Yes |
| R523(K1578) | Multi-Family | 58.3 | 59.3 | 58.2 | -0.1 | -1.1 | 59.1 | 60.1 | 59.2 | 0.1 | -0.9 | No |
| R524(K881) | Single-Family | 63.4 | 64.4 | 65.4 | 2.0 | 1.0 | 64.2 | 65.2 | 66.5 | 2.3 | 1.3 | Yes |
| R525(K1570) | Multi-Family | 69.1 | 70.1 | 69.6 | 0.5 | -0.5 | 69.7 | 70.6 | 70.2 | 0.5 | -0.4 | Yes |
| R526(K2009) | Multi-Family | 55.7 | 56.6 | 57.0 | 1.3 | 0.4 | 55.9 | 56.9 | 57.7 | 1.8 | 0.8 | No |
| R527(K2011) | Multi-Family | 55.6 | 56.5 | 57.2 | 1.6 | 0.7 | 55.7 | 56.7 | 57.8 | 2.1 | 1.1 | No |
| M-30(K1176) | Single-Family | 65.6 | 66.6 | 68.1 | 2.5 | 1.5 | 66.0 | 67.0 | 68.4 | 2.4 | 1.4 | Yes |
| R528(K903) | Single-Family | 59.9 | 60.9 | 63.7 | 3.8 | 2.8 | 60.9 | 61.9 | 64.9 | 4.0 | 3.0 | No |
| R529(K921) | Single-Family | 62.1 | 63.1 | 64.4 | 2.3 | 1.3 | 62.9 | 64.0 | 65.4 | 2.5 | 1.4 | No |
| R530(K1181) | Single-Family | 51.7 | 52.7 | 53.6 | 1.9 | 0.9 | 52.6 | 53.5 | 54.4 | 1.8 | 0.9 | No |
| R531(K1621) | Single-Family | 68.4 | 69.4 | 70.6 | 2.2 | 1.2 | 68.9 | 69.9 | 71.2 | 2.3 | 1.3 | Yes |
| R532(K2008) | Multi-Family | 55.6 | 56.6 | 56.9 | 1.3 | 0.3 | 55.9 | 56.8 | 57.7 | 1.8 | 0.9 | No |
| M-37(K1616) | Single-Family | 67.2 | 68.3 | 69.2 | 2.0 | 0.9 | 67.6 | 68.6 | 69.8 | 2.2 | 1.2 | Yes |
| R533(K2007) | Multi-Family | 56.8 | 57.8 | 58.2 | 1.4 | 0.4 | 57.0 | 58.0 | 59.0 | 2.0 | 1.0 | No |
| R534(K879) | Single-Family | 68.7 | 69.7 | 70.4 | 1.7 | 0.7 | 69.5 | 70.5 | 71.6 | 2.1 | 1.1 | Yes |
| R535(K1705) | Multi-Family | 56.6 | 57.6 | 58.9 | 2.3 | 1.3 | 56.9 | 57.9 | 59.7 | 2.8 | 1.8 | No |
| R536(K2024) | Multi-Family | 60.7 | 61.4 | 61.3 | 0.6 | -0.1 | 60.9 | 61.7 | 61.7 | 0.8 | 0.0 | No |
| R537(K85) | Single-Family | 65.4 | 66.4 | 67.3 | 1.9 | 0.9 | 66.4 | 67.4 | 68.2 | 1.8 | 0.8 | Yes |
| R538(K1602) | Single-Family | 68.5 | 69.4 | 70.3 | 1.8 | 0.9 | 69.3 | 70.3 | 71.0 | 1.7 | 0.7 | Yes |
| R539(K1611) | Single-Family | 62.9 | 63.9 | 64.8 | 1.9 | 0.9 | 64.0 | 65.0 | 65.8 | 1.8 | 0.8 | Yes |
| R540(K1624) | Single-Family | 66.8 | 67.8 | 69.0 | 2.2 | 1.2 | 67.3 | 68.3 | 69.7 | 2.4 | 1.4 | Yes |
| M-28(K879) | Single-Family | 73.9 | 74.9 | 75.3 | 1.4 | 0.4 | 74.7 | 75.8 | 76.5 | 1.8 | 0.7 | Yes |
| R541(K1629) | Single-Family | 64.7 | 65.7 | 67.0 | 2.3 | 1.3 | 65.3 | 66.3 | 67.8 | 2.5 | 1.5 | Yes |
| R542(K1632) | Single-Family | 62.7 | 63.7 | 65.1 | 2.4 | 1.4 | 63.2 | 64.2 | 65.8 | 2.6 | 1.6 | Yes |
| R543(K886) | Multi-Family | 66.6 | 67.6 | 69.7 | 3.1 | 2.1 | 67.5 | 68.5 | 70.9 | 3.4 | 2.4 | Yes |
| R544(K917) | Multi-Family | 61.4 | 62.4 | 63.9 | 2.5 | 1.5 | 62.3 | 63.4 | 64.9 | 2.6 | 1.5 | No |
| R545(K1608) | Single-Family | 71.1 | 72.1 | 73.3 | 2.2 | 1.2 | 72.0 | 72.9 | 73.9 | 1.9 | 1.0 | Yes |
| R546(K1613) | Single-Family | 60.4 | 61.3 | 63.1 | 2.7 | 1.8 | 61.4 | 62.4 | 64.1 | 2.7 | 1.7 | No |
| R547(K1637) | Single-Family | 61.3 | 62.3 | 63.7 | 2.4 | 1.4 | 61.7 | 62.7 | 64.5 | 2.8 | 1.8 | No |
| R548(K1699) | Multi-Family | 57.3 | 58.3 | 59.8 | 2.5 | 1.5 | 57.7 | 58.6 | 60.7 | 3.0 | 2.1 | No |
| R549(KV1077) | Vacant | 69.7 | 70.7 | 71.8 | 2.1 | 1.1 | 70.5 | 71.5 | 72.8 | 2.3 | 1.3 | Yes |
| R550(K1695) | Multi-Family | 58.8 | 59.8 | 61.3 | 2.5 | 1.5 | 59.1 | 60.1 | 62.2 | 3.1 | 2.1 | No |
| R551(K2019) | Single-Family | 53.9 | 54.8 | 54.8 | 0.9 | 0.0 | 54.3 | 55.2 | 55.4 | 1.1 | 0.2 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R552(K2023) | Single-Family | 55.7 | 56.6 | 56.5 | 0.8 | -0.1 | 56.1 | 57.0 | 57.2 | 1.1 | 0.2 | No |
| R553(K2031) | Multi-Family | 58.8 | 59.6 | 59.6 | 0.8 | 0.0 | 59.2 | 60.0 | 60.0 | 0.8 | 0.0 | No |
| R554(K1677) | Single-Family | 59.5 | 60.5 | 61.8 | 2.3 | 1.3 | 59.9 | 60.9 | 62.7 | 2.8 | 1.8 | No |
| R555(K1687) | Multi-Family | 59.3 | 60.3 | 61.5 | 2.2 | 1.2 | 59.7 | 60.7 | 62.4 | 2.7 | 1.7 | No |
| R556(K2018) | Single-Family | 52.1 | 53.0 | 53.7 | 1.6 | 0.7 | 52.4 | 53.4 | 54.4 | 2.0 | 1.0 | No |
| R557(K2037) | Multi-Family | 66.5 | 67.1 | 66.3 | -0.2 | -0.8 | 67.9 | 68.5 | 68.0 | 0.1 | -0.5 | Yes |
| R558(K1626) | Single-Family | 57.7 | 58.7 | 61.2 | 3.5 | 2.5 | 58.7 | 59.7 | 62.2 | 3.5 | 2.5 | No |
| R559(K1648) | Single-Family | 60.1 | 61.1 | 62.7 | 2.6 | 1.6 | 60.5 | 61.5 | 63.6 | 3.1 | 2.1 | No |
| R560(K1668) | Single-Family | 59.7 | 60.7 | 62.4 | 2.7 | 1.7 | 60.1 | 61.1 | 63.2 | 3.1 | 2.1 | No |
| R561(K1672) | Single-Family | 60.0 | 61.0 | 62.3 | 2.3 | 1.3 | 60.3 | 61.3 | 63.2 | 2.9 | 1.9 | No |
| R562(K2013) | Single-Family | 51.6 | 52.5 | 52.9 | 1.3 | 0.4 | 51.8 | 52.8 | 53.6 | 1.8 | 0.8 | No |
| R563(K2015) | Single-Family | 52.0 | 53.0 | 53.7 | 1.7 | 0.7 | 52.4 | 53.3 | 54.5 | 2.1 | 1.2 | No |
| R564(K918) | Multi-Family | 60.5 | 61.5 | 63.2 | 2.7 | 1.7 | 61.4 | 62.5 | 64.3 | 2.9 | 1.8 | No |
| R565(K1713) | Single-Family | 51.4 | 52.4 | 52.6 | 1.2 | 0.2 | 51.7 | 52.7 | 53.3 | 1.6 | 0.6 | No |
| R566(K2038) | Single-Family | 62.8 | 63.4 | 59.5 | -3.3 | -3.9 | 63.1 | 63.7 | 60.4 | -2.7 | -3.3 | No |
| R567(K1552) | Single-Family | 62.1 | 63.1 | 64.5 | 2.4 | 1.4 | 62.5 | 63.5 | 65.3 | 2.8 | 1.8 | No |
| R568(K1561) | Single-Family | 61.7 | 62.7 | 64.8 | 3.1 | 2.1 | 62.0 | 63.0 | 65.7 | 3.7 | 2.7 | Yes |
| R569(K1712) | Single-Family | 51.9 | 52.9 | 53.1 | 1.2 | 0.2 | 52.2 | 53.2 | 53.8 | 1.6 | 0.6 | No |
| R570(K2036) | Multi-Family | 58.7 | 59.6 | 58.3 | -0.4 | -1.3 | 59.3 | 60.2 | 59.1 | -0.2 | -1.1 | No |
| R571(K1547 R-58) | Single-Family | 62.4 | 63.4 | 64.5 | 2.1 | 1.1 | 62.8 | 63.7 | 65.3 | 2.5 | 1.6 | No |
| R572(K1635) | Single-Family | 55.9 | 56.9 | 58.7 | 2.8 | 1.8 | 56.3 | 57.3 | 59.5 | 3.2 | 2.2 | No |
| R573(K1617) | Single-Family | 67.0 | 68.0 | 69.3 | 2.3 | 1.3 | 67.9 | 68.8 | 70.0 | 2.1 | 1.2 | Yes |
| R574(K891) | Single-Family | 70.2 | 71.2 | 72.3 | 2.1 | 1.1 | 71.0 | 72.1 | 73.5 | 2.5 | 1.4 | Yes |
| R575(K1540) | Single-Family | 62.2 | 63.2 | 63.9 | 1.7 | 0.7 | 62.6 | 63.6 | 64.7 | 2.1 | 1.1 | No |
| R576(K1597) | Multi-Family | 36.0 | 37.0 | 37.3 | 1.3 | 0.3 | 36.8 | 37.8 | 38.2 | 1.4 | 0.4 | No |
| R577(K1623) | Single-Family | 64.4 | 65.4 | 67.0 | 2.6 | 1.6 | 65.2 | 66.2 | 67.8 | 2.6 | 1.6 | Yes |
| R578(K1634) | Single-Family | 59.0 | 60.0 | 60.9 | 1.9 | 0.9 | 59.4 | 60.4 | 61.7 | 2.3 | 1.3 | No |
| R579(K1710) | Single-Family | 52.8 | 53.8 | 54.4 | 1.6 | 0.6 | 53.1 | 54.1 | 55.1 | 2.0 | 1.0 | No |
| R580(K2034) | Multi-Family | 53.8 | 54.7 | 54.9 | 1.1 | 0.2 | 54.4 | 55.3 | 55.7 | 1.3 | 0.4 | No |
| M-33(K1581) | Single-Family | 73.0 | 74.0 | 75.3 | 2.3 | 1.3 | 73.3 | 74.2 | 75.8 | 2.5 | 1.6 | Yes |
| R581(K1708) | Single-Family | 52.7 | 53.6 | 54.6 | 1.9 | 1.0 | 53.0 | 54.0 | 55.4 | 2.4 | 1.4 | No |
| M-34(K1604) | Multi-Family | 51.7 | 52.7 | 51.7 | 0.0 | -1.0 | 52.3 | 53.3 | 52.5 | 0.2 | -0.8 | No |
| R582(K1061) | Single-Family | 60.7 | 61.7 | 64.3 | 3.6 | 2.6 | 61.8 | 62.9 | 65.5 | 3.7 | 2.6 | No |
| R583(K1628) | Single-Family | 62.2 | 63.2 | 65.0 | 2.8 | 1.8 | 63.0 | 64.0 | 65.7 | 2.7 | 1.7 | Yes |
| R584(K1641) | Single-Family | 56.7 | 57.7 | 58.4 | 1.7 | 0.7 | 57.1 | 58.1 | 59.2 | 2.1 | 1.1 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R585(K1706) | Single-Family | 53.4 | 54.3 | 55.5 | 2.1 | 1.2 | 53.7 | 54.7 | 56.3 | 2.6 | 1.6 | No |
| R586(K2030) | Multi-Family | 51.7 | 52.6 | 53.2 | 1.5 | 0.6 | 52.2 | 53.1 | 53.9 | 1.7 | 0.8 | No |
| R587(K1704) | Single-Family | 54.3 | 55.3 | 56.8 | 2.5 | 1.5 | 54.7 | 55.7 | 57.7 | 3.0 | 2.0 | No |
| R588(KV1089) | Vacant | 70.2 | 71.2 | 72.4 | 2.2 | 1.2 | 71.0 | 72.0 | 73.4 | 2.4 | 1.4 | Yes |
| R589(K1631) | Single-Family | 60.8 | 61.8 | 63.6 | 2.8 | 1.8 | 61.6 | 62.6 | 64.3 | 2.7 | 1.7 | No |
| R590(K1651) | Single-Family | 56.7 | 57.7 | 59.0 | 2.3 | 1.3 | 57.1 | 58.1 | 59.8 | 2.7 | 1.7 | No |
| R591(K1666) | Single-Family | 56.3 | 57.3 | 58.6 | 2.3 | 1.3 | 56.7 | 57.7 | 59.4 | 2.7 | 1.7 | No |
| R592(K1682) | Single-Family | 56.6 | 57.6 | 58.7 | 2.1 | 1.1 | 57.0 | 58.0 | 59.6 | 2.6 | 1.6 | No |
| R593(K1691) | Single-Family | 55.7 | 56.7 | 58.2 | 2.5 | 1.5 | 56.1 | 57.1 | 59.1 | 3.0 | 2.0 | No |
| R594(K1698) | Single-Family | 54.3 | 55.3 | 56.8 | 2.5 | 1.5 | 54.7 | 55.7 | 57.7 | 3.0 | 2.0 | No |
| R595(K1581) | Single-Family | 71.6 | 72.6 | 74.6 | 3.0 | 2.0 | 72.0 | 72.9 | 75.1 | 3.1 | 2.2 | Yes |
| R596(K1591) | Multi-Family | 36.4 | 37.3 | 37.3 | 0.9 | 0.0 | 37.4 | 38.4 | 38.6 | 1.2 | 0.2 | No |
| R597(K1636) | Single-Family | 60.6 | 61.6 | 63.2 | 2.6 | 1.6 | 61.3 | 62.3 | 64.0 | 2.7 | 1.7 | No |
| R598(K1694) | Single-Family | 54.6 | 55.6 | 57.3 | 2.7 | 1.7 | 55.0 | 56.0 | 58.1 | 3.1 | 2.1 | No |
| R599(K2021) | Multi-Family | 52.5 | 53.4 | 53.9 | 1.4 | 0.5 | 52.9 | 53.9 | 54.7 | 1.8 | 0.8 | No |
| R600(K2027) | Multi-Family | 52.4 | 53.4 | 53.9 | 1.5 | 0.5 | 52.8 | 53.8 | 54.6 | 1.8 | 0.8 | No |
| R601(K1590) | Multi-Family | 39.7 | 40.6 | 40.3 | 0.6 | -0.3 | 40.7 | 41.7 | 41.5 | 0.8 | -0.2 | No |
| R602(K849) | Single-Family | 72.3 | 73.3 | 73.1 | 0.8 | -0.2 | 72.9 | 73.9 | 74.0 | 1.1 | 0.1 | Yes |
| R603(K904) | Single-Family | 71.1 | 72.1 | 73.2 | 2.1 | 1.1 | 72.0 | 73.0 | 74.5 | 2.5 | 1.5 | Yes |
| R604(K1643) | Single-Family | 61.3 | 62.2 | 63.5 | 2.2 | 1.3 | 61.8 | 62.8 | 64.2 | 2.4 | 1.4 | No |
| R605(K1718) | Multi-Family | 52.7 | 53.7 | 54.0 | 1.3 | 0.3 | 53.1 | 54.1 | 54.8 | 1.7 | 0.7 | No |
| R606(K1610) | Multi-Family | 55.7 | 56.7 | 56.0 | 0.3 | -0.7 | 56.2 | 57.2 | 56.7 | 0.5 | -0.5 | No |
| R607(K1717) | Multi-Family | 52.6 | 53.6 | 54.0 | 1.4 | 0.4 | 53.1 | 54.0 | 54.7 | 1.6 | 0.7 | No |
| R608(K819) | Single-Family | 69.4 | 70.4 | 70.5 | 1.1 | 0.1 | 70.1 | 71.2 | 71.5 | 1.4 | 0.3 | Yes |
| R609(K848) | Single-Family | 70.9 | 71.9 | 71.8 | 0.9 | -0.1 | 71.5 | 72.5 | 72.7 | 1.2 | 0.2 | Yes |
| R610(K1594) | Recreation | 41.9 | 42.9 | 43.2 | 1.3 | 0.3 | 42.8 | 43.8 | 44.3 | 1.5 | 0.5 | No |
| R611(K1612) | Multi-Family | 50.8 | 51.8 | 52.8 | 2.0 | 1.0 | 51.6 | 52.6 | 53.5 | 1.9 | 0.9 | No |
| R612(K1716) | Single-Family | 53.3 | 54.3 | 54.5 | 1.2 | 0.2 | 53.7 | 54.7 | 55.3 | 1.6 | 0.6 | No |
| R613(K1583) | Single-Family | 59.2 | 60.2 | 62.9 | 3.7 | 2.7 | 59.5 | 60.5 | 63.8 | 4.3 | 3.3 | No |
| R614(K1585) | Single-Family | 58.8 | 59.8 | 62.5 | 3.7 | 2.7 | 59.2 | 60.1 | 63.4 | 4.2 | 3.3 | No |
| R615(K1600) | Multi-Family | 48.4 | 49.4 | 49.3 | 0.9 | -0.1 | 49.3 | 50.3 | 50.4 | 1.1 | 0.1 | No |
| R616(K1601) | Multi-Family | 42.7 | 43.7 | 43.7 | 1.0 | 0.0 | 43.6 | 44.6 | 44.8 | 1.2 | 0.2 | No |
| R617(K841) | Single-Family | 69.9 | 70.9 | 70.9 | 1.0 | 0.0 | 70.5 | 71.5 | 71.8 | 1.3 | 0.3 | Yes |
| R618(K1558) | Single-Family | 62.1 | 63.1 | 63.5 | 1.4 | 0.4 | 62.3 | 63.3 | 64.4 | 2.1 | 1.1 | No |
| R619(K1567) | Single-Family | 61.3 | 62.3 | 63.2 | 1.9 | 0.9 | 61.6 | 62.5 | 64.0 | 2.4 | 1.5 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R620(K1596) | Multi-Family | 49.2 | 50.2 | 50.5 | 1.3 | 0.3 | 50.1 | 51.1 | 51.6 | 1.5 | 0.5 | No |
| R621(K1572 R-59) | Single-Family | 61.3 | 62.2 | 63.5 | 2.2 | 1.3 | 61.5 | 62.5 | 64.3 | 2.8 | 1.8 | No |
| R622(K907) | Single-Family | 71.4 | 72.4 | 73.5 | 2.1 | 1.1 | 72.3 | 73.3 | 74.8 | 2.5 | 1.5 | Yes |
| R623(K1554) | Single-Family | 62.2 | 63.2 | 63.5 | 1.3 | 0.3 | 62.4 | 63.4 | 64.3 | 1.9 | 0.9 | No |
| R624(K1565) | Single-Family | 61.7 | 62.7 | 63.6 | 1.9 | 0.9 | 61.9 | 62.9 | 64.4 | 2.5 | 1.5 | No |
| R625(K1575) | Single-Family | 60.9 | 61.9 | 63.4 | 2.5 | 1.5 | 61.2 | 62.2 | 64.2 | 3.0 | 2.0 | No |
| R626(K1563) | Single-Family | 61.8 | 62.8 | 63.4 | 1.6 | 0.6 | 62.0 | 63.0 | 64.2 | 2.2 | 1.2 | No |
| R627(K1577) | Single-Family | 61.0 | 62.0 | 63.4 | 2.4 | 1.4 | 61.3 | 62.2 | 64.2 | 2.9 | 2.0 | No |
| R628(K1077) | Single-Family | 65.0 | 66.0 | 68.3 | 3.3 | 2.3 | 66.1 | 67.1 | 69.5 | 3.4 | 2.4 | Yes |
| R629(K1550) | Single-Family | 62.2 | 63.2 | 63.5 | 1.3 | 0.3 | 62.4 | 63.4 | 64.3 | 1.9 | 0.9 | No |
| R630(K1058) | Single-Family | 71.9 | 72.9 | 74.0 | 2.1 | 1.1 | 72.8 | 73.9 | 75.2 | 2.4 | 1.3 | Yes |
| R631(K1544) | Single-Family | 62.1 | 63.1 | 63.5 | 1.4 | 0.4 | 62.3 | 63.3 | 64.3 | 2.0 | 1.0 | No |
| R632(K1079) | Single-Family | 66.8 | 67.8 | 70.1 | 3.3 | 2.3 | 67.8 | 68.9 | 71.3 | 3.5 | 2.4 | Yes |
| R633(K843) | Single-Family | 67.9 | 68.9 | 69.0 | 1.1 | 0.1 | 68.5 | 69.6 | 69.9 | 1.4 | 0.3 | Yes |
| R634(K1538) | Single-Family | 61.9 | 62.9 | 63.2 | 1.3 | 0.3 | 62.2 | 63.1 | 64.0 | 1.8 | 0.9 | No |
| R635(K1062) | Single-Family | 72.5 | 73.5 | 74.4 | 1.9 | 0.9 | 73.4 | 74.4 | 75.6 | 2.2 | 1.2 | Yes |
| R636(K840) | Single-Family | 67.3 | 68.3 | 68.6 | 1.3 | 0.3 | 68.0 | 69.1 | 69.5 | 1.5 | 0.4 | Yes |
| R637(K1617 R-60) | Single-Family | 66.0 | 66.9 | 67.7 | 1.7 | 0.8 | 66.7 | 67.7 | 68.4 | 1.7 | 0.7 | Yes |
| R638(K1065) | Single-Family | 73.2 | 74.2 | 75.0 | 1.8 | 0.8 | 74.1 | 75.2 | 76.2 | 2.1 | 1.0 | Yes |
| R639(K1089) | Single-Family | 70.4 | 71.4 | 73.1 | 2.7 | 1.7 | 71.3 | 72.4 | 74.4 | 3.1 | 2.0 | Yes |
| R640(K1069) | Single-Family | 73.7 | 74.7 | 75.4 | 1.7 | 0.7 | 74.6 | 75.7 | 76.6 | 2.0 | 0.9 | Yes |
| R641(K1530) | Single-Family | 61.5 | 62.5 | 62.8 | 1.3 | 0.3 | 61.8 | 62.8 | 63.6 | 1.8 | 0.8 | No |
| R642(K1075 R-54) | Single-Family | 74.4 | 75.4 | 76.1 | 1.7 | 0.7 | 75.3 | 76.3 | 77.3 | 2.0 | 1.0 | Yes |
| R643(K1041) | Single-Family | 71.9 | 72.9 | 73.1 | 1.2 | 0.2 | 72.5 | 73.6 | 74.0 | 1.5 | 0.4 | Yes |
| R644(K1036) | Single-Family | 70.8 | 71.8 | 71.8 | 1.0 | 0.0 | 71.4 | 72.5 | 72.7 | 1.3 | 0.2 | Yes |
| R645(K1033) | Multi-Family | 65.7 | 66.7 | 67.0 | 1.3 | 0.3 | 66.4 | 67.5 | 68.0 | 1.6 | 0.5 | Yes |
| R646(K1053) | Single-Family | 64.6 | 65.6 | 66.9 | 2.3 | 1.3 | 65.4 | 66.4 | 67.9 | 2.5 | 1.5 | Yes |
| R647(K1037) | Multi-Family | 67.6 | 68.6 | 68.7 | 1.1 | 0.1 | 68.3 | 69.4 | 69.7 | 1.4 | 0.3 | Yes |
| R648(K1522) | Single-Family | 60.9 | 61.9 | 62.0 | 1.1 | 0.1 | 61.3 | 62.2 | 62.8 | 1.5 | 0.6 | No |
| R649(K1027) | Multi-Family | 64.8 | 65.8 | 66.4 | 1.6 | 0.6 | 65.6 | 66.6 | 67.4 | 1.8 | 0.8 | Yes |
| R650(K1116) | Vacant | 67.7 | 68.7 | 70.2 | 2.5 | 1.5 | 68.3 | 69.4 | 70.9 | 2.6 | 1.5 | Yes |
| R651(K594) | Single-Family | 66.9 | 67.9 | 69.4 | 2.5 | 1.5 | 67.6 | 68.6 | 70.2 | 2.6 | 1.6 | Yes |
| R652(K1023) | Single-Family | 60.6 | 61.6 | 62.8 | 2.2 | 1.2 | 61.4 | 62.4 | 63.8 | 2.4 | 1.4 | No |
| R653(K884) | Single-Family | 66.8 | 67.8 | 70.8 | 4.0 | 3.0 | 67.4 | 68.5 | 71.8 | 4.4 | 3.3 | Yes |
| R654(K1039) | Single-Family | 63.3 | 64.3 | 66.0 | 2.7 | 1.7 | 64.2 | 65.3 | 67.1 | 2.9 | 1.8 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R655(K1121 R-56) | Single-Family | 66.3 | 67.3 | 68.6 | 2.3 | 1.3 | 67.1 | 68.1 | 69.4 | 2.3 | 1.3 | Yes |
| R656(K882) | Single-Family | 59.6 | 60.6 | 63.3 | 3.7 | 2.7 | 60.2 | 61.2 | 64.1 | 3.9 | 2.9 | No |
| R657(K1123) | Single-Family | 65.7 | 66.7 | 68.3 | 2.6 | 1.6 | 66.5 | 67.5 | 69.1 | 2.6 | 1.6 | Yes |
| R658(K883) | Single-Family | 62.4 | 63.4 | 65.9 | 3.5 | 2.5 | 63.2 | 64.2 | 66.8 | 3.6 | 2.6 | Yes |
| M-29(K1148) | Single-Family | 65.0 | 66.0 | 69.3 | 4.3 | 3.3 | 65.8 | 66.8 | 70.3 | 4.5 | 3.5 | Yes |
| R659(K876) | Single-Family | 62.5 | 63.5 | 65.9 | 3.4 | 2.4 | 63.3 | 64.4 | 66.8 | 3.5 | 2.4 | Yes |
| R660(K1167) | Church | 69.0 | 70.0 | 72.2 | 3.2 | 2.2 | 70.0 | 71.0 | 73.1 | 3.1 | 2.1 | Yes |
| R661(K1766) | Single-Family | 59.6 | 60.6 | 59.8 | 0.2 | -0.8 | 60.1 | 61.1 | 60.6 | 0.5 | -0.5 | No |
| R662(K1168) | Multi-Family | 68.4 | 69.3 | 71.8 | 3.4 | 2.5 | 69.4 | 70.4 | 72.8 | 3.4 | 2.4 | Yes |
| R663(K598) | Single-Family | 61.4 | 62.4 | 65.8 | 4.4 | 3.4 | 62.3 | 63.3 | 66.8 | 4.5 | 3.5 | Yes |
| M-32(K1983) | Multi-Family | 59.0 | 60.0 | 60.1 | 1.1 | 0.1 | 59.7 | 60.7 | 60.9 | 1.2 | 0.2 | No |
| R664(K1125) | Single-Family | 64.6 | 65.6 | 67.1 | 2.5 | 1.5 | 65.5 | 66.5 | 68.0 | 2.5 | 1.5 | Yes |
| R665(K1989) | Single-Family | 59.3 | 60.3 | 59.5 | 0.2 | -0.8 | 59.7 | 60.7 | 60.3 | 0.6 | -0.4 | No |
| R666(K878) | Single-Family | 62.0 | 63.0 | 65.5 | 3.5 | 2.5 | 62.8 | 63.9 | 66.4 | 3.6 | 2.5 | Yes |
| R667(K1983) | Multi-Family | 58.5 | 59.4 | 59.8 | 1.3 | 0.4 | 59.2 | 60.2 | 60.6 | 1.4 | 0.4 | No |
| R668(K595) | Single-Family | 63.0 | 64.0 | 64.9 | 1.9 | 0.9 | 63.6 | 64.6 | 65.8 | 2.2 | 1.2 | Yes |
| R669(K877) | Single-Family | 61.8 | 62.8 | 65.3 | 3.5 | 2.5 | 62.6 | 63.6 | 66.3 | 3.7 | 2.7 | Yes |
| R670(K1129) | Single-Family | 64.1 | 65.1 | 66.8 | 2.7 | 1.7 | 65.0 | 66.0 | 67.6 | 2.6 | 1.6 | Yes |
| R671(K1183 R-57) | Multi-Family | 61.6 | 62.6 | 63.8 | 2.2 | 1.2 | 62.5 | 63.5 | 64.7 | 2.2 | 1.2 | No |
| R672(K600) | Single-Family | 60.6 | 61.6 | 64.2 | 3.6 | 2.6 | 61.4 | 62.4 | 65.1 | 3.7 | 2.7 | No |
| R673(K874) | Single-Family | 61.6 | 62.6 | 65.2 | 3.6 | 2.6 | 62.4 | 63.4 | 66.2 | 3.8 | 2.8 | Yes |
| R674(K1132) | Single-Family | 63.7 | 64.7 | 67.4 | 3.7 | 2.7 | 64.7 | 65.7 | 68.3 | 3.6 | 2.6 | Yes |
| R675(K873) | Single-Family | 58.0 | 59.0 | 62.2 | 4.2 | 3.2 | 58.8 | 59.9 | 63.2 | 4.4 | 3.3 | No |
| R676(K1117) | Single-Family | 60.3 | 61.3 | 62.6 | 2.3 | 1.3 | 61.1 | 62.1 | 63.4 | 2.3 | 1.3 | No |
| R677(K1150) | Single-Family | 60.2 | 61.2 | 63.8 | 3.6 | 2.6 | 60.9 | 62.0 | 64.7 | 3.8 | 2.7 | No |
| R678(K1136) | Single-Family | 63.1 | 64.1 | 66.9 | 3.8 | 2.8 | 64.1 | 65.1 | 67.8 | 3.7 | 2.7 | Yes |
| R679(K1152) | Single-Family | 60.0 | 61.1 | 63.4 | 3.4 | 2.3 | 60.8 | 61.8 | 64.4 | 3.6 | 2.6 | No |
| R680(K898) | Multi-Family | 63.1 | 64.1 | 66.9 | 3.8 | 2.8 | 63.9 | 65.0 | 68.0 | 4.1 | 3.0 | Yes |
| R681(K1139) | Single-Family | 62.0 | 63.0 | 65.9 | 3.9 | 2.9 | 63.1 | 64.1 | 66.8 | 3.7 | 2.7 | Yes |
| R682(K104) | Multi-Family | 63.5 | 64.5 | 67.4 | 3.9 | 2.9 | 64.3 | 65.4 | 68.4 | 4.1 | 3.0 | Yes |
| R683(K1120) | Single-Family | 58.8 | 59.8 | 60.7 | 1.9 | 0.9 | 59.7 | 60.7 | 61.5 | 1.8 | 0.8 | No |
| R684(K905) | Multi-Family | 63.6 | 64.6 | 67.4 | 3.8 | 2.8 | 64.5 | 65.5 | 68.5 | 4.0 | 3.0 | Yes |
| R685(K1153) | Single-Family | 60.3 | 61.3 | 63.4 | 3.1 | 2.1 | 61.1 | 62.1 | 64.3 | 3.2 | 2.2 | No |
| R686(K1142) | Single-Family | 60.5 | 61.5 | 64.5 | 4.0 | 3.0 | 61.6 | 62.6 | 65.3 | 3.7 | 2.7 | No |
| R687(K908) | Single-Family | 63.8 | 64.8 | 67.6 | 3.8 | 2.8 | 64.6 | 65.7 | 68.6 | 4.0 | 2.9 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R688(K13) | Single-Family | 59.7 | 60.7 | 62.0 | 2.3 | 1.3 | 60.5 | 61.5 | 62.9 | 2.4 | 1.4 | No |
| R689(K1059) | Single-Family | 63.2 | 64.2 | 67.2 | 4.0 | 3.0 | 64.0 | 65.1 | 68.3 | 4.3 | 3.2 | Yes |
| R690(K1124) | Single-Family | 56.5 | 57.5 | 58.5 | 2.0 | 1.0 | 57.5 | 58.5 | 59.3 | 1.8 | 0.8 | No |
| R691(K1063) | Single-Family | 63.1 | 64.1 | 67.2 | 4.1 | 3.1 | 63.9 | 64.9 | 68.2 | 4.3 | 3.3 | Yes |
| R692(K1145) | Single-Family | 59.4 | 60.4 | 62.8 | 3.4 | 2.4 | 60.6 | 61.6 | 63.6 | 3.0 | 2.0 | No |
| R693(K1130) | Single-Family | 55.6 | 56.6 | 57.4 | 1.8 | 0.8 | 56.6 | 57.6 | 58.2 | 1.6 | 0.6 | No |
| R694(K1080) | Undeveloped Land | 62.7 | 63.7 | 66.6 | 3.9 | 2.9 | 63.6 | 64.6 | 67.6 | 4.0 | 3.0 | Yes |
| R695(K1119) | Single-Family | 56.3 | 57.3 | 58.2 | 1.9 | 0.9 | 56.9 | 58.0 | 59.1 | 2.2 | 1.1 | No |
| R696(K1085) | Undeveloped Land | 62.8 | 63.8 | 66.9 | 4.1 | 3.1 | 63.7 | 64.8 | 67.9 | 4.2 | 3.1 | Yes |
| R697(K1090) | Undeveloped Land | 62.9 | 63.9 | 66.9 | 4.0 | 3.0 | 63.8 | 64.8 | 68.0 | 4.2 | 3.2 | Yes |
| R698(K1135) | Single-Family | 54.3 | 55.3 | 56.0 | 1.7 | 0.7 | 55.3 | 56.3 | 56.9 | 1.6 | 0.6 | No |
| R699(K1095) | Multi-Family | 62.8 | 63.8 | 66.7 | 3.9 | 2.9 | 63.7 | 64.7 | 67.7 | 4.0 | 3.0 | Yes |
| R700(K1101 R-55) | Multi-Family | 62.2 | 63.2 | 65.1 | 2.9 | 1.9 | 63.1 | 64.1 | 66.1 | 3.0 | 2.0 | Yes |
| R701(K1138) | Single-Family | 52.3 | 53.3 | 54.4 | 2.1 | 1.1 | 53.4 | 54.5 | 55.2 | 1.8 | 0.7 | No |
| R702(K47) | Single-Family | 61.0 | 62.0 | 62.9 | 1.9 | 0.9 | 62.2 | 63.2 | 64.0 | 1.8 | 0.8 | No |
| R703(K1251) | Single-Family | 60.5 | 61.5 | 62.4 | 1.9 | 0.9 | 61.7 | 62.8 | 63.5 | 1.8 | 0.7 | No |
| R704(K46) | Single-Family | 61.3 | 62.3 | 63.2 | 1.9 | 0.9 | 62.5 | 63.6 | 64.3 | 1.8 | 0.7 | No |
| R705(K48) | Single-Family | 61.2 | 62.2 | 63.0 | 1.8 | 0.8 | 62.4 | 63.5 | 64.2 | 1.8 | 0.7 | No |
| R706(K1254) | Single-Family | 60.9 | 61.9 | 62.7 | 1.8 | 0.8 | 62.1 | 63.1 | 63.9 | 1.8 | 0.8 | No |
| R707(K44) | Single-Family | 62.0 | 63.0 | 63.9 | 1.9 | 0.9 | 63.2 | 64.2 | 65.0 | 1.8 | 0.8 | No |
| R708(K43) | Single-Family | 61.8 | 62.8 | 63.5 | 1.7 | 0.7 | 63.0 | 64.0 | 64.6 | 1.6 | 0.6 | No |
| R709(K1471) | Multi-Family | 62.3 | 63.3 | 64.7 | 2.4 | 1.4 | 63.4 | 64.4 | 65.8 | 2.4 | 1.4 | Yes |
| R710(K64) | Single-Family | 61.3 | 62.3 | 63.3 | 2.0 | 1.0 | 62.3 | 63.4 | 64.4 | 2.1 | 1.0 | No |
| R711(K1474) | Single-Family | 63.7 | 64.8 | 65.7 | 2.0 | 0.9 | 64.8 | 65.8 | 66.7 | 1.9 | 0.9 | Yes |
| R712(K1304) | Single-Family | 66.3 | 67.3 | 68.1 | 1.8 | 0.8 | 67.0 | 68.0 | 68.9 | 1.9 | 0.9 | Yes |
| R713(K1267) | School | 71.3 | 72.3 | 73.3 | 2.0 | 1.0 | 72.6 | 73.6 | 74.5 | 1.9 | 0.9 | Yes |
| R714(K1493) | Multi-Family | 68.4 | 69.4 | 71.1 | 2.7 | 1.7 | 69.5 | 70.5 | 72.2 | 2.7 | 1.7 | Yes |
| R715(K1481) | Multi-Family | 66.2 | 67.2 | 68.2 | 2.0 | 1.0 | 67.2 | 68.3 | 69.3 | 2.1 | 1.0 | Yes |
| R716(K1302) | Single-Family | 66.3 | 67.3 | 68.0 | 1.7 | 0.7 | 66.9 | 67.9 | 68.9 | 2.0 | 1.0 | Yes |
| R717(K1266) | Office | 71.9 | 72.9 | 74.3 | 2.4 | 1.4 | 73.1 | 74.2 | 75.5 | 2.4 | 1.3 | Yes |
| R718(K1295) | Single-Family | 64.6 | 65.6 | 66.0 | 1.4 | 0.4 | 65.2 | 66.2 | 66.9 | 1.7 | 0.7 | Yes |
| R719(K1291) | Single-Family | 61.3 | 62.3 | 62.0 | 0.7 | -0.3 | 61.9 | 62.9 | 62.9 | 1.0 | 0.0 | No |
| R720(K1262) | Office | 70.8 | 71.8 | 73.4 | 2.6 | 1.6 | 72.0 | 73.1 | 74.6 | 2.6 | 1.5 | Yes |
| R721(K1381) | Restaurant/Bar | 58.7 | 59.7 | 61.5 | 2.8 | 1.8 | 59.6 | 60.6 | 62.4 | 2.8 | 1.8 | No |
| R722(K1404) | Office | 58.4 | 59.4 | 62.1 | 3.7 | 2.7 | 59.3 | 60.3 | 63.0 | 3.7 | 2.7 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|------------------|------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R723(K1405) | Medical Facility | 58.4 | 59.5 | 62.9 | 4.5 | 3.4 | 59.3 | 60.4 | 63.9 | 4.6 | 3.5 | No |
| R724(K1415) | Single-Family | 53.9 | 54.9 | 58.5 | 4.6 | 3.6 | 54.7 | 55.7 | 59.5 | 4.8 | 3.8 | No |
| R725(K1264) | Single-Family | 72.2 | 73.3 | 74.8 | 2.6 | 1.5 | 73.4 | 74.5 | 76.0 | 2.6 | 1.5 | Yes |
| R726(K1487) | Single-Family | 68.1 | 69.1 | 70.0 | 1.9 | 0.9 | 69.1 | 70.2 | 71.1 | 2.0 | 0.9 | Yes |
| R727(K2068) | Office | 70.6 | 71.6 | 73.3 | 2.7 | 1.7 | 71.8 | 72.8 | 74.5 | 2.7 | 1.7 | Yes |
| R728(K1419) | Single-Family | 58.3 | 59.3 | 61.3 | 3.0 | 2.0 | 59.2 | 60.3 | 62.3 | 3.1 | 2.0 | No |
| R729(K1422) | Single-Family | 58.1 | 59.1 | 61.8 | 3.7 | 2.7 | 59.0 | 60.1 | 62.7 | 3.7 | 2.6 | No |
| R730(K1311) | Office | 70.9 | 71.9 | 69.8 | -1.1 | -2.1 | 71.4 | 72.4 | 71.0 | -0.4 | -1.4 | Yes |
| R731(K1429) | Single-Family | 58.2 | 59.2 | 61.4 | 3.2 | 2.2 | 59.1 | 60.2 | 62.3 | 3.2 | 2.1 | No |
| R732(K65) | Single-Family | 58.8 | 59.8 | 63.1 | 4.3 | 3.3 | 59.7 | 60.8 | 64.0 | 4.3 | 3.2 | No |
| R734(K1201) | Multi-Family | 72.0 | 73.0 | 74.3 | 2.3 | 1.3 | 73.1 | 74.1 | 75.4 | 2.3 | 1.3 | Yes |
| R735(K1339) | Hotel | 66.9 | 67.9 | 69.8 | 2.9 | 1.9 | 67.9 | 69.0 | 70.8 | 2.9 | 1.8 | Yes |
| R736(K2067) | Office | 73.9 | 74.9 | 75.3 | 1.4 | 0.4 | 75.1 | 76.2 | 76.5 | 1.4 | 0.3 | Yes |
| M-43(K1349) | Hotel | 76.8 | 77.8 | 78.3 | 1.5 | 0.5 | 77.8 | 78.8 | 79.3 | 1.5 | 0.5 | Yes |
| R737(K1323) | Office | 74.6 | 75.6 | 76.7 | 2.1 | 1.1 | 75.6 | 76.7 | 77.7 | 2.1 | 1.0 | Yes |
| R738(K1412) | Single-Family | 60.7 | 61.7 | 66.8 | 6.1 | 5.1 | 61.5 | 62.6 | 67.7 | 6.2 | 5.1 | Yes |
| R739(K1424) | Single-Family | 58.9 | 59.9 | 66.9 | 8.0 | 7.0 | 59.7 | 60.8 | 67.8 | 8.1 | 7.0 | Yes |
| R740(K1454) | Single-Family | 60.6 | 61.6 | 66.1 | 5.5 | 4.5 | 61.5 | 62.6 | 67.0 | 5.5 | 4.4 | Yes |
| R741(K1307 R-62) | Office | 68.7 | 69.7 | 65.3 | -3.4 | -4.4 | 69.0 | 70.0 | 66.4 | -2.6 | -3.6 | No |
| R742(K1450) | Office | 58.7 | 59.7 | 63.9 | 5.2 | 4.2 | 59.6 | 60.7 | 64.9 | 5.3 | 4.2 | No |
| R743(K1479) | Single-Family | 55.3 | 56.4 | 57.3 | 2.0 | 0.9 | 56.3 | 57.4 | 58.3 | 2.0 | 0.9 | No |
| R744(K1497) | Single-Family | 70.2 | 71.2 | 72.4 | 2.2 | 1.2 | 71.3 | 72.3 | 73.4 | 2.1 | 1.1 | Yes |
| R745(K1476) | Single-Family | 55.0 | 56.0 | 57.1 | 2.1 | 1.1 | 55.8 | 56.9 | 57.9 | 2.1 | 1.0 | No |
| R746(K1458) | Single-Family | 63.2 | 64.2 | 68.9 | 5.7 | 4.7 | 64.1 | 65.2 | 69.8 | 5.7 | 4.6 | Yes |
| R747(K1482) | Single-Family | 53.7 | 54.7 | 56.0 | 2.3 | 1.3 | 54.6 | 55.7 | 57.0 | 2.4 | 1.3 | No |
| R748(K2091) | Single-Family | 76.7 | 77.8 | 78.5 | 1.8 | 0.7 | 77.7 | 78.8 | 79.4 | 1.7 | 0.6 | Yes |
| R749(K1767) | Single-Family | 76.2 | 77.3 | 78.0 | 1.8 | 0.7 | 77.2 | 78.3 | 79.0 | 1.8 | 0.7 | Yes |
| R750(K1435) | Single-Family | 60.2 | 61.3 | 70.1 | 9.9 | 8.8 | 61.1 | 62.2 | 71.0 | 9.9 | 8.8 | Yes |
| R751(K1427) | Single-Family | 61.9 | 62.9 | 70.1 | 8.2 | 7.2 | 62.8 | 63.8 | 71.0 | 8.2 | 7.2 | Yes |
| R752(K1438) | Single-Family | 60.8 | 61.8 | 71.0 | 10.2 | 9.2 | 61.7 | 62.7 | 71.9 | 10.2 | 9.2 | Yes |
| R753(K1472) | Restaurant/Bar | 62.6 | 63.7 | 68.3 | 5.7 | 4.6 | 63.6 | 64.7 | 69.3 | 5.7 | 4.6 | No |
| R754(K1478) | Single-Family | 55.9 | 57.0 | 58.0 | 2.1 | 1.0 | 56.7 | 57.8 | 58.8 | 2.1 | 1.0 | No |
| R755(K1488) | Single-Family | 69.9 | 70.9 | 72.0 | 2.1 | 1.1 | 70.9 | 72.0 | 73.0 | 2.1 | 1.0 | Yes |
| R756(K2109B) | Single-Family | 75.9 | 77.0 | 77.7 | 1.8 | 0.7 | 76.9 | 78.0 | 78.7 | 1.8 | 0.7 | Yes |
| R757(K2105) | Single-Family | 73.4 | 74.4 | 75.2 | 1.8 | 0.8 | 74.4 | 75.5 | 76.2 | 1.8 | 0.7 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|------------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R758(K1448) | Single-Family | 62.0 | 63.1 | 72.0 | 10.0 | 8.9 | 62.9 | 64.0 | 72.9 | 10.0 | 8.9 | Yes |
| R760(K1433) | Single-Family | 62.3 | 63.3 | 70.6 | 8.3 | 7.3 | 63.2 | 64.2 | 71.5 | 8.3 | 7.3 | Yes |
| R761(K1483) | Single-Family | 56.9 | 58.0 | 58.7 | 1.8 | 0.7 | 57.7 | 58.7 | 59.5 | 1.8 | 0.8 | No |
| R762(K1455) | Single-Family | 63.7 | 64.7 | 73.7 | 10.0 | 9.0 | 64.7 | 65.7 | 74.6 | 9.9 | 8.9 | Yes |
| R763(K1485) | Single-Family | 58.2 | 59.3 | 59.9 | 1.7 | 0.6 | 59.0 | 60.1 | 60.8 | 1.8 | 0.7 | No |
| R764(KV2092) | Vacant | 73.3 | 74.3 | 75.0 | 1.7 | 0.7 | 74.4 | 75.4 | 76.1 | 1.7 | 0.7 | Yes |
| R765(K1459) | Single-Family | 63.6 | 64.6 | 75.0 | 11.4 | 10.4 | 64.5 | 65.5 | 76.0 | 11.5 | 10.5 | Yes |
| R766(K2085) | Single-Family | 74.6 | 75.7 | 76.4 | 1.8 | 0.7 | 75.6 | 76.7 | 77.4 | 1.8 | 0.7 | Yes |
| R767(K1491) | Single-Family | 54.3 | 55.4 | 56.8 | 2.5 | 1.4 | 55.2 | 56.3 | 57.8 | 2.6 | 1.5 | No |
| R768(K1437) | Single-Family | 62.1 | 63.1 | 72.8 | 10.7 | 9.7 | 63.0 | 64.1 | 73.9 | 10.9 | 9.8 | Yes |
| R769(K2119) | Single-Family | 71.3 | 72.4 | 73.5 | 2.2 | 1.1 | 72.4 | 73.5 | 74.5 | 2.1 | 1.0 | Yes |
| R770(K1489) | Single-Family | 59.4 | 60.5 | 60.8 | 1.4 | 0.3 | 60.2 | 61.3 | 61.6 | 1.4 | 0.3 | No |
| R771(K2101) | Single-Family | 68.1 | 69.2 | 70.1 | 2.0 | 0.9 | 69.2 | 70.3 | 71.1 | 1.9 | 0.8 | Yes |
| R772(K2109E) | Single-Family | 72.3 | 73.3 | 74.4 | 2.1 | 1.1 | 73.4 | 74.4 | 75.5 | 2.1 | 1.1 | Yes |
| R773(KV1469) | Vacant | 63.0 | 64.1 | 75.1 | 12.1 | 11.0 | 64.0 | 65.0 | 76.1 | 12.1 | 11.1 | Yes |
| R774(K1346) | Single-Family | 70.8 | 71.8 | 71.2 | 0.4 | -0.6 | 71.4 | 72.3 | 71.9 | 0.5 | -0.4 | Yes |
| R775(K1496) | Single-Family | 55.4 | 56.5 | 57.9 | 2.5 | 1.4 | 56.2 | 57.4 | 58.9 | 2.7 | 1.5 | No |
| R776(K2087) | Single-Family | 71.7 | 72.7 | 73.4 | 1.7 | 0.7 | 72.7 | 73.7 | 74.5 | 1.8 | 0.8 | Yes |
| R777(K2106) | Single-Family | 69.7 | 70.7 | 71.8 | 2.1 | 1.1 | 70.9 | 71.9 | 72.9 | 2.0 | 1.0 | Yes |
| M-41(K1318) | Single-Family | 70.6 | 71.7 | 75.1 | 4.5 | 3.4 | 71.1 | 72.1 | 75.8 | 4.7 | 3.7 | Yes |
| R778(K2104) | Single-Family | 70.6 | 71.6 | 72.7 | 2.1 | 1.1 | 71.7 | 72.8 | 73.8 | 2.1 | 1.0 | Yes |
| R779(K1195) | Single-Family | 69.5 | 70.5 | 71.7 | 2.2 | 1.2 | 70.6 | 71.6 | 72.7 | 2.1 | 1.1 | Yes |
| R780(K1383) | Single-Family | 71.6 | 72.6 | 72.0 | 0.4 | -0.6 | 72.1 | 73.1 | 72.7 | 0.6 | -0.4 | Yes |
| R781(K1456) | Single-Family | 63.0 | 64.1 | 77.2 | 14.2 | 13.1 | 64.0 | 65.0 | 78.2 | 14.2 | 13.2 | Yes |
| R782(K1495) | Medical Facility | 61.9 | 62.9 | 63.7 | 1.8 | 0.8 | 62.8 | 63.8 | 64.6 | 1.8 | 0.8 | No |
| R783(K1722C) | Single-Family | 69.7 | 70.8 | 71.8 | 2.1 | 1.0 | 70.9 | 71.9 | 72.7 | 1.8 | 0.8 | Yes |
| R784(K1769) | Single-Family | 68.8 | 69.9 | 71.2 | 2.4 | 1.3 | 69.9 | 70.9 | 72.2 | 2.3 | 1.3 | Yes |
| R785(K2083) | Single-Family | 76.1 | 77.2 | 77.9 | 1.8 | 0.7 | 77.1 | 78.1 | 78.8 | 1.7 | 0.7 | Yes |
| M-44(K75) | Multi-Family | 71.2 | 72.2 | 72.8 | 1.6 | 0.6 | 71.8 | 72.8 | 73.5 | 1.7 | 0.7 | Yes |
| M-44a(K75) | Multi-Family | 72.8 | 73.9 | 73.0 | 0.2 | -0.9 | 73.4 | 74.4 | 73.6 | 0.2 | -0.8 | Yes |
| M-46(K1469) | Single-Family | 65.5 | 66.5 | 78.6 | 13.1 | 12.1 | 66.5 | 67.5 | 79.6 | 13.1 | 12.1 | Yes |
| R786(K1194) | Multi-Family | 58.7 | 59.8 | 61.1 | 2.4 | 1.3 | 59.5 | 60.6 | 62.0 | 2.5 | 1.4 | No |
| R787(K2122) | Single-Family | 68.2 | 69.2 | 70.7 | 2.5 | 1.5 | 69.3 | 70.4 | 71.8 | 2.5 | 1.4 | Yes |
| R788(K1722B) | Single-Family | 69.0 | 70.1 | 71.0 | 2.0 | 0.9 | 70.2 | 71.2 | 71.9 | 1.7 | 0.7 | Yes |
| M-40(K1315) | Single-Family | 62.1 | 63.1 | 62.2 | 0.1 | -0.9 | 62.7 | 63.7 | 62.9 | 0.2 | -0.8 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| M-42(K1348) | Single-Family | 64.3 | 65.3 | 68.8 | 4.5 | 3.5 | 65.0 | 65.9 | 69.5 | 4.5 | 3.6 | Yes |
| R789(K1319) | Single-Family | 64.3 | 65.3 | 63.6 | -0.7 | -1.7 | 64.9 | 65.9 | 64.4 | -0.5 | -1.5 | No |
| R790(K1360) | Single-Family | 71.2 | 72.2 | 73.4 | 2.2 | 1.2 | 71.9 | 72.9 | 74.2 | 2.3 | 1.3 | Yes |
| R791(K1365) | Single-Family | 69.5 | 70.6 | 70.6 | 1.1 | 0.0 | 70.1 | 71.1 | 71.3 | 1.2 | 0.2 | Yes |
| R792(K1421) | Single-Family | 74.5 | 75.5 | 76.5 | 2.0 | 1.0 | 75.3 | 76.3 | 77.3 | 2.0 | 1.0 | Yes |
| R793(KV2025) | Vacant | 62.2 | 63.2 | 63.0 | 0.8 | -0.2 | 62.7 | 63.7 | 63.9 | 1.2 | 0.2 | No |
| R794(KV1318) | Vacant | 66.4 | 67.4 | 70.5 | 4.1 | 3.1 | 67.2 | 68.2 | 71.3 | 4.1 | 3.1 | Yes |
| R795(K74) | Multi-Family | 69.3 | 70.3 | 68.8 | -0.5 | -1.5 | 69.9 | 70.8 | 69.5 | -0.4 | -1.3 | Yes |
| R796(K1341) | Single-Family | 71.1 | 72.1 | 74.1 | 3.0 | 2.0 | 71.7 | 72.7 | 74.9 | 3.2 | 2.2 | Yes |
| R797(K2124) | Single-Family | 68.2 | 69.2 | 70.7 | 2.5 | 1.5 | 69.3 | 70.4 | 71.8 | 2.5 | 1.4 | Yes |
| R798(K1326) | Single-Family | 62.3 | 63.3 | 62.3 | 0.0 | -1.0 | 62.9 | 63.9 | 63.1 | 0.2 | -0.8 | No |
| R799(K1391) | Single-Family | 68.0 | 69.0 | 69.3 | 1.3 | 0.3 | 68.6 | 69.6 | 70.1 | 1.5 | 0.5 | Yes |
| R800(K2086) | Single-Family | 72.7 | 73.7 | 74.6 | 1.9 | 0.9 | 73.7 | 74.7 | 75.5 | 1.8 | 0.8 | Yes |
| R801(K1205) | Single-Family | 67.2 | 68.2 | 69.2 | 2.0 | 1.0 | 68.2 | 69.2 | 70.2 | 2.0 | 1.0 | Yes |
| R802(K1331) | Single-Family | 68.8 | 69.8 | 72.4 | 3.6 | 2.6 | 69.4 | 70.4 | 73.2 | 3.8 | 2.8 | Yes |
| R803(K2017) | Single-Family | 64.6 | 65.5 | 65.3 | 0.7 | -0.2 | 65.0 | 66.0 | 66.0 | 1.0 | 0.0 | Yes |
| R804(K2025) | Single-Family | 63.5 | 64.5 | 64.1 | 0.6 | -0.4 | 64.0 | 65.0 | 65.0 | 1.0 | 0.0 | No |
| R805(K78) | Single-Family | 70.1 | 71.1 | 73.1 | 3.0 | 2.0 | 70.7 | 71.7 | 73.9 | 3.2 | 2.2 | Yes |
| R806(K1322) | Single-Family | 64.2 | 65.2 | 63.4 | -0.8 | -1.8 | 64.7 | 65.7 | 64.2 | -0.5 | -1.5 | No |
| R807(K1336) | Single-Family | 69.1 | 70.1 | 72.4 | 3.3 | 2.3 | 69.7 | 70.7 | 73.2 | 3.5 | 2.5 | Yes |
| R808(K2109) | Single-Family | 63.9 | 64.9 | 66.4 | 2.5 | 1.5 | 65.1 | 66.1 | 67.6 | 2.5 | 1.5 | Yes |
| R809(K71) | Multi-Family | 66.1 | 67.1 | 66.5 | 0.4 | -0.6 | 66.7 | 67.7 | 67.3 | 0.6 | -0.4 | Yes |
| R810(K2020) | Single-Family | 63.3 | 64.1 | 64.0 | 0.7 | -0.1 | 63.9 | 64.7 | 64.8 | 0.9 | 0.1 | No |
| R811(K2095) | Single-Family | 67.1 | 68.1 | 69.6 | 2.5 | 1.5 | 68.1 | 69.1 | 70.7 | 2.6 | 1.6 | Yes |
| R812(K1386) | Single-Family | 63.5 | 64.5 | 65.4 | 1.9 | 0.9 | 64.0 | 65.0 | 66.1 | 2.1 | 1.1 | Yes |
| R813(K2114) | Single-Family | 65.9 | 66.9 | 67.8 | 1.9 | 0.9 | 67.0 | 68.1 | 68.9 | 1.9 | 0.8 | Yes |
| R814(K2125) | Single-Family | 65.7 | 66.8 | 68.4 | 2.7 | 1.6 | 66.9 | 67.9 | 69.5 | 2.6 | 1.6 | Yes |
| M-48(K37) | Single-Family | 60.3 | 61.4 | 62.4 | 2.1 | 1.0 | 61.3 | 62.4 | 63.4 | 2.1 | 1.0 | No |
| R815(K73) | Multi-Family | 63.9 | 65.0 | 64.4 | 0.5 | -0.6 | 64.4 | 65.4 | 65.1 | 0.7 | -0.3 | No |
| R816(K1372) | Single-Family | 61.3 | 62.3 | 63.9 | 2.6 | 1.6 | 61.9 | 62.9 | 64.8 | 2.9 | 1.9 | No |
| R817(K1395) | Single-Family | 67.8 | 68.8 | 69.2 | 1.4 | 0.4 | 68.4 | 69.4 | 69.9 | 1.5 | 0.5 | Yes |
| R818(K2029) | Multi-Family | 52.1 | 53.0 | 53.2 | 1.1 | 0.2 | 52.5 | 53.3 | 54.0 | 1.5 | 0.7 | No |
| R819(K2088) | Single-Family | 72.7 | 73.8 | 74.5 | 1.8 | 0.7 | 73.7 | 74.7 | 75.4 | 1.7 | 0.7 | Yes |
| R820(K2138) | Single-Family | 66.2 | 67.2 | 68.3 | 2.1 | 1.1 | 67.4 | 68.4 | 69.3 | 1.9 | 0.9 | Yes |
| R821(K1722A) | Single-Family | 62.8 | 63.9 | 64.6 | 1.8 | 0.7 | 64.0 | 65.0 | 65.6 | 1.6 | 0.6 | Yes |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R822(K1204) | Single-Family | 65.2 | 66.2 | 66.8 | 1.6 | 0.6 | 66.2 | 67.2 | 67.8 | 1.6 | 0.6 | Yes |
| R823(K1722) | Single-Family | 65.0 | 66.1 | 67.2 | 2.2 | 1.1 | 66.2 | 67.3 | 68.3 | 2.1 | 1.0 | Yes |
| R824(K2099) | Single-Family | 64.8 | 65.8 | 67.4 | 2.6 | 1.6 | 65.8 | 66.9 | 68.5 | 2.7 | 1.6 | Yes |
| R825(K2127) | Single-Family | 65.4 | 66.4 | 67.9 | 2.5 | 1.5 | 66.6 | 67.6 | 69.0 | 2.4 | 1.4 | Yes |
| R826(K2144) | Single-Family | 65.5 | 66.6 | 67.7 | 2.2 | 1.1 | 66.7 | 67.8 | 68.8 | 2.1 | 1.0 | Yes |
| R827(K2109C) | Single-Family | 65.0 | 66.1 | 67.5 | 2.5 | 1.4 | 66.2 | 67.3 | 68.7 | 2.5 | 1.4 | Yes |
| R828(K1720) | Single-Family | 65.2 | 66.3 | 67.4 | 2.2 | 1.1 | 66.4 | 67.5 | 68.5 | 2.1 | 1.0 | Yes |
| R829(K2026) | Single-Family | 63.6 | 64.2 | 64.1 | 0.5 | -0.1 | 64.5 | 65.1 | 65.2 | 0.7 | 0.1 | No |
| R830(K68) | Multi-Family | 65.9 | 66.9 | 67.1 | 1.2 | 0.2 | 66.6 | 67.6 | 67.8 | 1.2 | 0.2 | Yes |
| R831(K1328) | Single-Family | 63.8 | 64.9 | 63.5 | -0.3 | -1.4 | 64.4 | 65.4 | 64.3 | -0.1 | -1.1 | No |
| M-45(K1484) | Church | 72.7 | 73.7 | 75.2 | 2.5 | 1.5 | 73.5 | 74.5 | 75.9 | 2.4 | 1.4 | Yes |
| R832(K1362) | Single-Family | 59.5 | 60.5 | 60.8 | 1.3 | 0.3 | 60.2 | 61.1 | 61.7 | 1.5 | 0.6 | No |
| R833(K1370) | Single-Family | 60.7 | 61.7 | 62.8 | 2.1 | 1.1 | 61.3 | 62.3 | 63.7 | 2.4 | 1.4 | No |
| R834(K1402) | Single-Family | 66.4 | 67.4 | 67.5 | 1.1 | 0.1 | 67.0 | 68.0 | 68.2 | 1.2 | 0.2 | Yes |
| R835(K1446) | Single-Family | 68.3 | 69.3 | 70.4 | 2.1 | 1.1 | 69.0 | 70.0 | 71.2 | 2.2 | 1.2 | Yes |
| R836(K67) | Multi-Family | 65.6 | 66.6 | 66.7 | 1.1 | 0.1 | 66.3 | 67.3 | 67.5 | 1.2 | 0.2 | Yes |
| R837(K2033) | Single-Family | 52.5 | 53.3 | 53.5 | 1.0 | 0.2 | 52.9 | 53.8 | 54.3 | 1.4 | 0.5 | No |
| R838(K2109F) | Single-Family | 63.9 | 64.9 | 65.9 | 2.0 | 1.0 | 65.0 | 66.1 | 67.0 | 2.0 | 0.9 | Yes |
| R839(K1334) | Single-Family | 62.5 | 63.5 | 62.6 | 0.1 | -0.9 | 63.1 | 64.1 | 63.5 | 0.4 | -0.6 | No |
| R840(K2109A) | Single-Family | 60.8 | 61.8 | 62.9 | 2.1 | 1.1 | 61.9 | 63.0 | 64.0 | 2.1 | 1.0 | No |
| R841(K30) | Single-Family | 62.3 | 63.4 | 64.3 | 2.0 | 0.9 | 63.5 | 64.6 | 65.4 | 1.9 | 0.8 | No |
| R842(K1353) | Day Care | 57.5 | 58.5 | 60.4 | 2.9 | 1.9 | 58.1 | 59.1 | 61.2 | 3.1 | 2.1 | No |
| R843(K1406) | Single-Family | 63.1 | 64.1 | 64.2 | 1.1 | 0.1 | 63.7 | 64.7 | 65.0 | 1.3 | 0.3 | No |
| R844(K2032) | Single-Family | 63.5 | 64.1 | 63.9 | 0.4 | -0.2 | 64.5 | 65.2 | 65.1 | 0.6 | -0.1 | No |
| R845(K2103) | Single-Family | 63.3 | 64.3 | 65.8 | 2.5 | 1.5 | 64.4 | 65.4 | 66.8 | 2.4 | 1.4 | Yes |
| R846(K1396) | Single-Family | 60.3 | 61.3 | 62.1 | 1.8 | 0.8 | 61.0 | 61.9 | 63.0 | 2.0 | 1.1 | No |
| R847(K1403) | Single-Family | 61.9 | 62.9 | 63.3 | 1.4 | 0.4 | 62.6 | 63.6 | 64.2 | 1.6 | 0.6 | No |
| R848(K2035) | Multi-Family | 51.5 | 52.3 | 52.0 | 0.5 | -0.3 | 51.9 | 52.8 | 52.9 | 1.0 | 0.1 | No |
| R849(K1397) | Single-Family | 58.8 | 59.9 | 60.8 | 2.0 | 0.9 | 59.5 | 60.5 | 61.7 | 2.2 | 1.2 | No |
| R850(K1721) | Single-Family | 63.3 | 64.4 | 64.9 | 1.6 | 0.5 | 64.5 | 65.5 | 66.1 | 1.6 | 0.6 | Yes |
| R851(K2094) | Single-Family | 72.2 | 73.3 | 74.1 | 1.9 | 0.8 | 73.2 | 74.2 | 74.9 | 1.7 | 0.7 | Yes |
| R852(K2109D) | Single-Family | 60.1 | 61.2 | 62.0 | 1.9 | 0.8 | 61.3 | 62.4 | 63.1 | 1.8 | 0.7 | No |
| R853(K1217) | Hotel | 60.6 | 61.7 | 62.5 | 1.9 | 0.8 | 61.6 | 62.6 | 63.4 | 1.8 | 0.8 | No |
| R854(K1460) | Single-Family | 63.0 | 64.0 | 64.0 | 1.0 | 0.0 | 63.7 | 64.6 | 64.8 | 1.1 | 0.2 | No |
| R855(K1392) | Single-Family | 57.9 | 58.9 | 60.6 | 2.7 | 1.7 | 58.6 | 59.6 | 61.4 | 2.8 | 1.8 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R856(K1394) | Single-Family | 58.4 | 59.4 | 60.0 | 1.6 | 0.6 | 59.1 | 60.1 | 60.8 | 1.7 | 0.7 | No |
| R857(K1193) | Single-Family | 69.5 | 70.5 | 72.1 | 2.6 | 1.6 | 70.3 | 71.3 | 72.9 | 2.6 | 1.6 | Yes |
| R858(K1379) | Single-Family | 57.0 | 58.0 | 59.2 | 2.2 | 1.2 | 57.6 | 58.6 | 60.0 | 2.4 | 1.4 | No |
| R859(K1385) | Single-Family | 56.3 | 57.3 | 58.6 | 2.3 | 1.3 | 56.9 | 57.8 | 59.4 | 2.5 | 1.6 | No |
| R860(K2097) | Single-Family | 71.8 | 72.9 | 73.7 | 1.9 | 0.8 | 72.8 | 73.8 | 74.6 | 1.8 | 0.8 | Yes |
| R861(K1390) | Single-Family | 55.6 | 56.6 | 57.5 | 1.9 | 0.9 | 56.3 | 57.3 | 58.4 | 2.1 | 1.1 | No |
| R862(K1449) | Single-Family | 64.1 | 65.1 | 64.6 | 0.5 | -0.5 | 64.8 | 65.8 | 65.4 | 0.6 | -0.4 | No |
| M-39(K2037) | Multi-Family | 66.4 | 67.0 | 66.1 | -0.3 | -0.9 | 67.8 | 68.4 | 67.8 | 0.0 | -0.6 | Yes |
| R863(K2043) | Single-Family | 51.7 | 52.5 | 52.0 | 0.3 | -0.5 | 52.1 | 53.0 | 52.9 | 0.8 | -0.1 | No |
| R864(K2117) | Single-Family | 62.0 | 63.1 | 64.4 | 2.4 | 1.3 | 63.1 | 64.1 | 65.4 | 2.3 | 1.3 | No |
| R865(K1212) | Commercial | 69.0 | 70.1 | 71.1 | 2.1 | 1.0 | 70.1 | 71.2 | 72.1 | 2.0 | 0.9 | Yes |
| R866(K2066) | Hotel | 64.3 | 65.4 | 67.0 | 2.7 | 1.6 | 65.3 | 66.3 | 67.9 | 2.6 | 1.6 | No |
| R867(K1196) | Single-Family | 67.1 | 68.1 | 69.8 | 2.7 | 1.7 | 67.9 | 68.9 | 70.5 | 2.6 | 1.6 | Yes |
| R868(KV1492) | Vacant | 61.2 | 62.2 | 62.3 | 1.1 | 0.1 | 61.8 | 62.8 | 63.1 | 1.3 | 0.3 | No |
| R869(K1492) | Multi-Family | 62.2 | 63.2 | 64.1 | 1.9 | 0.9 | 63.0 | 64.0 | 65.0 | 2.0 | 1.0 | No |
| R870(K2102) | Single-Family | 70.8 | 71.9 | 72.7 | 1.9 | 0.8 | 71.8 | 72.8 | 73.5 | 1.7 | 0.7 | Yes |
| R871(K2120) | Single-Family | 61.1 | 62.1 | 63.2 | 2.1 | 1.1 | 62.1 | 63.1 | 64.2 | 2.1 | 1.1 | No |
| R872(KV2147) | Vacant | 60.7 | 61.7 | 63.0 | 2.3 | 1.3 | 61.8 | 62.9 | 64.2 | 2.4 | 1.3 | No |
| R873(K2107) | Single-Family | 70.5 | 71.6 | 72.4 | 1.9 | 0.8 | 71.4 | 72.5 | 73.2 | 1.8 | 0.7 | Yes |
| R874(K1473) | Single-Family | 51.9 | 52.9 | 53.6 | 1.7 | 0.7 | 52.6 | 53.6 | 54.4 | 1.8 | 0.8 | No |
| R875(K1203) | Single-Family | 65.0 | 66.0 | 68.1 | 3.1 | 2.1 | 65.8 | 66.8 | 68.8 | 3.0 | 2.0 | Yes |
| R876(K2128) | Single-Family | 60.7 | 61.7 | 62.7 | 2.0 | 1.0 | 61.7 | 62.7 | 63.7 | 2.0 | 1.0 | No |
| R877(K40) | Single-Family | 61.7 | 62.7 | 63.9 | 2.2 | 1.2 | 62.6 | 63.6 | 64.8 | 2.2 | 1.2 | No |
| R878(K2141) | School | 74.0 | 75.1 | 75.9 | 1.9 | 0.8 | 74.9 | 75.9 | 76.7 | 1.8 | 0.8 | Yes |
| R879(K2121) | Single-Family | 70.1 | 71.2 | 72.1 | 2.0 | 0.9 | 71.1 | 72.1 | 73.0 | 1.9 | 0.9 | Yes |
| R880(K1202) | Single-Family | 61.5 | 62.6 | 64.4 | 2.9 | 1.8 | 62.4 | 63.4 | 65.2 | 2.8 | 1.8 | No |
| R881(K2130) | Single-Family | 60.3 | 61.4 | 62.2 | 1.9 | 0.8 | 61.4 | 62.4 | 63.2 | 1.8 | 0.8 | No |
| R882(K1211) | Single-Family | 69.1 | 70.2 | 71.1 | 2.0 | 0.9 | 69.9 | 71.0 | 71.8 | 1.9 | 0.8 | Yes |
| R883(K1209) | Single-Family | 63.1 | 64.1 | 66.7 | 3.6 | 2.6 | 64.0 | 65.0 | 67.3 | 3.3 | 2.3 | Yes |
| R884(K1213) | Single-Family | 65.4 | 66.5 | 69.3 | 3.9 | 2.8 | 66.3 | 67.3 | 70.0 | 3.7 | 2.7 | Yes |
| R885(K2126) | Single-Family | 70.0 | 71.0 | 71.8 | 1.8 | 0.8 | 70.9 | 71.9 | 72.7 | 1.8 | 0.8 | Yes |
| R888(K1218) | Single-Family | 63.7 | 64.8 | 67.6 | 3.9 | 2.8 | 64.6 | 65.6 | 68.3 | 3.7 | 2.7 | Yes |
| R889(K36) | Single-Family | 61.9 | 62.9 | 65.5 | 3.6 | 2.6 | 62.8 | 63.8 | 66.2 | 3.4 | 2.4 | Yes |
| R890(K2131) | Single-Family | 69.4 | 70.5 | 71.4 | 2.0 | 0.9 | 70.4 | 71.4 | 72.3 | 1.9 | 0.9 | Yes |
| R891(K2140) | Single-Family | 59.4 | 60.4 | 61.3 | 1.9 | 0.9 | 60.5 | 61.5 | 62.3 | 1.8 | 0.8 | No |

Table 8. Alternative I Noise Levels

| Receptor Number | Land Use | AM Peak Hour | | | | | PM Peak Hour | | | | | Approaches/ Exceeds NAC (Yes/No) |
|-----------------|---------------|---|---|--|---------------------------------------|---------------------------------------|---|---|--|---------------------------------------|---------------------------------------|--|
| | | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | 2010 Existing L_{eq} (1-Hr) dB(A) | 2035 No Build L_{eq} (1-Hr) dB(A) | 2035 Build L_{eq} (1-Hr) dB(A) | Build Minus Existing (dB(A)) | Build Minus No Build (dB(A)) | |
| R892(K1216) | Single-Family | 62.2 | 63.2 | 64.7 | 2.5 | 1.5 | 63.1 | 64.1 | 65.5 | 2.4 | 1.4 | No |
| R893(K1220) | Single-Family | 62.1 | 63.2 | 65.5 | 3.4 | 2.3 | 63.0 | 64.0 | 66.3 | 3.3 | 2.3 | Yes |
| R894(K2111) | Single-Family | 69.0 | 70.1 | 70.9 | 1.9 | 0.8 | 69.9 | 71.0 | 71.8 | 1.9 | 0.8 | Yes |
| R895(K1219) | Single-Family | 55.9 | 56.9 | 58.6 | 2.7 | 1.7 | 56.6 | 57.6 | 59.3 | 2.7 | 1.7 | No |
| R896(K2142) | Single-Family | 59.1 | 60.1 | 60.9 | 1.8 | 0.8 | 60.2 | 61.2 | 61.9 | 1.7 | 0.7 | No |
| R897(K2139) | Single-Family | 68.5 | 69.6 | 70.5 | 2.0 | 0.9 | 69.5 | 70.5 | 71.3 | 1.8 | 0.8 | Yes |
| R898(K1224) | Single-Family | 61.2 | 62.3 | 64.7 | 3.5 | 2.4 | 62.1 | 63.1 | 65.4 | 3.3 | 2.3 | No |
| R899(K1223) | Single-Family | 61.3 | 62.3 | 64.4 | 3.1 | 2.1 | 62.1 | 63.2 | 65.2 | 3.1 | 2.0 | No |
| R900(K1222) | Single-Family | 56.9 | 58.0 | 59.6 | 2.7 | 1.6 | 57.6 | 58.6 | 60.3 | 2.7 | 1.7 | No |
| R901(K1753) | Cemetery | 60.7 | 61.7 | 63.1 | 2.4 | 1.4 | 61.4 | 62.4 | 63.8 | 2.4 | 1.4 | No |
| M-47(K2141) | School | 60.0 | 61.0 | 61.8 | 1.8 | 0.8 | 60.9 | 61.9 | 62.6 | 1.7 | 0.7 | No |

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6.0 NOISE ABATEMENT

The Kentucky Transportation Cabinet (KYTC) requires that noise abatement measures be considered where traffic related noise impacts are predicted. Federal funds may be used for noise abatement measures when:

- traffic noise impacts have been identified, and
- abatement measures have been determined to be feasible and reasonable pursuant to Section 772.13(d) and KYTC policy.

In conformance with these requirements, abatement measures were evaluated in terms of their effectiveness to substantially reduce predicted design year noise levels at locations where impacts occur. Potential abatement measures include:

- Traffic management measures.
- Alteration of roadway horizontal or vertical alignments.
- Acquisition of real property or land to serve as a buffer zone to preempt development that would be adversely impacted from traffic noise.
- Noise insulation of Activity Category D land use facilities listed in Table 1.
- Construction of noise barriers including acquisition of property rights, either within or outside the highway right-of-way (ROW).

Traffic management measures involve restrictions on the speed and type of vehicles permitted to use a particular roadway. Traffic management measures such as placing restrictions on heavy truck movements and lowering operating speeds are not compatible with the purpose of interstate roadways. Alteration of horizontal and vertical alignments beyond what is presently proposed for the Build Alternatives is constrained by existing terrain, location of the existing transportation facilities and land uses, underlying geology, and other considerations. Due to the densely developed urban environment of the study area, acquisition of land to serve as a noise buffer zone is not a practical option. Therefore, the only remaining potential effective abatement measures are noise barriers.

6.1 KYTC Noise Barrier Feasibility and Reasonableness Factors

Noise barriers reduce noise by blocking the path of sound between the source of the noise and the receiver. To be effective, a noise barrier should be located adjacent to either the source or the receiver. The noise wall must also be long, continuous and break the line-of-sight from the highway to the receiver.

When determining the acoustic feasibility of a proposed abatement measure, KYTC policy requires that abatement measures provide a substantial noise reduction (>5 dB(A)) for a reasonable percentage of impacted receptors to warrant consideration. The objective of the proposed abatement is to achieve the noise reduction design goal (7 dB(A) for a minimum of 40 percent of benefited receptors). However, a proposed barrier will not be considered acoustically feasible if it does not provide a minimum 5 dB(A) reduction for more than 50 percent of the impacted receptors.

Engineering or constructability issues may render an abatement measure infeasible. In determining if site characteristics are suitable for noise barrier construction, KYTC considers

numerous factors including safety, maintenance, drainage, and access. Engineering judgment may dictate that a barrier is not feasible if:

- A substantial noise reduction (≥ 5 dB(A)) for more than 50 percent of the impacted receptors is not achievable, and
- The barrier would pose overriding safety (visibility issues) or maintenance (drainage and right of way access) problems as determined by the American Association of State Highway and Transportation Officials (AASHTO) *Green Book, Roadside Design Guide or Manual of Uniform Traffic Control Devices* (MUTCD).

The determination of reasonableness of a proposed abatement measure is based upon three primary factors: cost effectiveness; the noise reduction design goal and the desires of the benefited receptors. The noise barrier determination of reasonableness is defined as follows:

To be cost effective, KYTC policy has established \$35,000 as a reasonable maximum threshold for the Cost per Benefited Receptor (CBR). The CBR is defined as follows:

$$\text{CBR} = (\text{Cost of Noise Barrier} \text{ (\$)}) / (\text{Number of Benefited Receptors})$$

Where:

1. Cost of noise barrier is the total anticipated cost of the noise barrier including design, ROW, utilities, and construction. For this analysis, an average cost of \$30 per square foot of barrier wall is assumed.
2. The number of benefited receptors is the total number of receptors receiving a noise reduction of at least 5 dB(A).

Once a proposed noise barrier satisfies the physical feasibility and reasonableness requirements described above, the solicitation of views of the affected property owners (benefited receptors) is the final step in determining if a proposed noise barrier will be constructed. The final decision on the installation of any abatement measure is determined in coordination with residents and owners of the impacted properties during the public involvement process. When the majority of benefited receptors and property owners, are opposed to construction of a noise barrier, KYTC will give great deference to these opinions in making a final determination regarding the reasonableness of the measure. Similarly, where the majority of the benefited receptors and property owners are in support of noise barrier construction, and the proposal satisfies all other criteria for consideration outlined in the policy, KYTC will incorporate the abatement measures into the project.

6.2 Noise Barrier Analysis Findings

A noise barrier analysis was completed utilizing the Federal Highway Administration (FHWA) Traffic Noise Model Version 2.5 (TNM) for adjacent residential communities and other noise sensitive areas where noise impacts are predicted to occur and a lowered noise level would be of benefit. Eleven potential noise wall locations were identified and evaluated for feasibility and reasonableness. Summaries of those findings are contained in Table 9 for Alternative E and Table 10 for Alternative I. Illustrations depicting the location of each proposed noise barrier are shown on Exhibits 4 through 21. Noise reduction levels achieved and the number of benefiting

equivalent residences at each receiver modeling location behind each proposed noise wall are contained in Appendix D for Alternative E and Appendix E for Alternative I.

The abatement analysis indicates that three out of the eleven proposed noise walls satisfy KYTC feasibility and reasonableness requirements under both Build Alternatives. The noise barrier locations associated with Alternative E are labeled B1 through B11 in Table 9 and are illustrated in Exhibits 4 through 12. Similarly, the noise barrier locations associated with Alternative I are labeled B12 through B22 (B22A plus B22B) in Table 10 and are depicted in Exhibits 13 through 21.

The recommended noise barriers for both Build Alternatives provide abatement to three residential areas. These are illustrated on Exhibits 8, 9 and 11 for Alternative E and Exhibits 17, 18, and 20 for Alternative I. The optimized barrier heights at each proposed location under both alternatives are the same. The recommended noise barriers for Alternatives E and I vary slightly in the number of equivalent benefiting receptors, barrier length, unit cost per benefiting receptor, total cost, and maximum acoustical effectiveness. All recommended noise barriers achieve a 5 dB(A) or greater noise reduction for at least 50 percent of the impacted receptors. In addition, each recommended barrier satisfied the 7 dB(A) minimum noise reduction goal at 40 percent or more of the benefiting receptors.

Noise abatement was evaluated for Goebel Park as illustrated in Exhibit 12 for Alternative E and Exhibit 21 for Alternative I. Under Alternative E a noise barrier was considered between KY 8th Street and the KY 5th Street ramp (Exhibit 12). A noise barrier is not proposed along the southern extent of the park boundary (south of the outdoor pool area) where the I-71/I-75 widening would occur because major features of the walking trail, parking lot and nearly all of the basketball court area would be taken and therefore eliminating these features as potential benefiting receptors. Furthermore, most of the southern land areas of Goebel Park remaining after roadway improvements are completed would slope upward rendering any potential noise barrier acoustically ineffective.

Noise barrier acoustic effectiveness for Goebel Park would be limited to the portions of the park closest to the considered sound barrier. The total park area is assumed to be comprised of a total of 60 equivalent benefiting receptors. These general park usage equivalent benefiting receptors are in addition to the other benefiting receptors behind the proposed noise wall which includes the pool. As depicted in Exhibit 12, the proposed sound barrier under Alternative E does not cover the entire length of the park fronting the highway because the southern extent of the improvements results in little usable remaining park usage to consider abatement. For example the basketball courts are largely taken by the widening under Alternative E. Approximately 30 percent of the park area immediately adjacent to the barrier (after the roadway widening is completed) could potentially receive noise reductions of 5 dB(A) or greater.

The noise abatement analysis assumed a conservative approach with all 60 equivalent benefiting receptors located in this narrow band of Goebel Park as potential benefiting receptors. The analysis findings indicate that the proposed noise barrier would be 20 feet tall and would provide 5 dB(A) or greater noise reduction to 47 equivalent benefiting receptors comprised of 15 equivalent benefiting receptors associated the pool area and 32 Goebel Park general usage receptors. However, however the 47 equivalent benefiting receptors represent approximately 43 percent of total number of impacted receptors which achieve a 5 dB(A) or greater noise reduction. The KYTC policy states a minimum of 50 percent of the impacted receptors behind a proposed sound barrier must achieve a noise reduction of 5 dB(A) or

greater. Increasing the barrier height beyond 20 feet would not change the outcome. Therefore under the Alternative E build design the proposed barrier would be considered not acoustically feasible under the KYTC noise abatement policy requirements.

The noise barrier cost and acoustic effectiveness evaluation for this area also considered potential noise impacts and abatement benefits for large community festivals such as Oktoberfest and Maifest. According to the city of Covington, these events draw large crowds to the park and surrounding area, estimated to be 125,000 over three day periods for each event. The majority of the usage of the park during these periods occurs in the area of the bell tower and shelter house, located near Philadelphia Street on the northern end of the park. Though the barrier is effective in achieving a significant reduction in noise levels within 100-200 feet of its location, the primary use of the facility during these special events would not occur within these areas of effectiveness. The predicted noise readings in the vicinity of the bell tower and shelter house area are not appreciably altered with the construction of the barrier. Since the barrier would not achieve a noise reduction sufficient to benefit the users during the special events, these were not further considered in evaluation of the reasonableness of the barrier.

Under Alternative I a noise barrier is proposed between Pike Street and the KY 5th Street ramp (Exhibit 21). Under the Alternative I build design several proposed mainline roadway segments are increasing in elevation as they pass Goebel Park on their approach to the Brent Spence Bridge crossing. To further complicate the situation most of the useable areas of the park and the adjacent residential area are also increasing in elevation the further away you get from the I-71/I75 mainlines. As a result for the most of the mainline roadways fronting Goebel Park, the to break the line of sight between the traffic noise and the adjacent sensitive areas would require noise barriers in excess of 40 feet to provide any noticeable noise reduction, The resulting sound barriers would far exceed the \$35,000 cost per benefiting equivalent receptor limit. However, noise barriers were considered in attempt to determine if instead of a single fixed height sound barrier, a wall composed of 2 heights could achieve noise reduction within the minimum feasibility and reasonableness limits of the KYTC policy requirements. As illustrated in Exhibit 21, sound barrier B22 along its southern extent would extend 26 feet in height as indicated by barrier segment B22A and extends 30 feet in height in the northern portion of its extent as represented by barrier segment B22B. In general, 30 feet is generally considered the maximum constructible height for sound barriers using standard engineering design guidelines. The noise barrier cost and acoustic effectiveness evaluation for this area was based on a maximum of 60 equivalent benefiting receptors using the park on an average daily basis. Approximately 30 percent of the park area immediately adjacent to the barrier (after the roadway widening is completed) could potentially receive noise reductions of 5 dB(A) or greater.

The noise abatement analysis assumed a conservative approach with all 60 equivalent benefiting receptors located in this narrow band of Goebel Park as potential benefiting receptors. The analysis findings indicate that the proposed noise barrier would provide 5 dB(A) or greater noise reduction to only 12 equivalent benefiting receptors comprised entirely of general park usage receptors. The existing outdoor pool area would not receive benefit from the barrier. The 12 equivalent benefiting receptors represent less than 10 percent of total number of impacted receptors which is far below the 50 percent minimum requirement, Furthermore, the unit cost per benefiting receptor was estimated at over \$143,000 which far exceeds the \$35,000 limit. Therefore under the KYTC traffic noise abatement policy requirements, the proposed sound barrier would not be acoustically feasible and cost effective.

Total construction cost of all recommended noise barriers satisfying KYTC feasibility and reasonableness criteria for Alternative E was determined to be \$5,980,380 providing abatement to 373 equivalent benefiting receptors and \$5,973,780 for Alternative I providing abatement to 365 equivalent benefiting receptors.

6.3 Parallel Barrier Consideration

The *FHWA Highway Noise Barrier Design Handbook* defines parallel barriers as two barriers which face each other on opposite sides of a roadway. Sound reflected between reflective parallel barriers may cause degradations in each barrier's performance due to multiple reflections that diffract over the individual barriers. To categorize parallel noise barriers and the insertion-loss degradation values, a width-to-height ratio is used. The separation distance width-to-barrier-height ratio (w/h) is the ratio of the total distance between parallel barriers and the average height of the two barriers. Significant insertion loss degradation of greater than 3 dB(A) will occur when width-to-height ratios are less than 10:1. Within the study area there are no parallel barrier configurations with width-to-height ratios of less than 10:1 which would warrant further TNM modeling to quantify sound barrier performance degradation and require adjustments to the recommended sound barrier configurations shown in this report.

6.4 Noise Abatement Likelihood Statement

Based on the results of the noise barrier analysis, a total of 373 equivalent residences are identified as benefited under Alternative E and 365 under Alternative I in accordance with KYTC feasibility and reasonableness criteria. The analysis indicates that noise abatement is warranted, at three out of the 11 evaluated sound barrier locations depicted in Exhibits 4 through 21. A refinement of the noise analysis will occur during the final highway design phase of the project. If during final design it has been determined that conditions have changed such that noise abatement is no longer feasible and reasonable, the abatement measures may not be implemented. The final decision on the installation of any abatement measure will be determined in coordination with local officials and residents living in the impacted properties during the public involvement process.

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Table 9. Summary of Noise Abatement Analysis Findings for Alternative E

| Barrier # | Percentage of Benefited Receptors which Receive 7 dB(A) or Greater Noise Reduction (%) | Percentage of Impacted Receptors which Receive 5 dB(A) or Greater Noise Reduction (%) | Barrier Description | | | | | Number Of Benefited Properties | Estimated Cost Per Benefiting Receptor (CBR) (\$) | Noise Barrier Effectiveness | | | KYTC Noise Abatement Criteria Satisfied (Yes/No) |
|-----------|--|---|---------------------|---|------------------------------------|-----------------------------|------------------------------------|--------------------------------|---|-------------------------------------|---|---|--|
| | | | Length (feet) | Beginning Point and Highway Direction | Ending Point and Highway Direction | Noise Barrier Height (feet) | Estimated ⁽¹⁾ Cost (\$) | | | Design Goal Achieved ⁽²⁾ | Acoustic Feasibility Achieved ⁽³⁾ (Yes/No) | Cost Effective Achieved ⁽⁴⁾ (Yes/No) | |
| B1 | 76.0 | 38.5 | 1,129 | SB 560+86 | SB 550+33 | 22 | 745,140 | 25 | \$29,806 | Yes | No | Yes | No |
| B2 | 33.3 | 11.5 | 593 | SB 549+71 | SB 543+78 | 24 | 426,960 | 3 | \$142,320 | No | No | No | No |
| B3 | 85.7 | 14.6 | 491 | SB 542+92 | SB 537+83 | 24 | 353,520 | 7 | \$50,503 | Yes | No | No | No |
| B4 | 23.1 | 20.0 | 1,257 | SB 537+16 | SB 523+82 | 24 | 905,040 | 13 | \$69,618 | No | No | No | No |
| B5 | 29.3 | 100.0 | 1,041 | SB 413+81 | SB 403+29 | 24 | 749,520 | 41 | \$18,281 | No | Yes | Yes | No |
| B6 | 68.8 | 94.1 | 1,453 | SB 384+82 | SB 370+60 | 24 | 1,046,160 | 16 | \$65,385 | Yes | Yes | No | No |
| B7 | 53.7 | 95.1 | 4,487 | NB 347+62 | NB 391+74 | 20 | 2,692,200 | 203 | \$13,262 | Yes | Yes | Yes | Yes |
| B8 | 46.1 | 92.5 | 2,617 | NB 405+57 | NB 431+88 | 20 | 1,570,200 | 102 | \$15,394 | Yes | Yes | Yes | Yes |
| B9 | 71.4 | 58.3 | 1,990 | NB 446+15 | NB 465+63 | 24 | 1,432,800 | 21 | \$68,229 | Yes | Yes | No | No |
| B10 | 60.3 | 58.8 | 2,603 | NB 511+30 | NB 536+37 | 22 | 1,717,980 | 68 | \$25,264 | Yes | Yes | Yes | Yes |
| B11 | 84.1 | 42.9 | 1,473 | NB 557+17 | NB 572+05 | 20 | 883,800 | 47 | \$18,804 | Yes | No | Yes | No |
| | | | | Total Cost of Recommended Noise Barriers = | | | 5,980,380 | 373 | | | | | |

Notes:

⁽¹⁾ Estimated cost of the barriers is based on the surface area cost of \$30 per square foot of barrier wall as recommended by KYTC.

⁽²⁾ A design goal of 7 dB(A) noise reduction for a minimum of 40 percent of all benefiting receptors is required.

⁽³⁾ Acoustic effectiveness of a barrier was judged by providing a noise reduction of 5 dB(A) or greater at 50 percent or more of the impacted receptors.

⁽⁴⁾ Cost effectiveness was based on KYTC unit cost of \$35,000 per benefiting receptor (CBR).

Table 10. Summary of Noise Abatement Analysis for Alternative I

| Barrier # | Percentage of Benefited Receptors which Receive 7 dB(A) or Greater Noise Reduction (%) | Percentage of Impacted Receptors which Receive 5 dB(A) or Greater Noise Reduction (%) | Barrier Description | | | | Number Of Benefited Properties | Estimated Cost Per Benefiting Receptor (CBR) (\$) | Noise Barrier Effectiveness | | | KYTC Noise Abatement Criteria Satisfied (Yes/No) |
|-----------|--|---|---------------------|---|------------------------------------|-----------------------------|--------------------------------|---|-------------------------------------|---|---|--|
| | | | Length (feet) | Beginning Point and Highway Direction | Ending Point and Highway Direction | Noise Barrier Height (feet) | | | Design Goal Achieved ⁽²⁾ | Acoustic Feasibility Achieved ⁽³⁾ (Yes/No) | Cost Effective Achieved ⁽⁴⁾ (Yes/No) | |
| B12 | 76.0 | 38.5 | 1,151 | SB 561+63 | SB 550+32 | 24 | 828,720 | 25 | Yes | No | Yes | No |
| B13 | 70.0 | 15.9 | 606 | SB 549+82 | SB 543+92 | 24 | 436,320 | 10 | Yes | No | No | No |
| B14 | 45.5 | 22.0 | 504 | SB 542+96 | SB 537+84 | 24 | 362,880 | 11 | Yes | No | Yes | No |
| B15 | 0.0 | 13.8 | 1,407 | SB 537+33 | SB 522+55 | 24 | 1,013,040 | 8 | No | No | No | No |
| B16 | 29.3 | 100.0 | 1,041 | SB 413+81 | SB 403+29 | 24 | 749,520 | 41 | No | Yes | Yes | No |
| B17 | 68.8 | 94.1 | 1,453 | SB 384+82 | SB 370+60 | 24 | 1,046,160 | 16 | Yes | Yes | No | No |
| B18 | 52.0 | 94.9 | 4,487 | NB 347+62 | NB 391+74 | 20 | 2,692,200 | 198 | Yes | Yes | Yes | Yes |
| B19 | 46.1 | 92.5 | 2,617 | NB 405+57 | NB 431+88 | 20 | 1,570,200 | 102 | Yes | Yes | Yes | Yes |
| B20 | 71.4 | 58.3 | 1,990 | NB 446+15 | NB 465+63 | 24 | 1,432,800 | 21 | Yes | Yes | No | No |
| B21 | 43.1 | 63.8 | 2,593 | NB 511+29 | NB 536+30 | 22 | 1,711,380 | 65 | Yes | Yes | Yes | Yes |
| B22A | NA ⁶ | NA ⁶ | 582 | NB 550 +76 | NB 557 +34 | 26 | 453,960 | 4 | NA ⁶ | NA ⁶ | NA ⁶ | NA ⁶ |
| B22B | NA ⁶ | NA ⁶ | 1,410 | NB 557 +34 | NB 571+35 | 30 | 1,269,000 | 8 | NA ⁶ | NA ⁶ | NA ⁶ | NA ⁶ |
| B22(A+B) | 50.0 | 9.6 | 1,992 | NB 550 +76 | NB 571+35 | 26-30 | 1,722,960 | 12 | \$143,580 | Yes | No | No |
| | | | | Total Cost of Recommended Noise Barriers = | | | 5,973,780 | 365 | | | | |

Notes:

⁽¹⁾ Estimated cost of the barriers is based on the surface area cost of \$30 per square foot of barrier wall as recommended by KYTC.

⁽²⁾ A design goal of 7 dB(A) noise reduction for a minimum of 40 percent of all benefiting receptors is required.

⁽³⁾ Acoustic effectiveness of a barrier was judged by providing a noise reduction of 5 dB(A) or greater at 50 percent or more of the impacted receptors.

⁽⁴⁾ Cost effectiveness was based on KYTC unit cost of \$35,000 per benefiting receptor (CBR).

⁽⁵⁾ Not Applicable (NA). Noise barrier feasibility and reasonableness for Barrier B22 was determined for the combined length of B22A plus B22B. The two barrier segments act as a system to provide abatement to portions of Goebel Park

7.0 HIGHWAY CONSTRUCTION-RELATED NOISE

Generally, annoyance effects can be expected during construction at sites within 250 feet of the activity. Actual distances at which noise impacts would occur depend on a number of factors including the type and number of construction equipment in site and their duration of usage.

7.1 Noise Effects during Construction

Noise from construction activities will add to the average noise level during the construction phase. Construction activities are temporary in nature and all activities are expected to occur during normal daytime waking hours; however, noise from construction could result in annoyance or disruption of sleep if nighttime operations should occur. In any case, construction operations should adhere to any local construction noise ordinances. Noise may also be generated by increases in heavy truck traffic to and from the project area.

Construction activities within the I-71/I-75 Corridor would have short-term noise effects on receptors in the immediate vicinity of the area. Effects on community noise levels during construction would result from equipment and delivery vehicles traveling to and from the area. The level of effect would depend on the noise characteristics of the equipment and activities involved, such as, the duration of the activity, the construction schedule, and the distance from receptors. Resultant noise levels at a given receptor location would depend on the type and number of pieces of construction equipment being operated and the distance from the construction site. Noise levels from construction activities can vary widely, depending on the phase of construction, which include land clearing and excavation, construction of new roadways and retaining walls. Noise generated from construction activity would be highest typically during the first year when excavation and heavy daily truck traffic would occur.

Typical noise levels from construction equipment, which may be employed during the construction period, are presented in Table 11. Noise levels measured at 50 feet from the construction equipment range from 81 dB(A) for generators to 101 dB(A) for pile drivers. The total hourly average sound energy [L_{eq} (1-hr) dB(A)] at a distance of 50 feet from the construction site boundary is in the order of 80 to 85 dB(A). Noise levels at receptors located at known distances from the construction site boundary can be conservatively estimated by assuming a 6 dB(A) drop-off per doubling of distance from each type of construction equipment and by combining the noise contributions from all of the construction equipment at the receptor site.

7.2 Construction Noise Abatement Measures

Although increases in the noise levels due to the construction of the project are temporary, measures should be taken to minimize impacts noise. Recommended standard measures include the following:

- informing the public when work is going to be performed,
- limit the number and duration of idling equipment on site,
- install mufflers on equipment and maintain all construction equipment in good repair,
- reduce noise from all stationary equipment by utilizing suitable enclosures,
- minimize the use of back-up alarms,
- schedule and space truck loading and unloading operations to minimize noise impacts,

- limit operation of heavy equipment and other noisy procedures to daylight hours whenever possible, and
- locate equipment and vehicle staging areas as far from noise sensitive areas as possible.

Table 11. Typical Roadway Construction Equipment Noise Levels

| Equipment | Typical Noise Level (dB(A) at 50 feet from Source)* |
|----------------------|--|
| Air Compressor | 81 |
| Backhoe | 80 |
| Ballast Equalizer | 82 |
| Ballast Tamper | 83 |
| Compactor | 82 |
| Concrete Mixer | 85 |
| Concrete Pump | 82 |
| Concrete Vibrator | 76 |
| Crane Derrick | 88 |
| Crane Mobile | 83 |
| Dozer | 85 |
| Generator | 81 |
| Grader | 85 |
| Impact Wrench | 85 |
| Jack Hammer | 88 |
| Loader | 85 |
| Paver | 89 |
| Pile Driver (Impact) | 101 |
| Pile Driver (Sonic) | 96 |
| Pneumatic Tool | 85 |
| Pump | 76 |
| Rail Saw | 90 |
| Rock Drill | 98 |
| Roller | 74 |
| Saw | 76 |
| Scarifier | 83 |
| Scraper | 89 |
| Shovel | 82 |
| Spike Driver | 77 |
| Tie Cutter | 84 |
| Tie Handler | 80 |
| Tie Inserter | 85 |
| Truck | 88 |

Source: Environmental Protection Agency (EPA) Report: *Construction Noise Technology Initiative* (Report 1789, September 1980).

8.0 CONCLUSIONS AND RECOMMENDATIONS

A noise barrier analysis was completed utilizing the Federal Highway Administration (FHWA) Traffic Noise Model Version 2.5 (TNM) for adjacent residential communities and other noise sensitive areas where noise impacts are predicted to occur and where a lowered noise level would be beneficial. The TNM modeling analysis for the two Build Alternatives yielded similar future (2035) predicted noise level with slightly more impacts under the PM peak hour when compared to the AM peak hour impacts. For Alternative E, there are 553 land use activities that would experience noise levels at or above the noise abatement criteria (NAC) impact thresholds established by the Federal Highway Administration (FHWA). These consist of 507 Activity Category B, 26 Category C, six Category D use and 14 Category E uses. For Alternative I, there are 565 land use activities that would experience noise levels at or above the NAC. These include 511 Category B, 34 Category C, six Category D, and 14 Category E uses.

A noise abatement analysis was completed for impacted areas where the construction of noise walls was determined to be feasible based upon Kentucky Transportation Cabinet (KYTC) noise guidance. The noise abatement evaluation considered sound barriers at 11 locations. Summaries of those findings are contained in Table 9 for Alternative E and Table 10 for Alternative I. Illustrations depicting the location of each proposed noise barrier are shown on Exhibits 4 through 21.

The abatement analysis findings indicate that three proposed noise barriers would satisfy the KYTC noise abatement feasibility and reasonableness requirements. The three recommended noise barriers under the Build Alternatives provide abatement for three residential communities. The three recommended noise barriers consist of a total of 9,707 linear feet of barrier wall, ranging in height from 20 to 22 feet for Alternative E and a total of 9,697 linear feet of barrier wall ranging in height from 20 to 22 feet under Alternative I. The recommended noise barriers are located between the following major intersections:

- I-71/75 northbound between Beechwood Road and Dixie Highway (Exhibits 8 and 17),
- I-71/75 northbound between Dixie Highway and Kyles Lane (see Exhibits 9 and 18), and
- I-71/75 northbound between Kyles Lane and West 12th Street (see Exhibits 11 and 20).

The recommended barriers under Alternative E would provide acoustic effectiveness for 373 equivalent noise receptors at a cost of approximately \$5.9 million. Under Alternative I, the recommended barriers would provide acoustic effectiveness for 365 noise receptors at a cost of approximately \$5.9 million dollars. The final decision on the installation of any abatement measure will be determined in coordination with local officials and residents of the impacted properties during the public involvement process.

9.0 REFERENCES

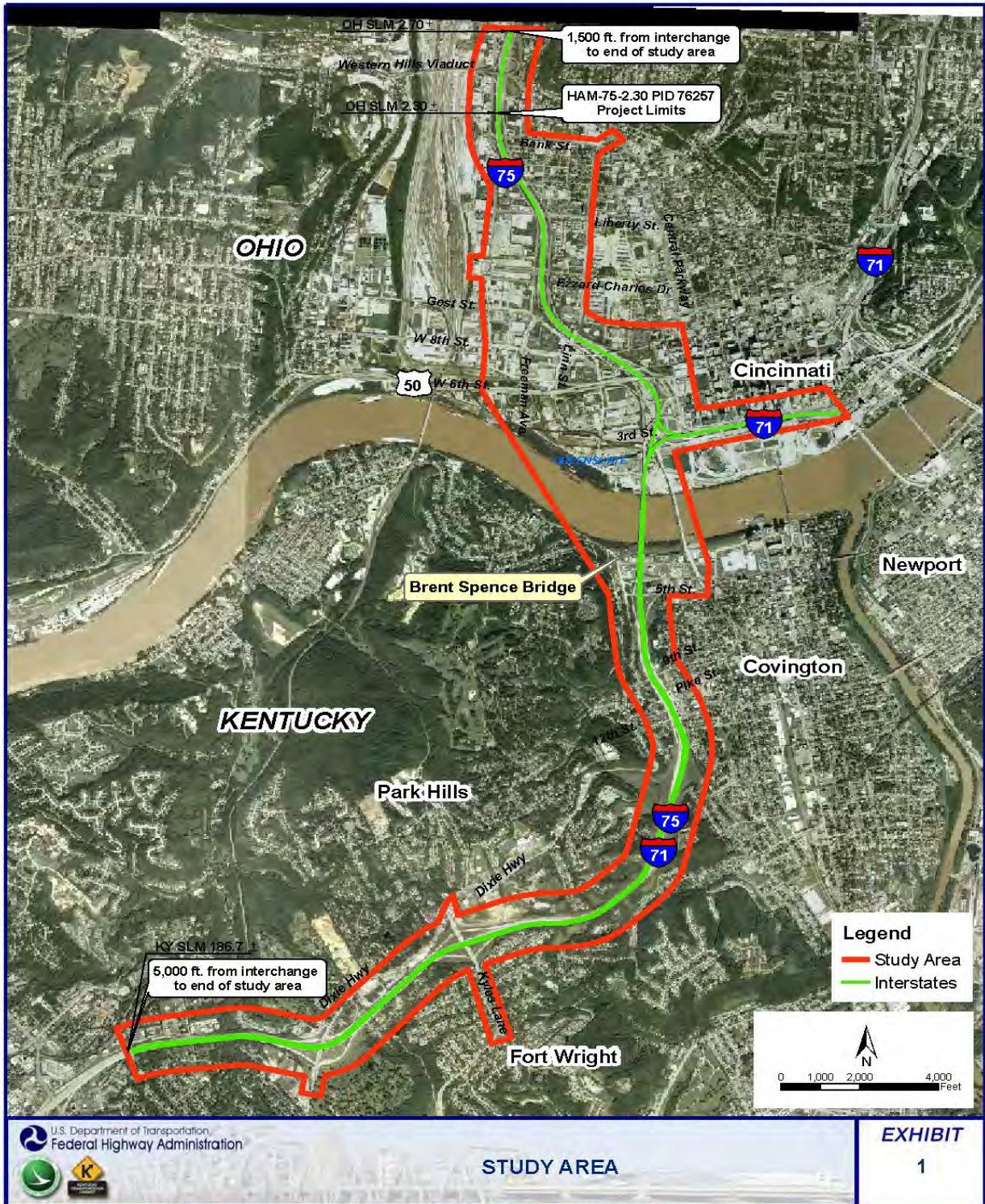
Brent Spence Bridge Noise Screening Report (PID No 75119, HAM-71/75-0.00/0.22, KYTC Project Item No. 5-17), February 2009.

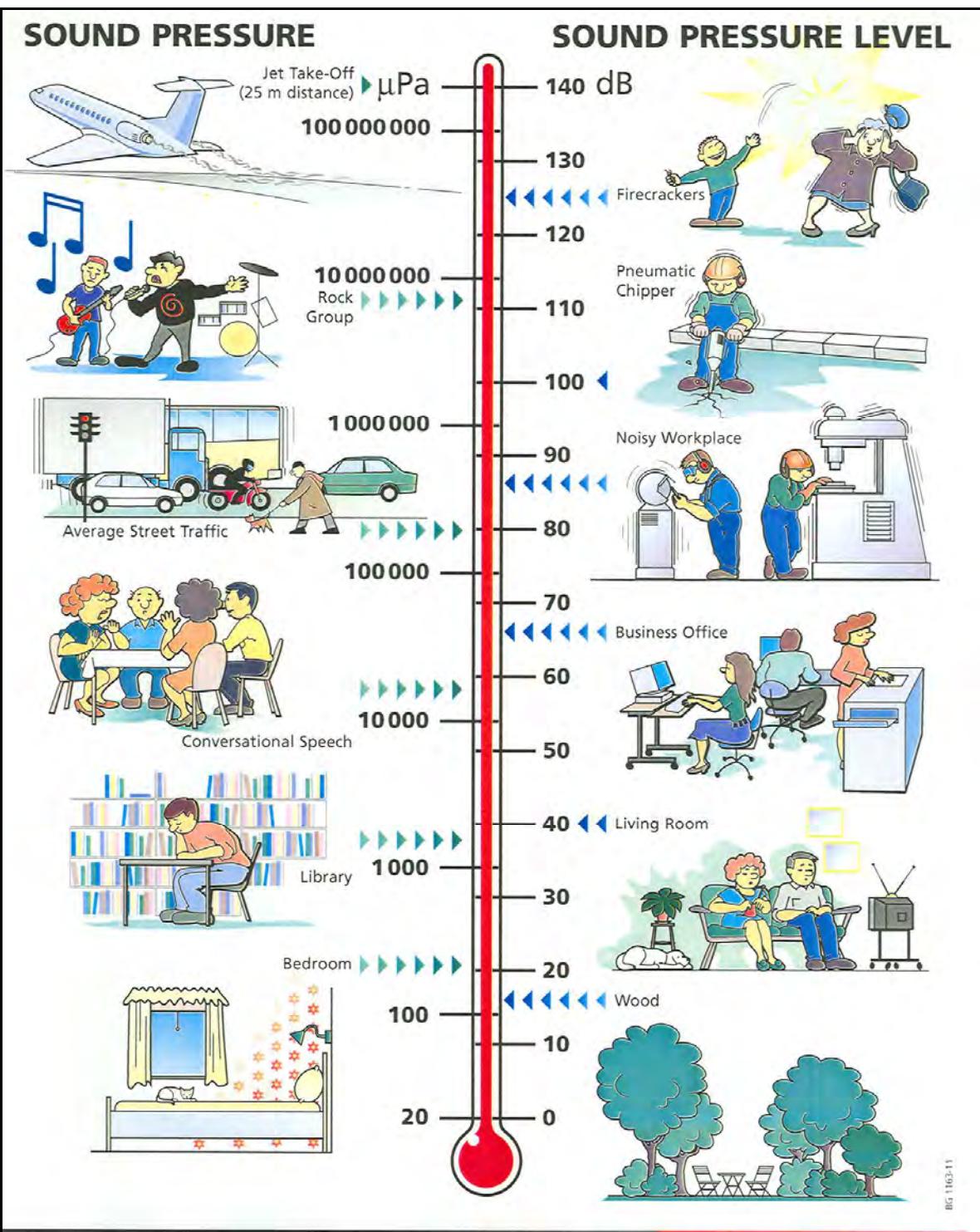
Highway Traffic Noise Analysis and Abatement, Federal Highway Administration, 23 CFR 772. June 1995.

Measurement of Highway Noise Related Noise, Federal Highway Administration (Report No. FHWA-DP-45-1R) August 1996.

Noise Analysis and Abatement Policy, Kentucky Transportation Cabinet, July 13, 2011.

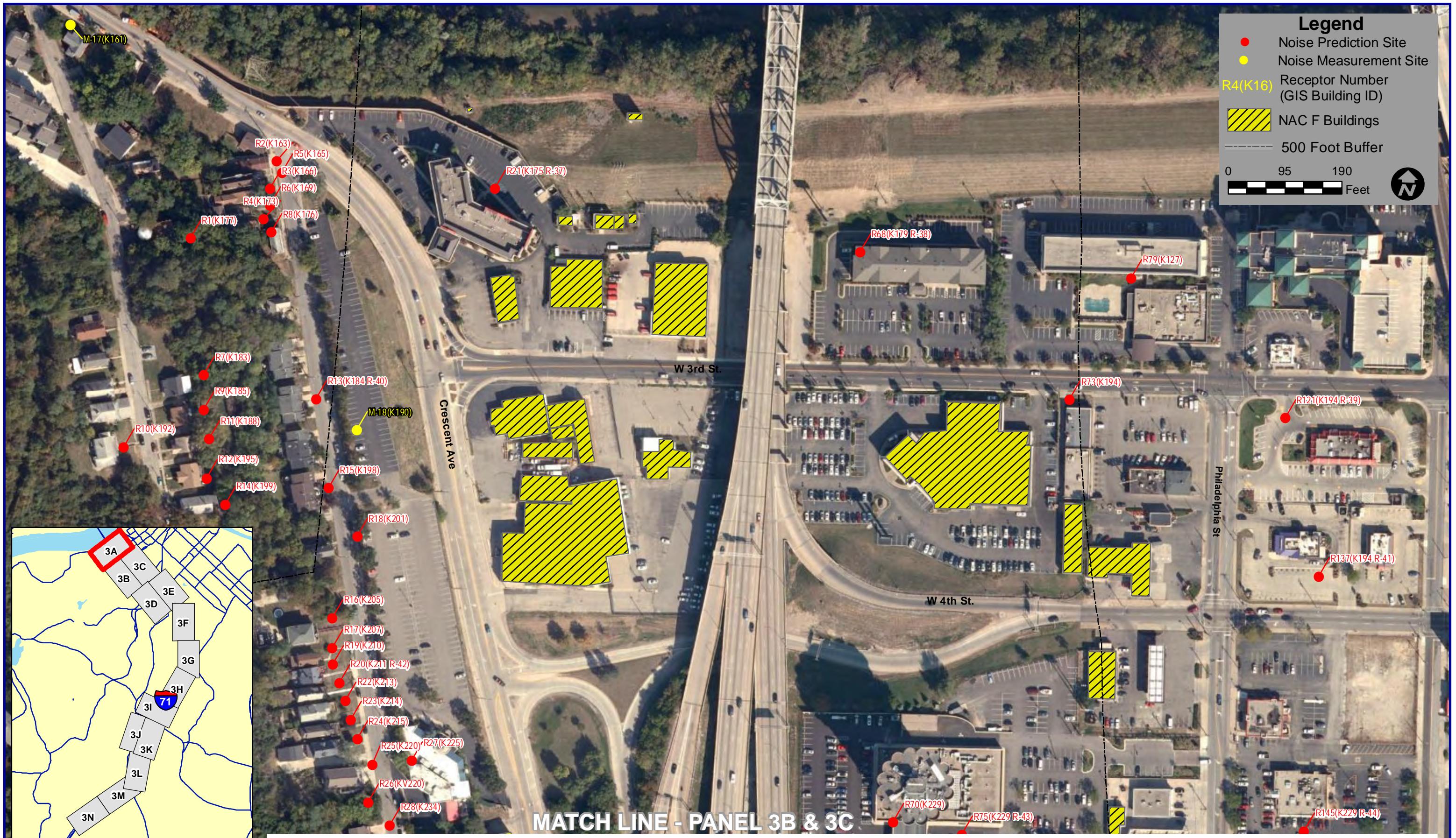
Exhibits





Source: Brüel and Kjær. Environmental Noise, Sound and Vibration Measurements, 2000

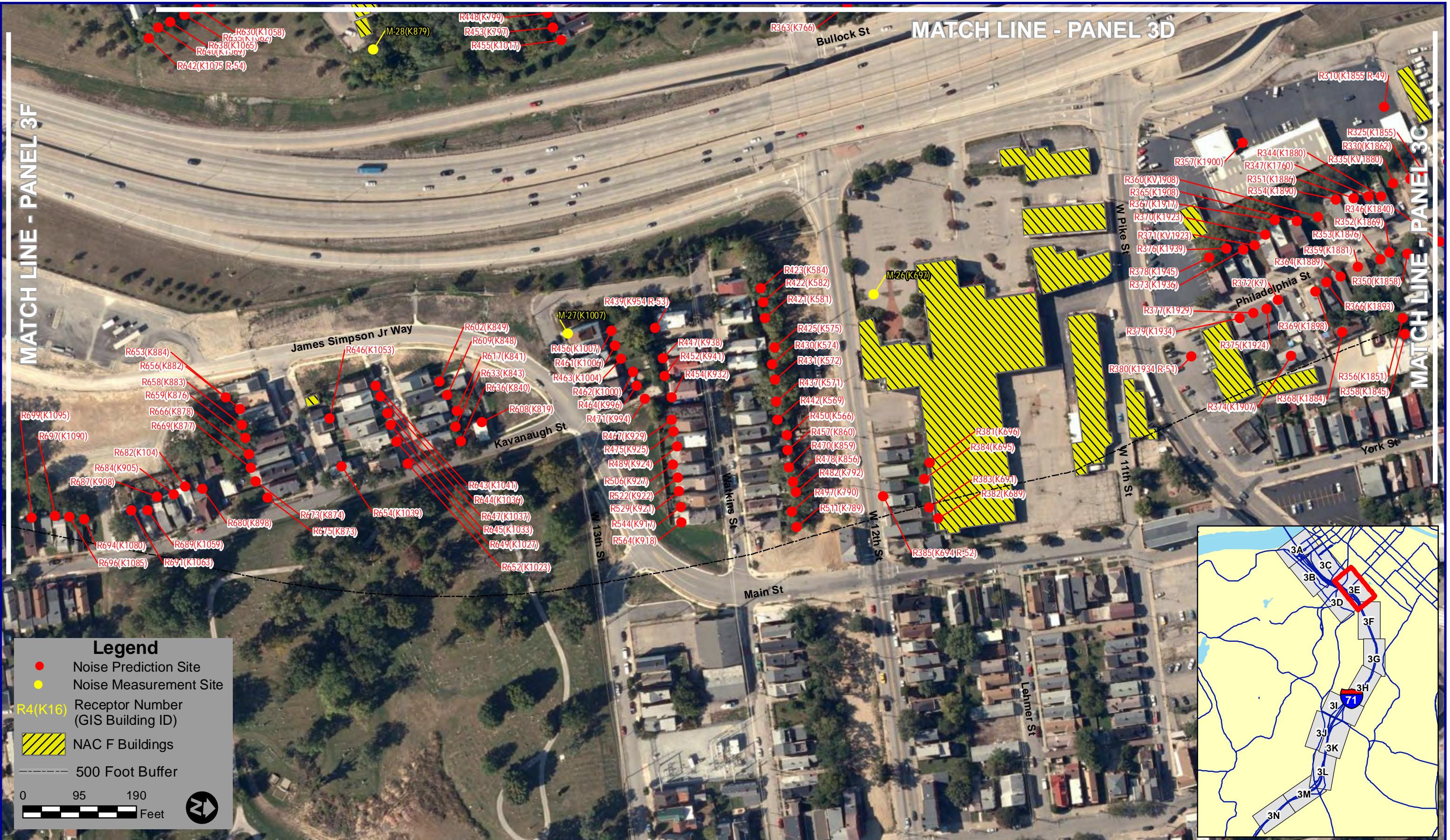
EXHIBIT 2: SOUND PRESSURE LEVELS































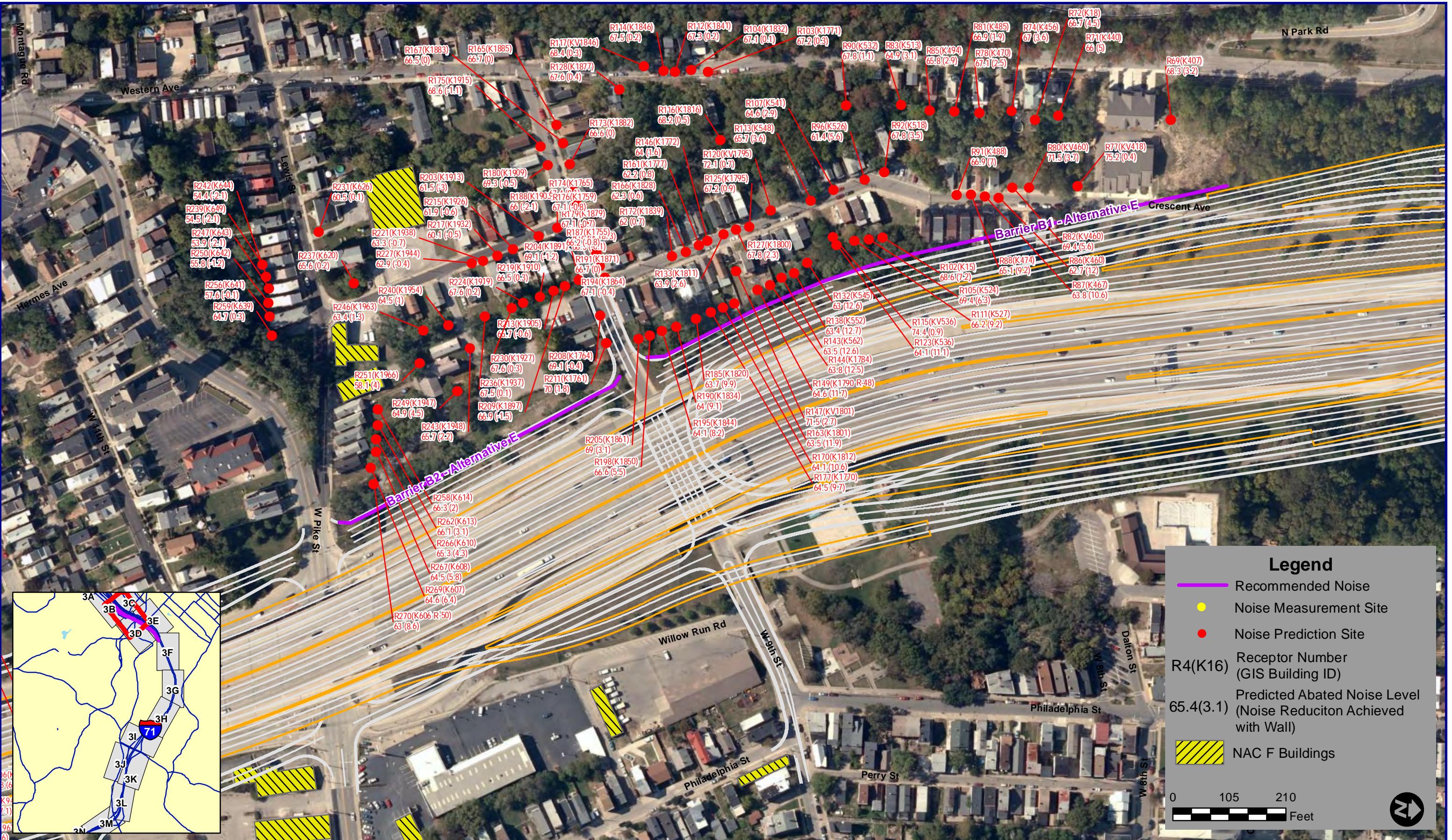
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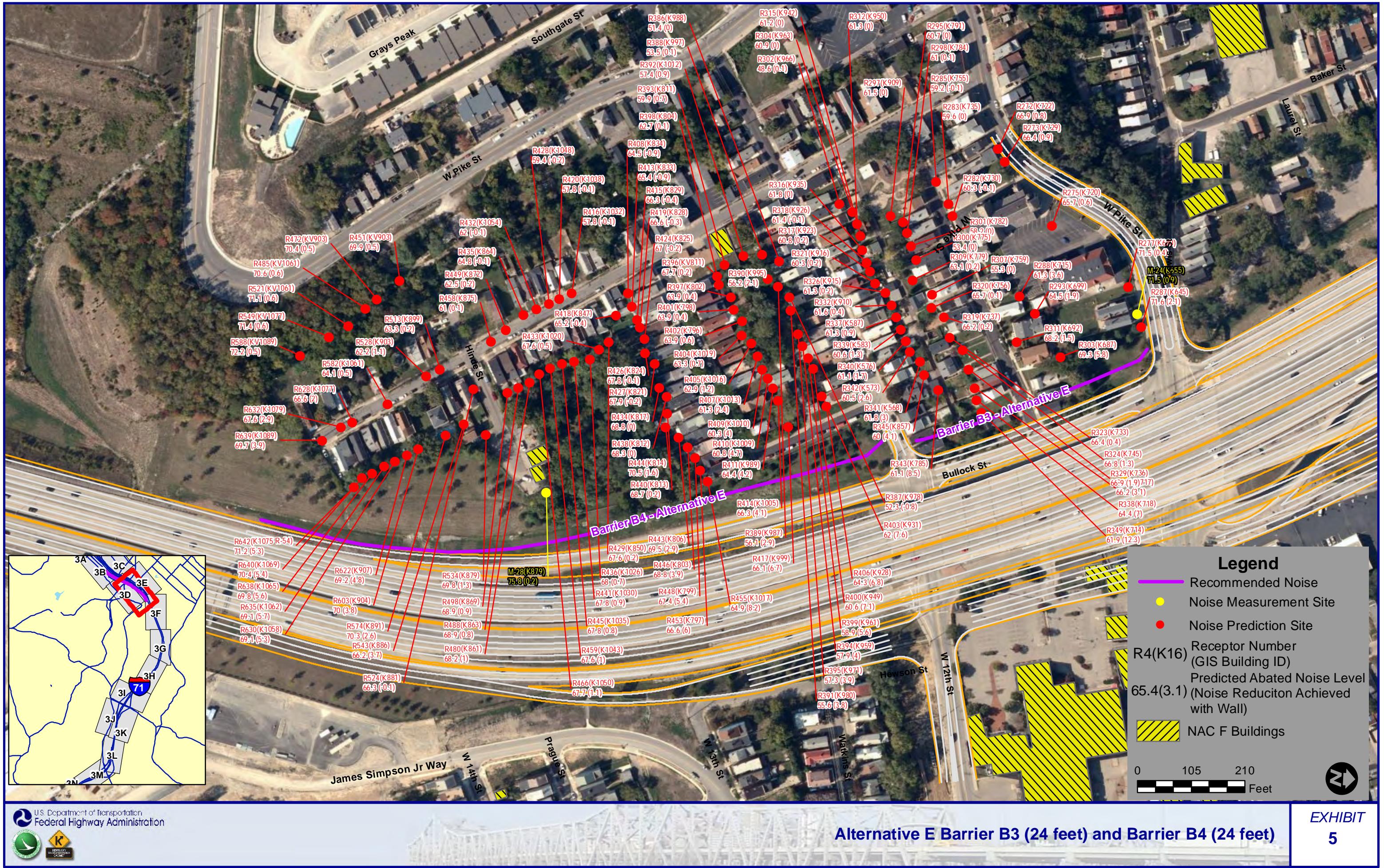
- 1 24 Hours Noise Measurement Sites

Goebel Park 24 Hour Noise Measurement Sites

EXHIBIT

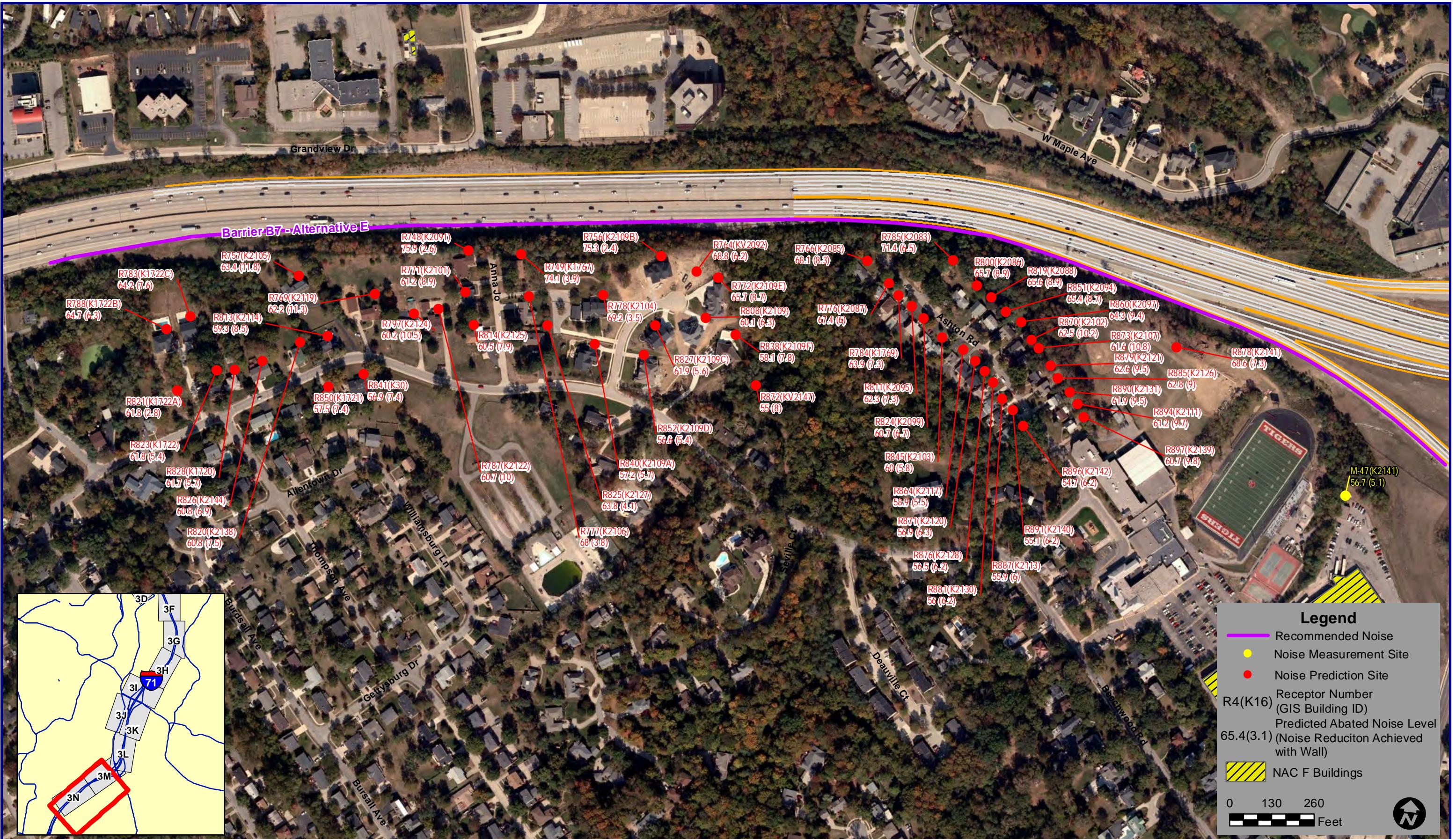
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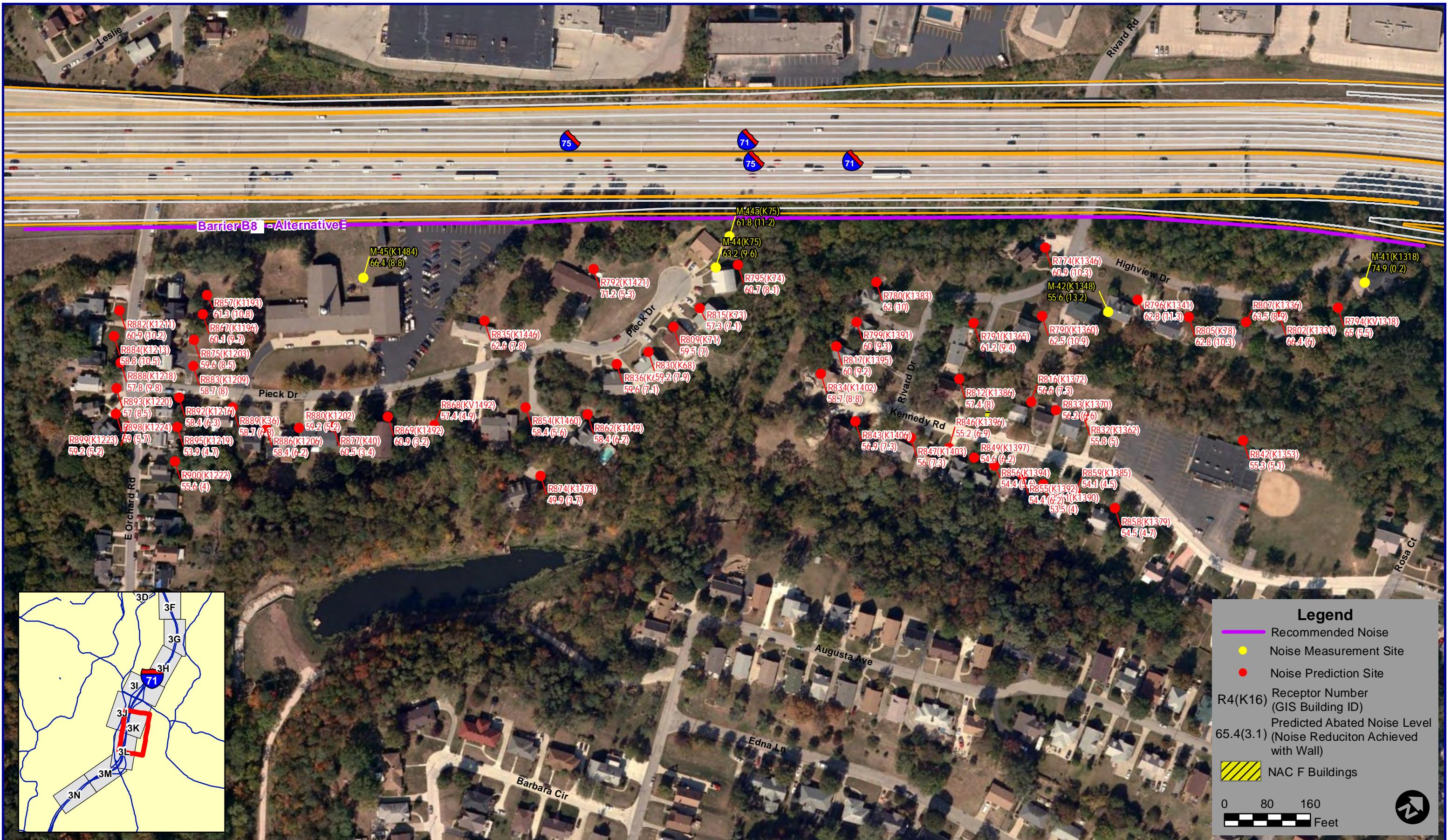


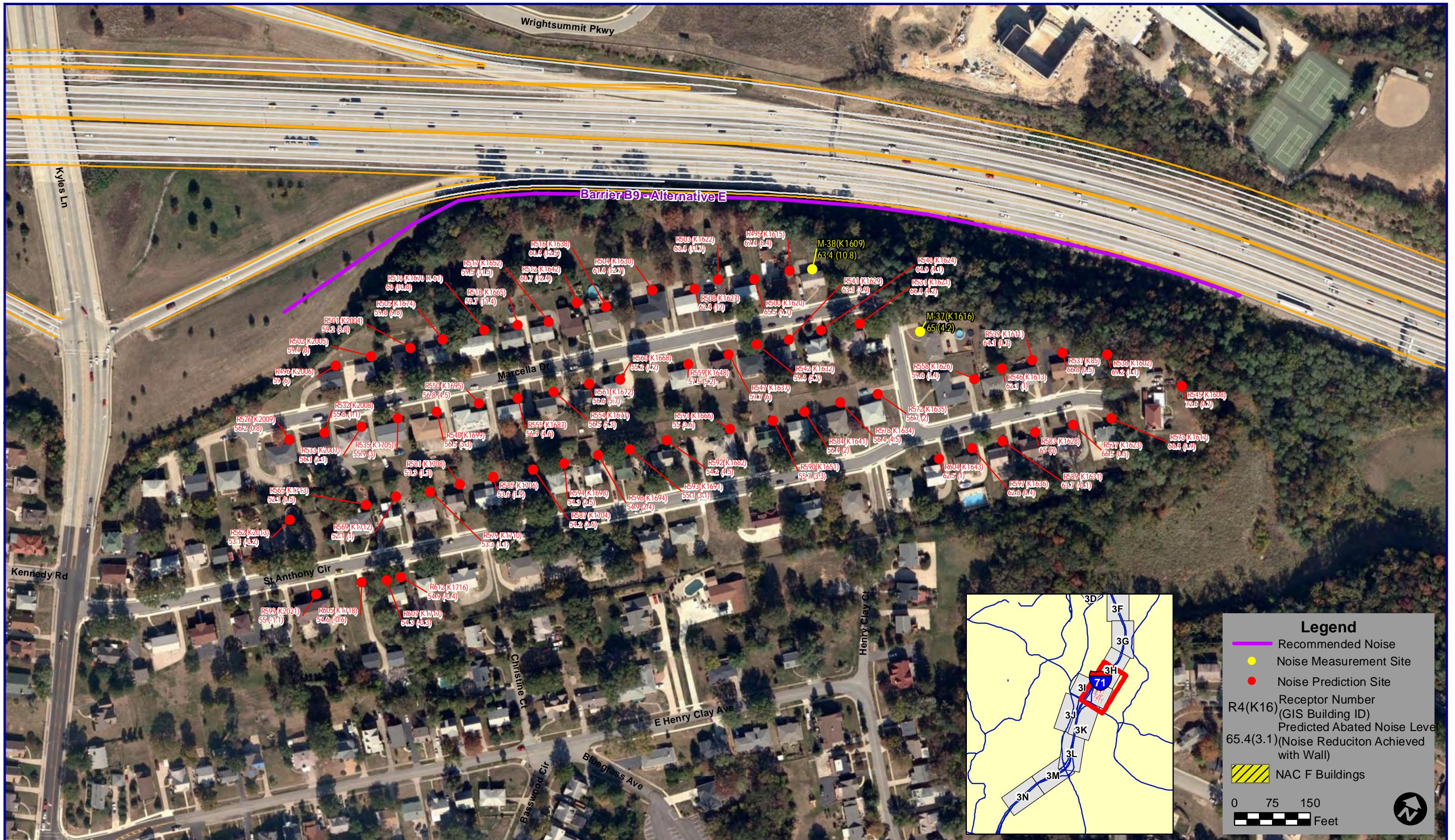


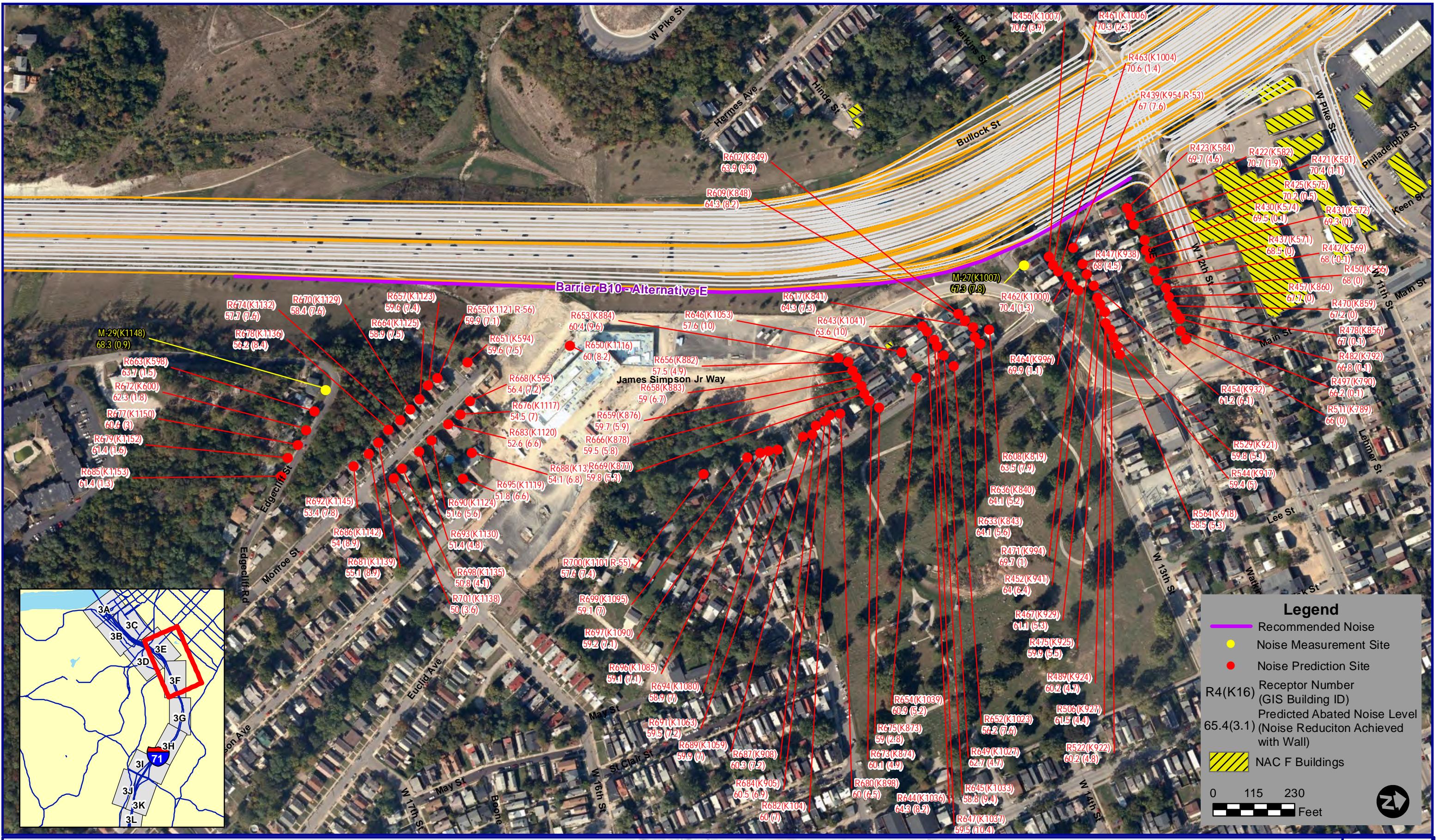




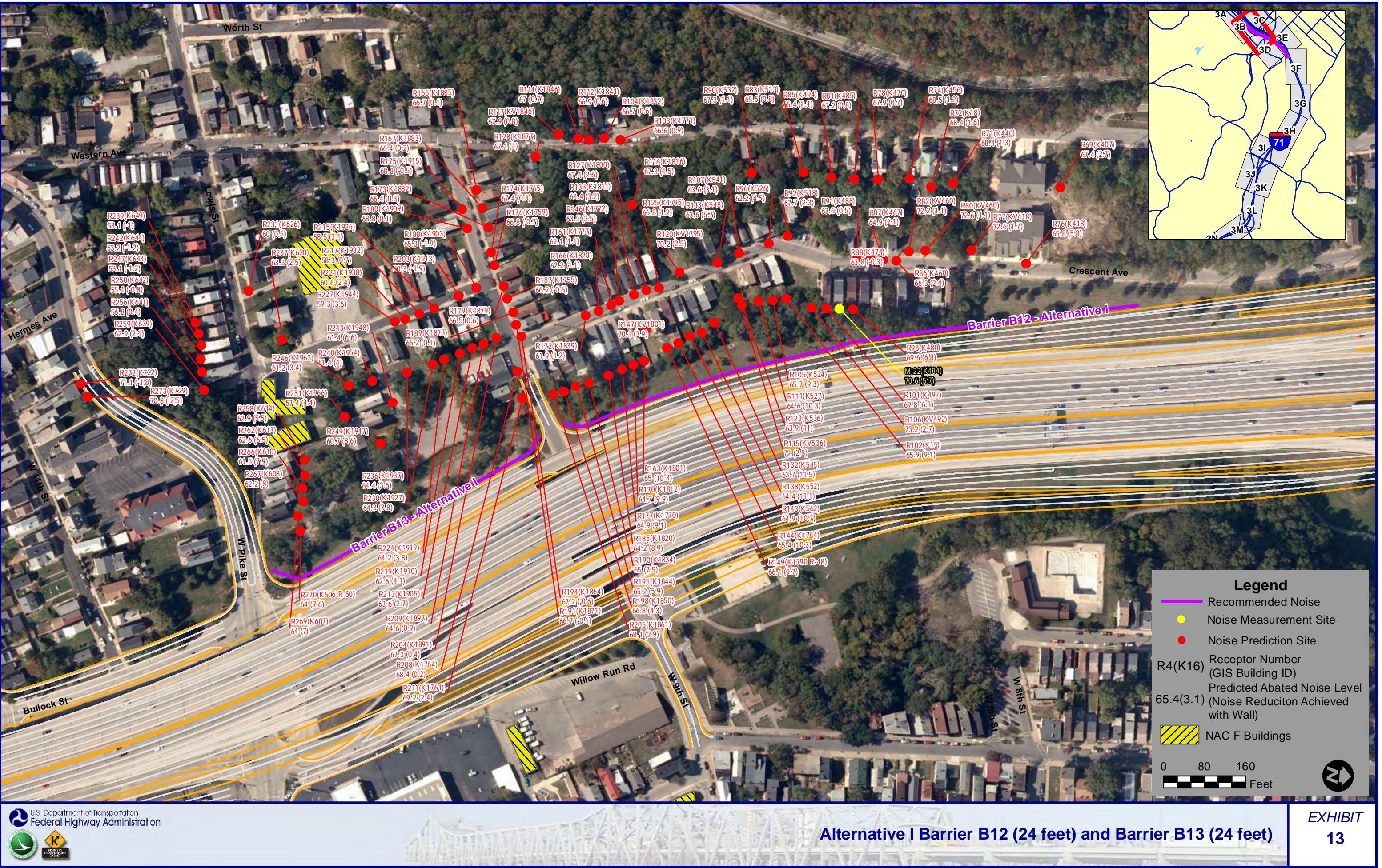


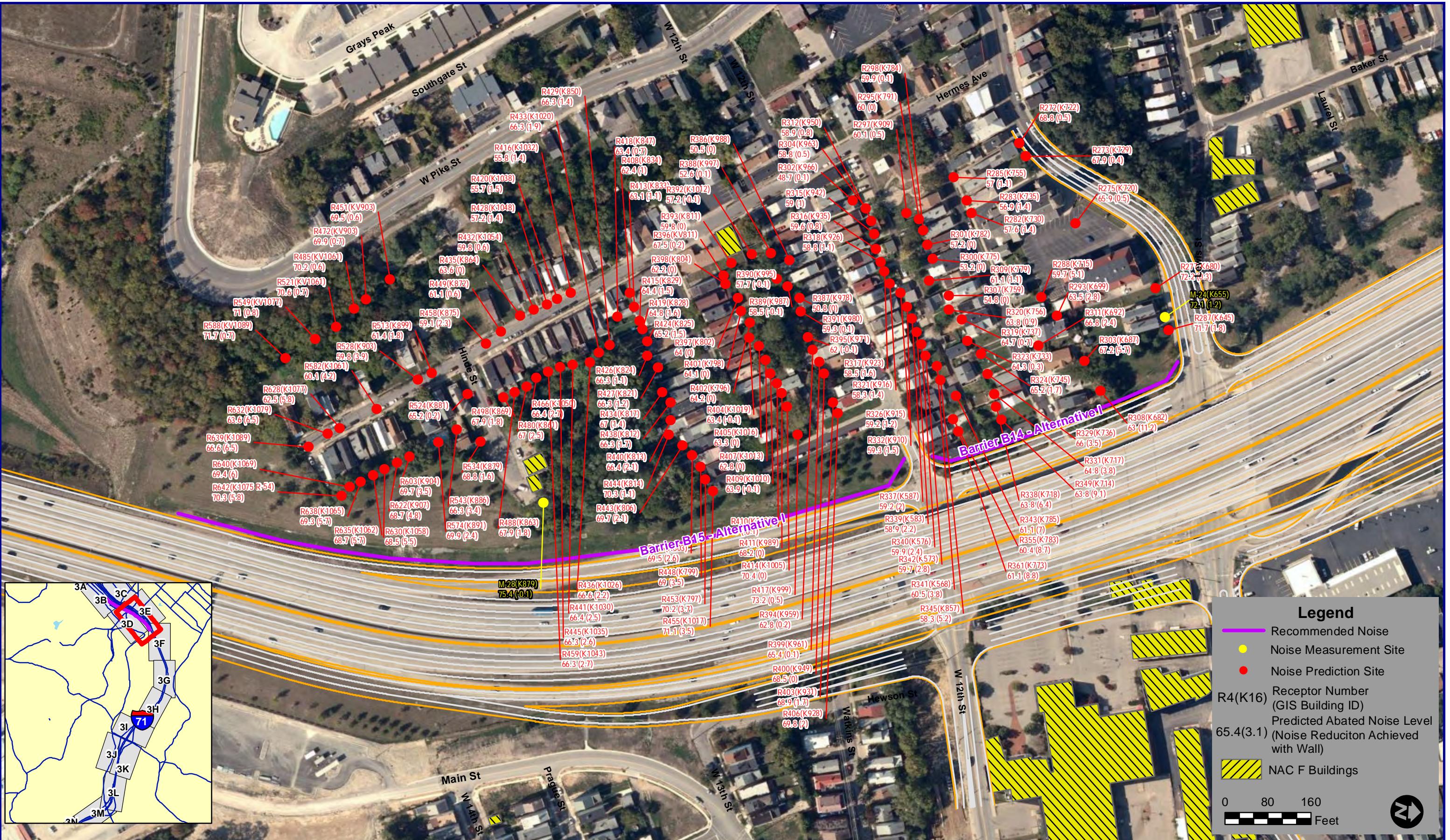






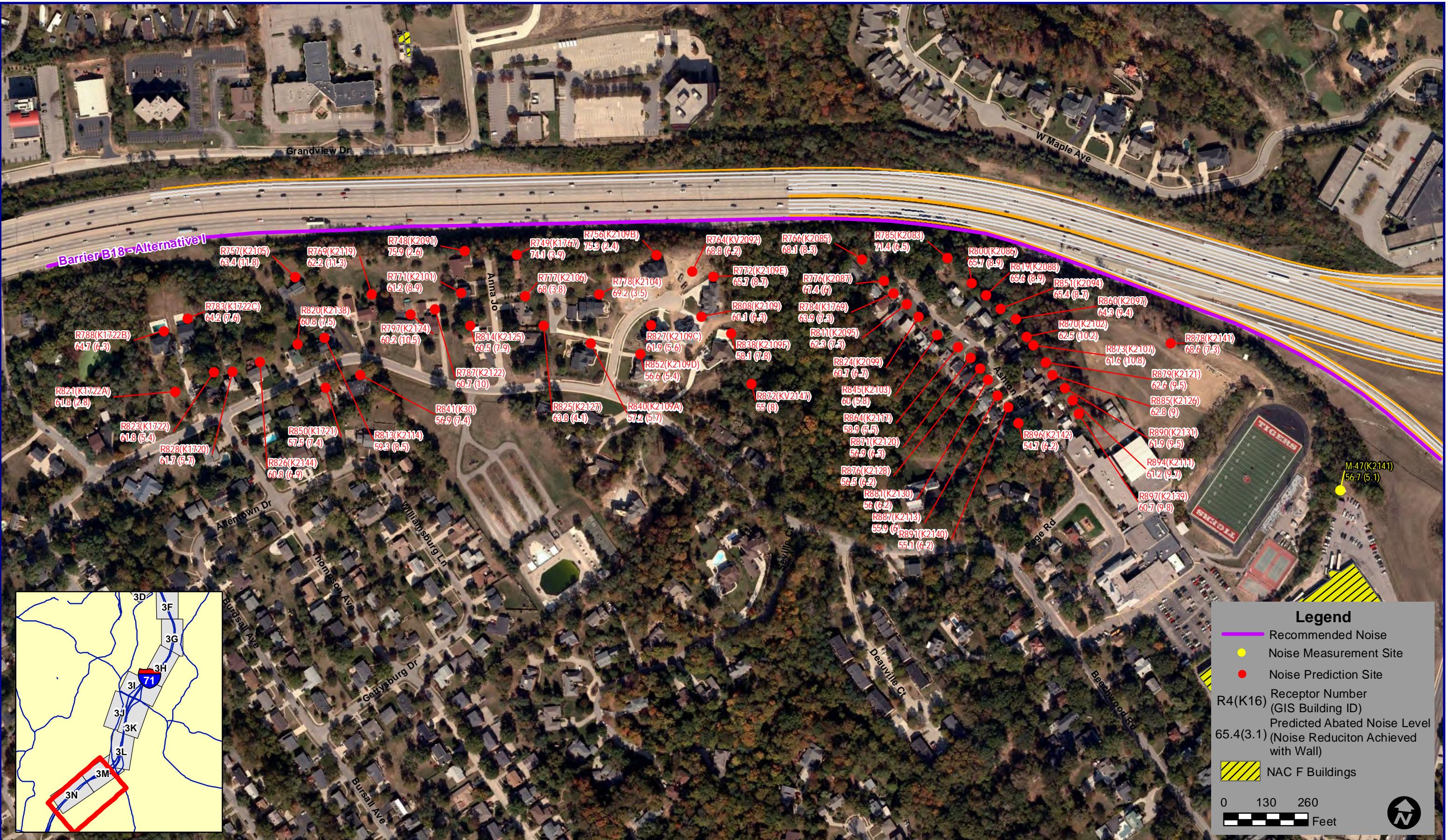




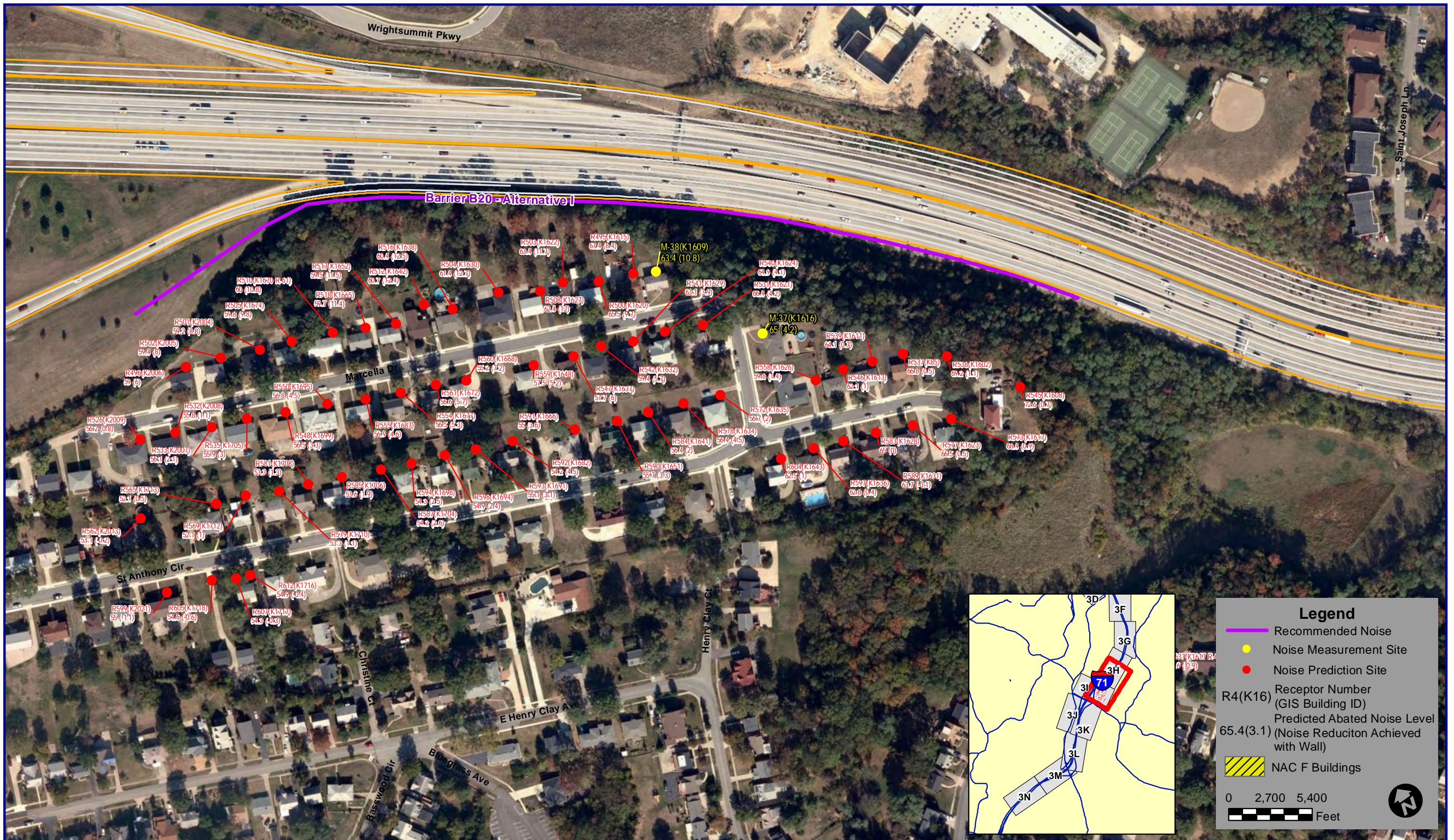


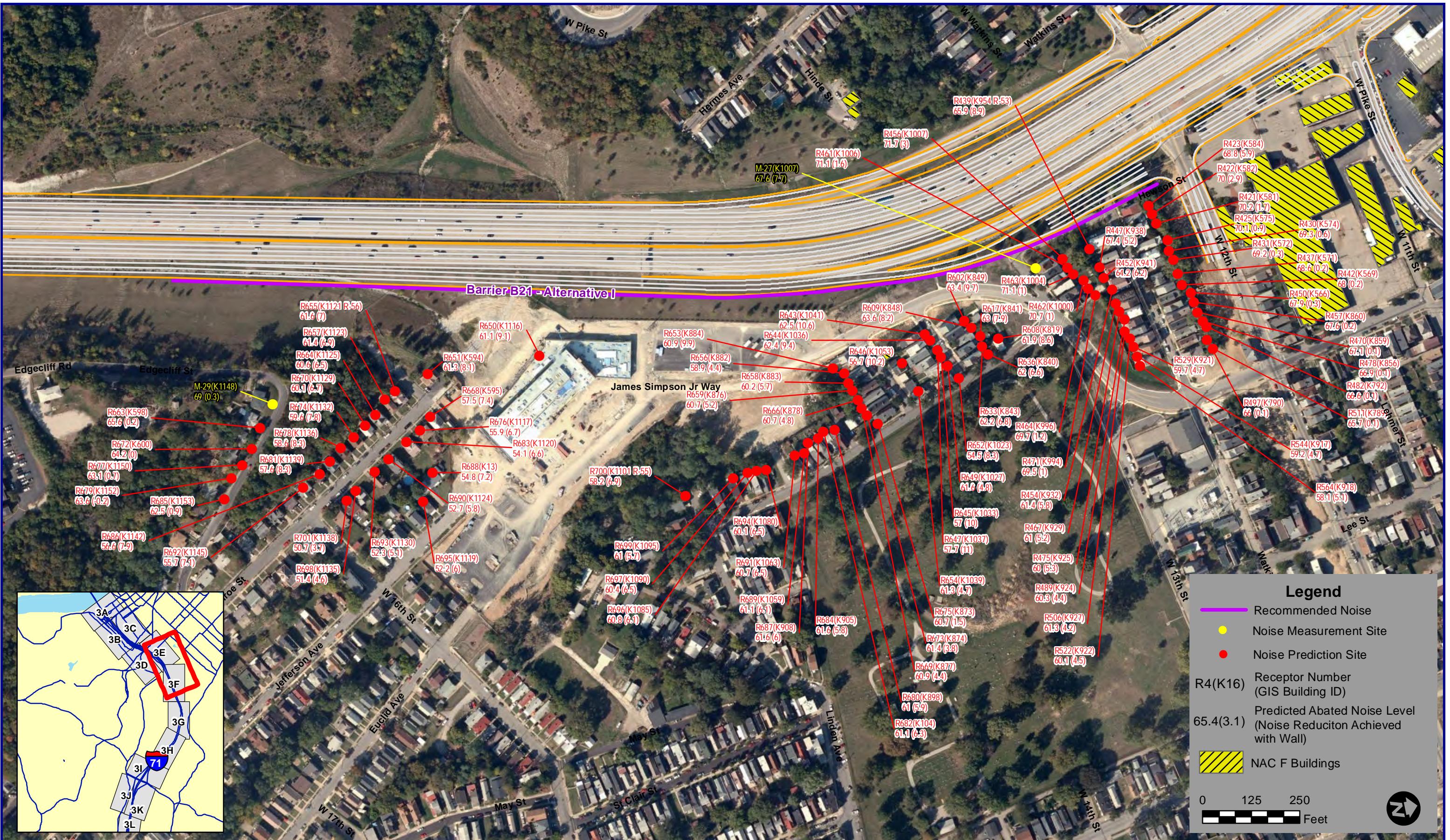


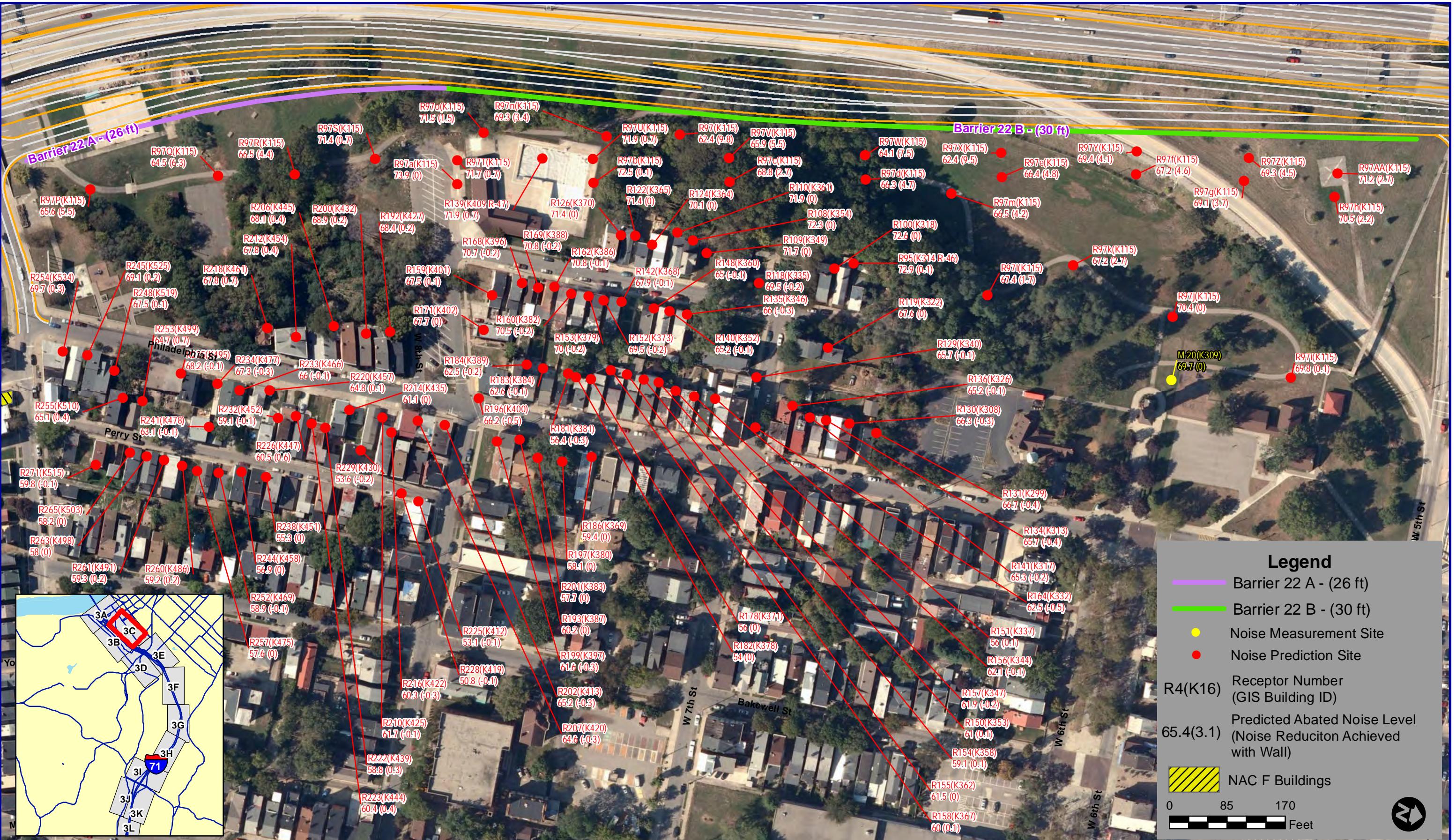




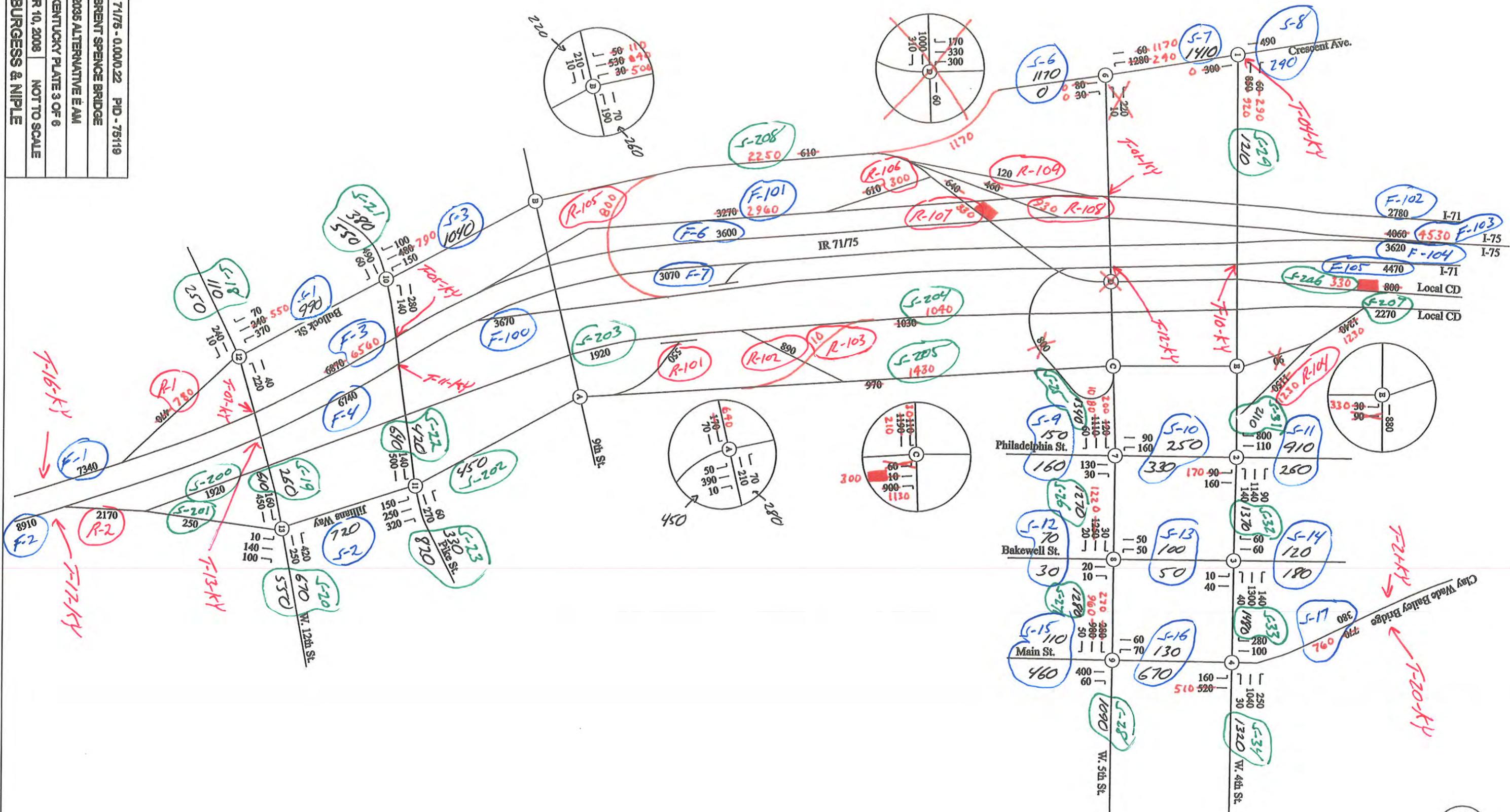






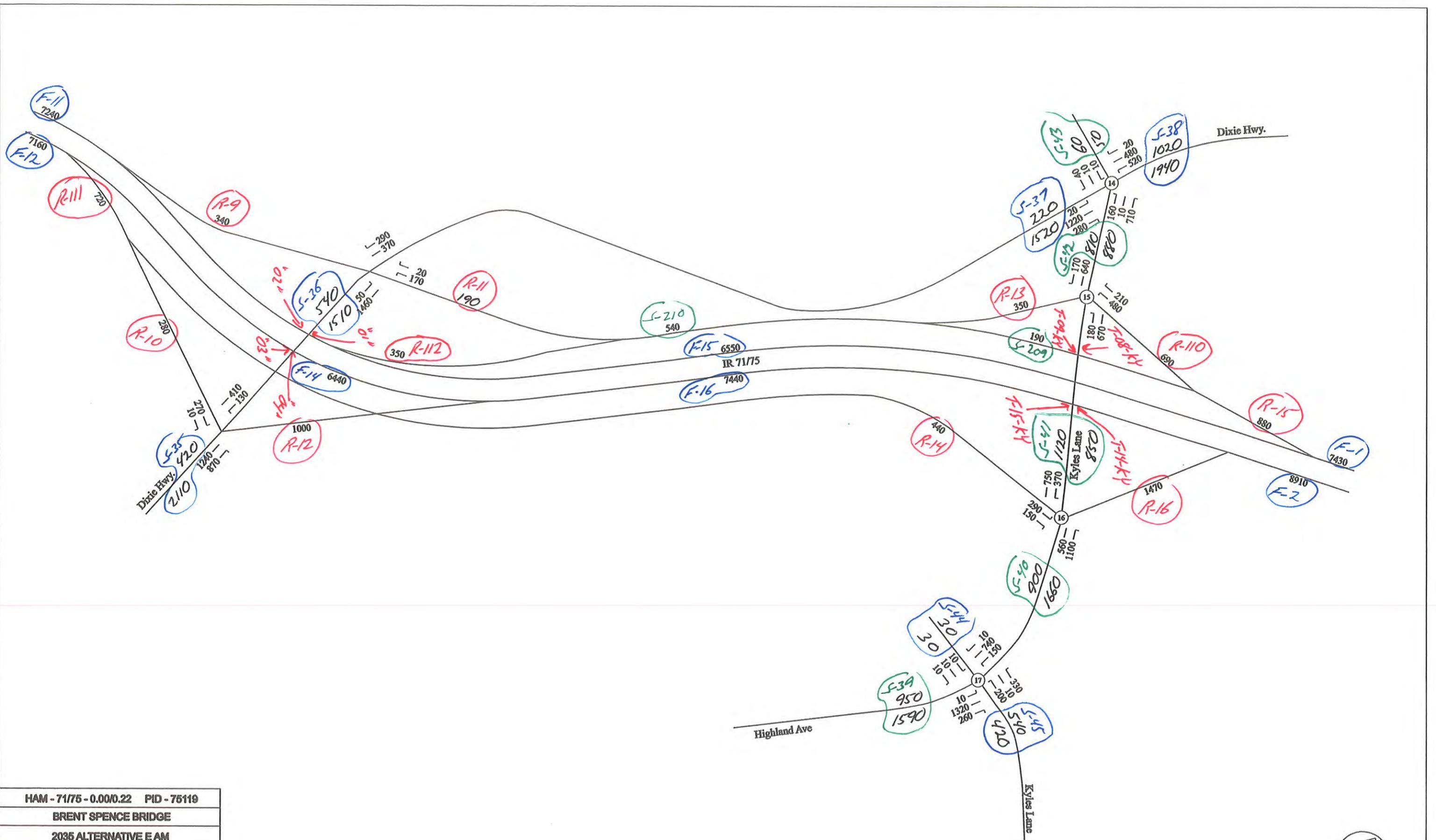


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 KENTUCKY PLATE 3 OF 6
 SEPTEMBER 10, 2008 NOT TO SCALE
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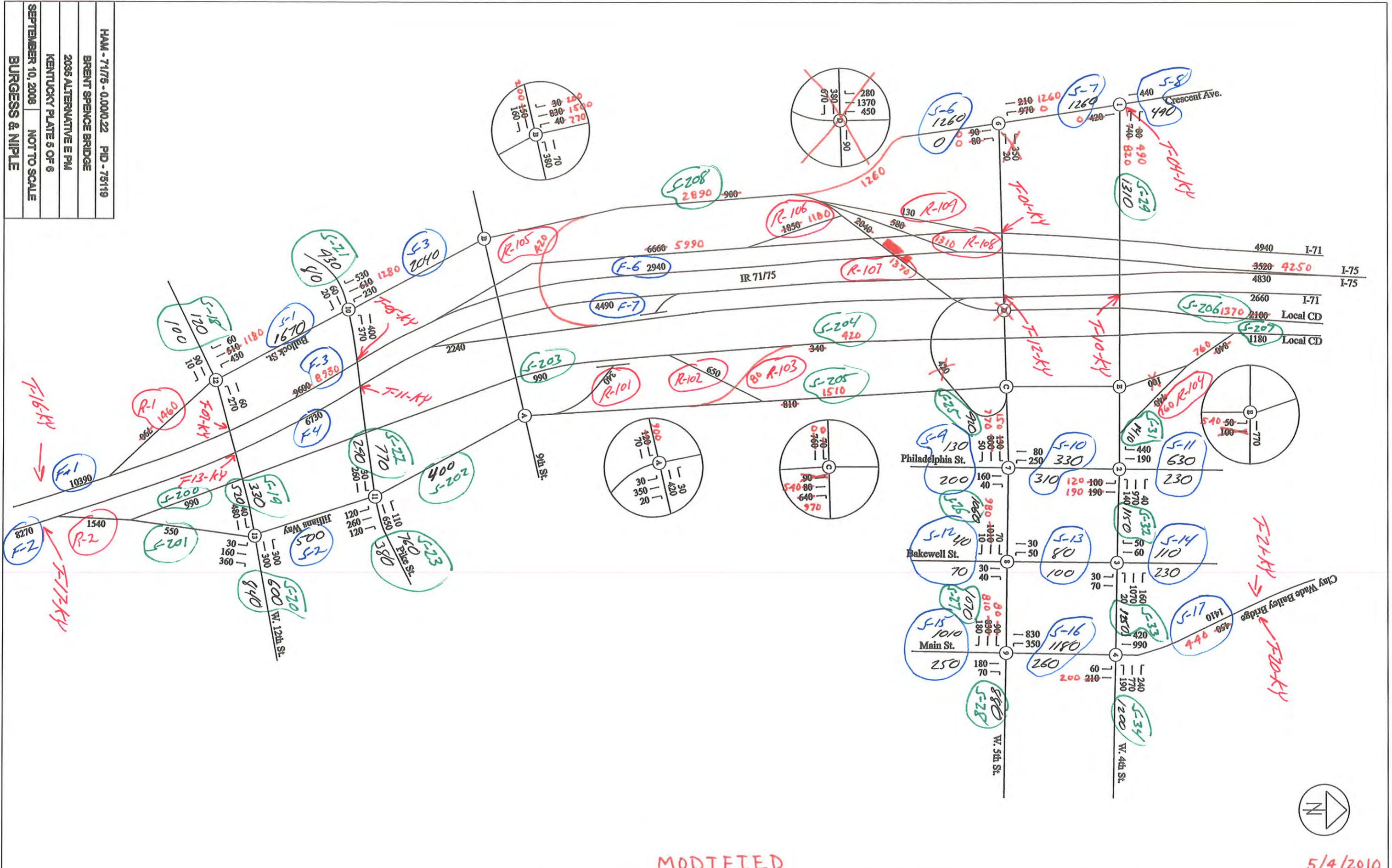


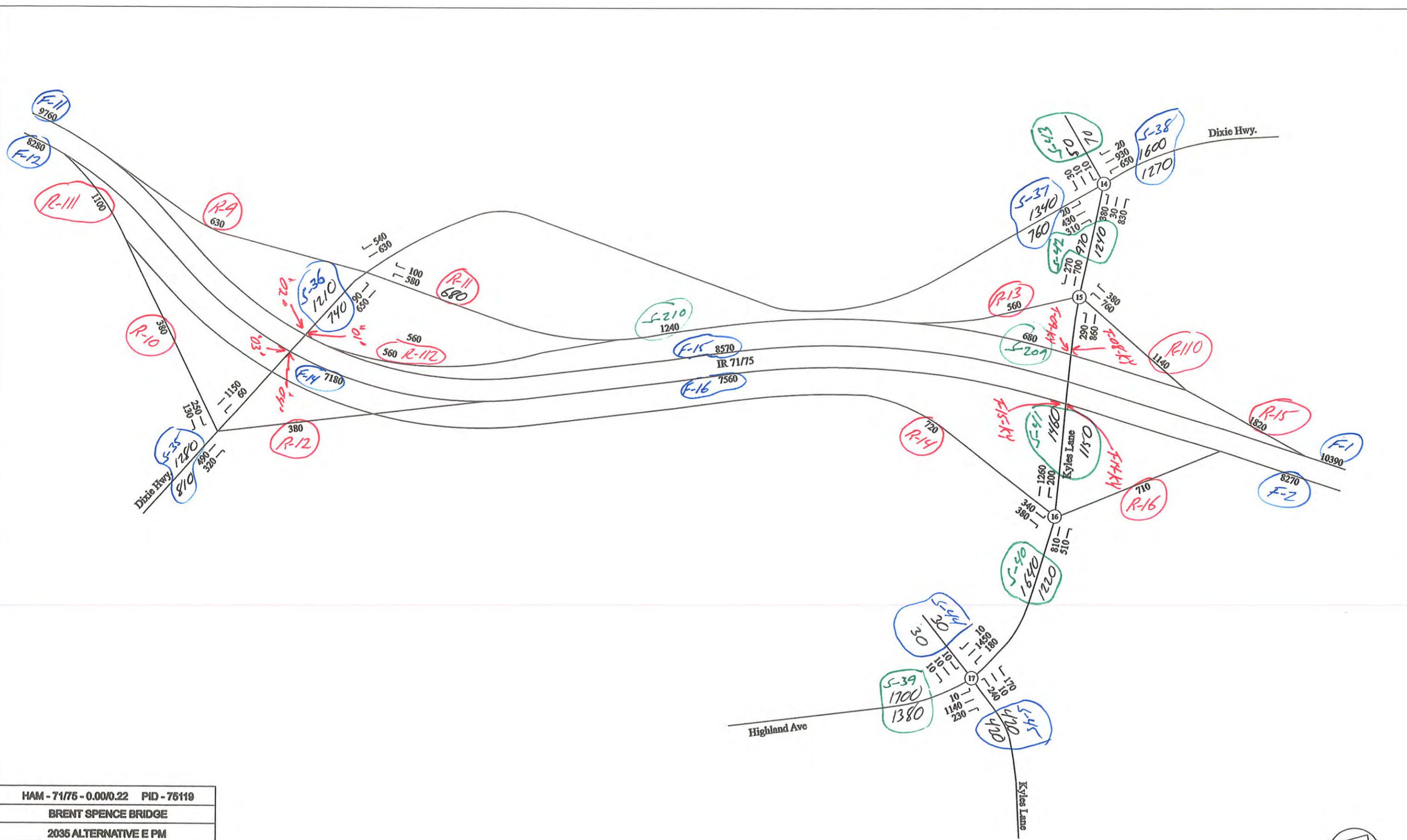
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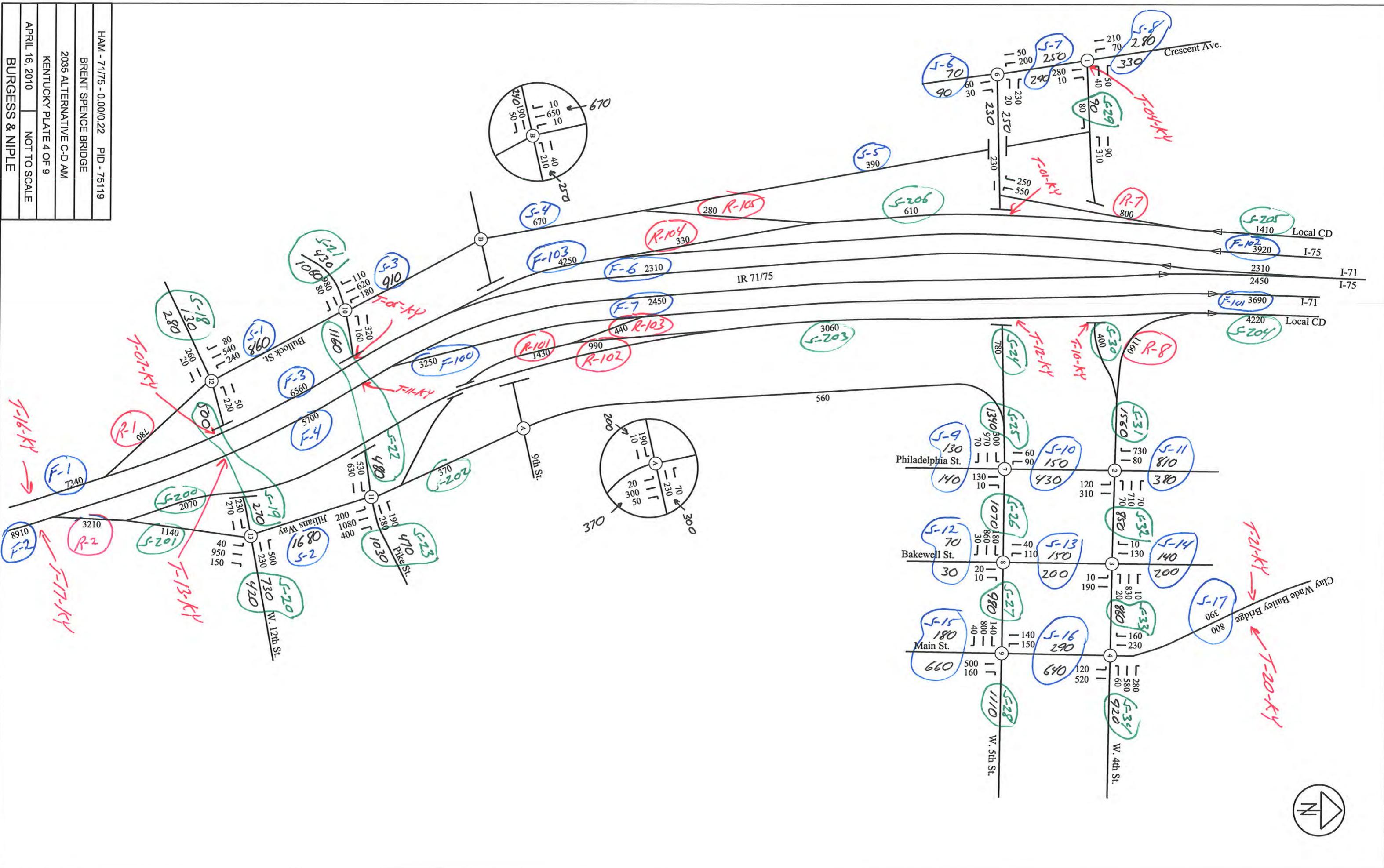


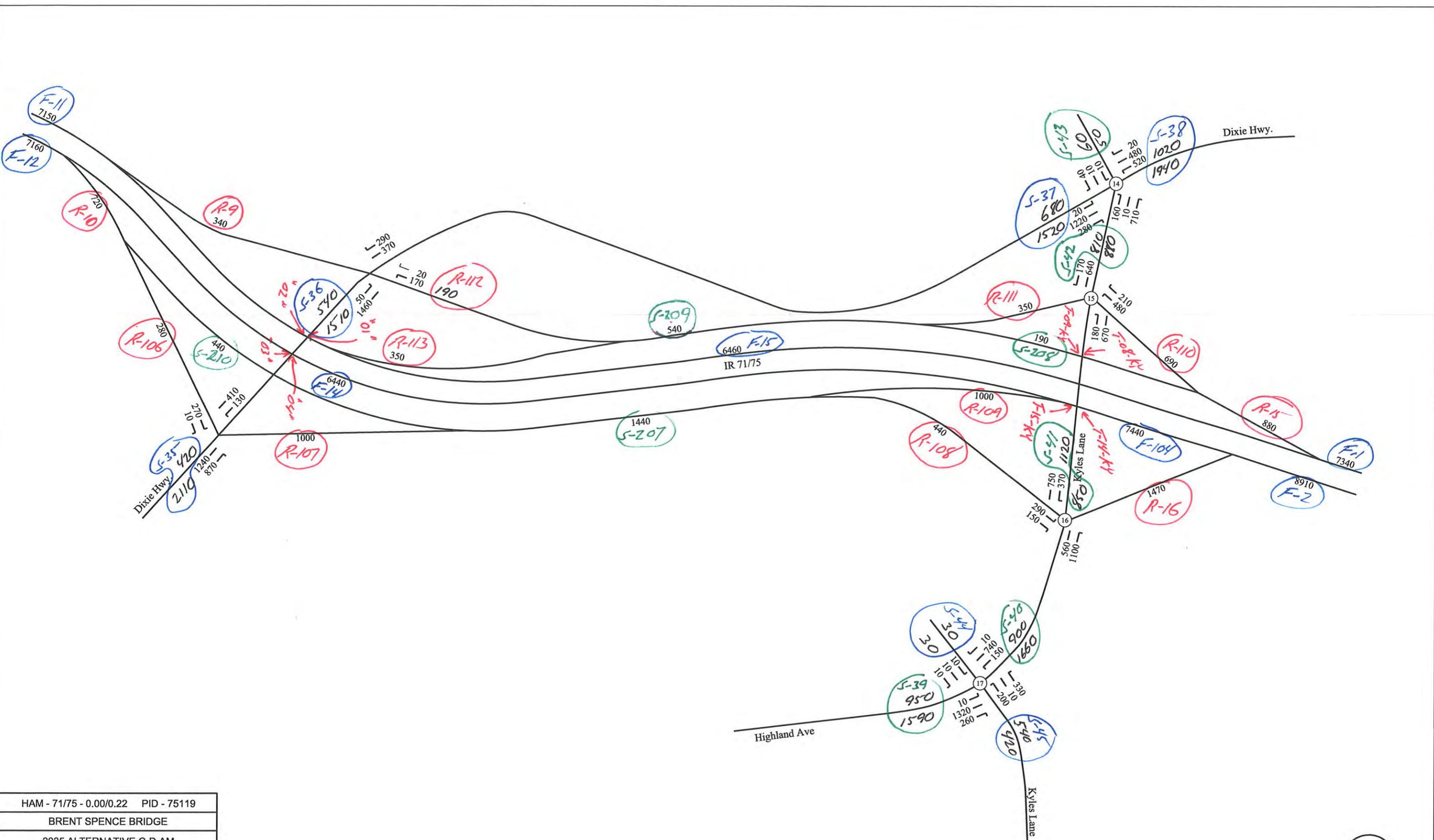
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BRENT SPENCE BRIDGE
2035 ALTERNATIVE E PM
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SEPTEMBER 10, 2008 NOT TO SCALE
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BRENT SPENCE BRIDGE

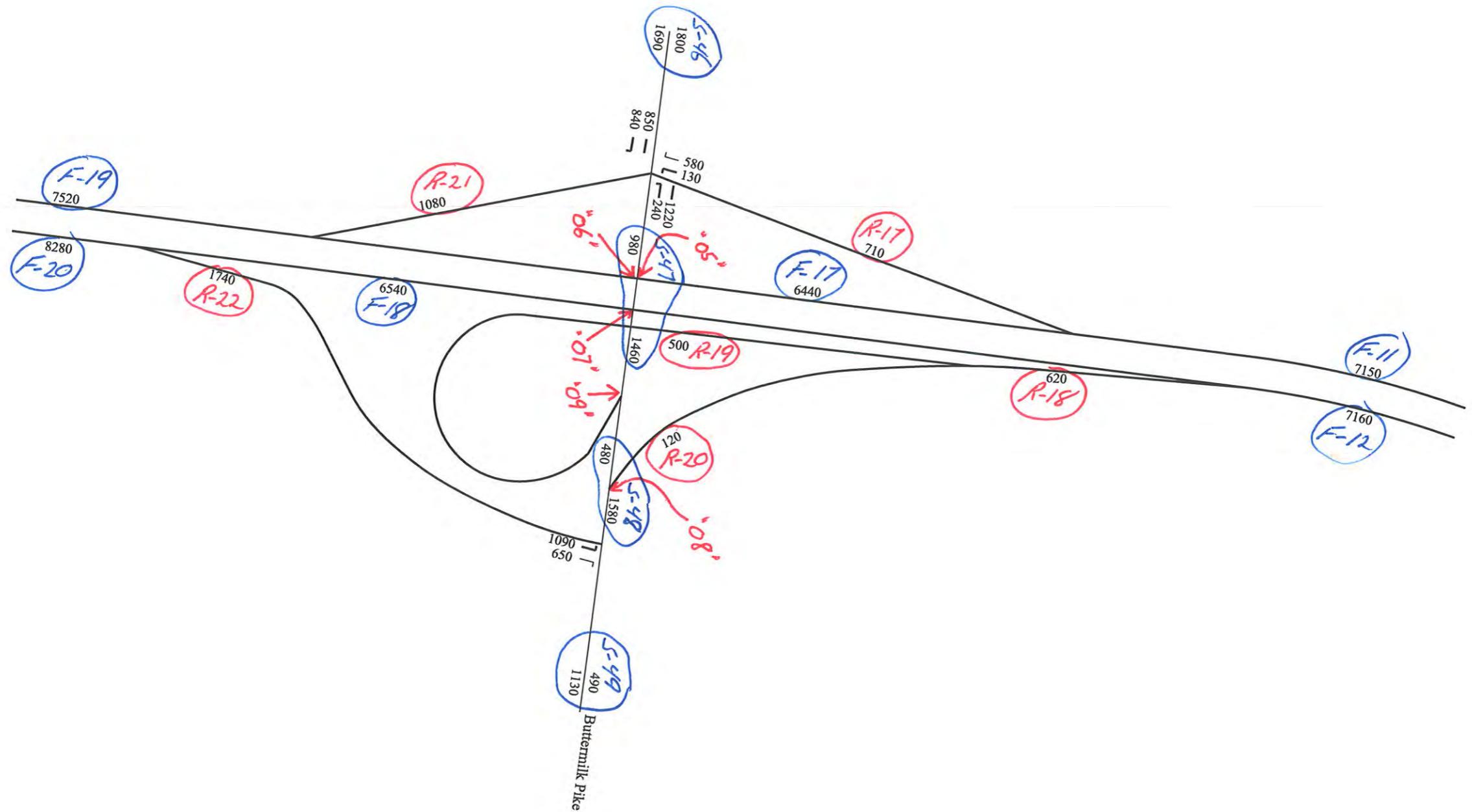
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BRENT SPENCE BRIDGE

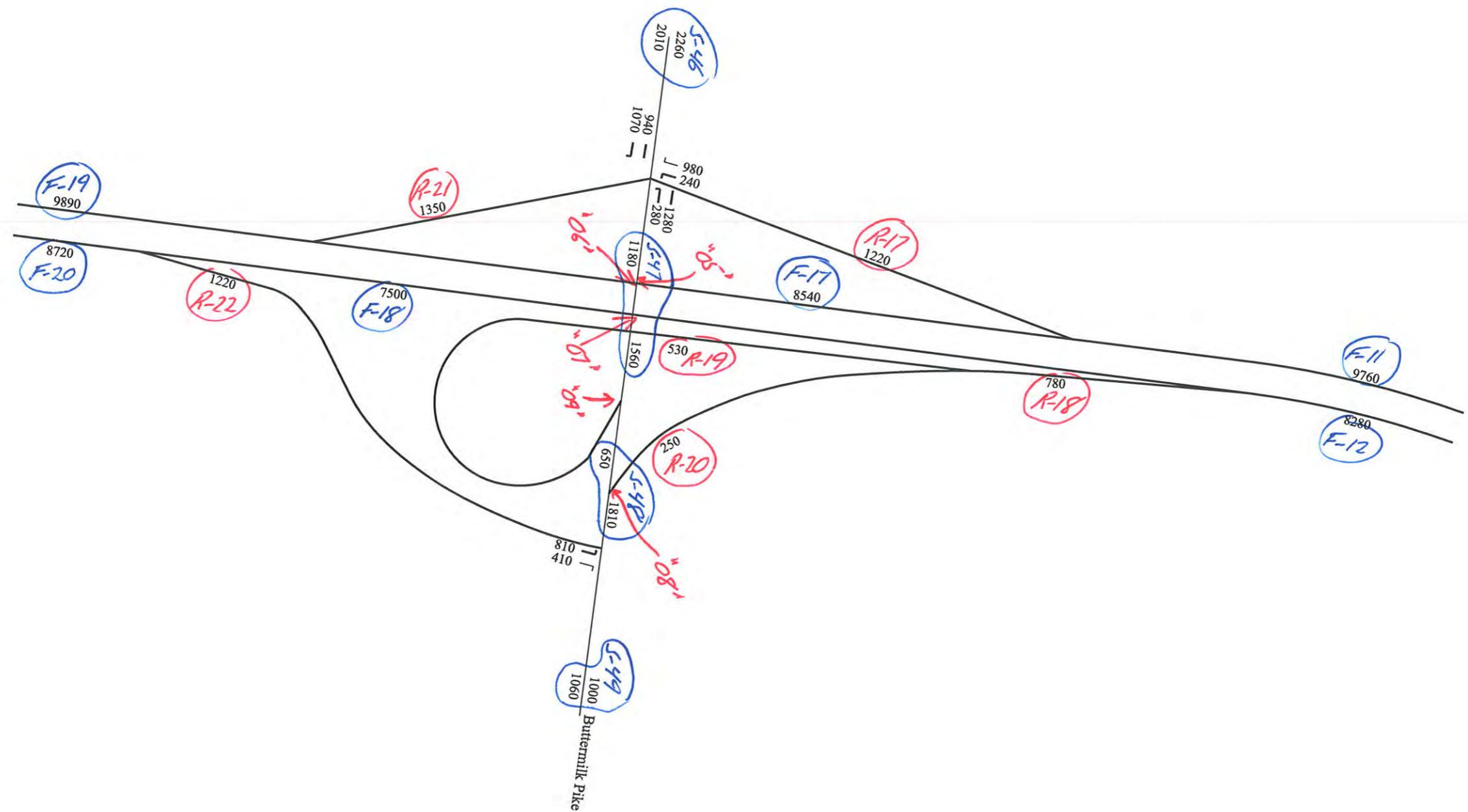
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KENTUCKY PLATE 6 OF 9

APRIL 16, 2010 NOT TO SCALE

BURGESS & NIPLE





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BRENT SPENCE BRIDGE

2035 ALTERNATIVE C-D PM

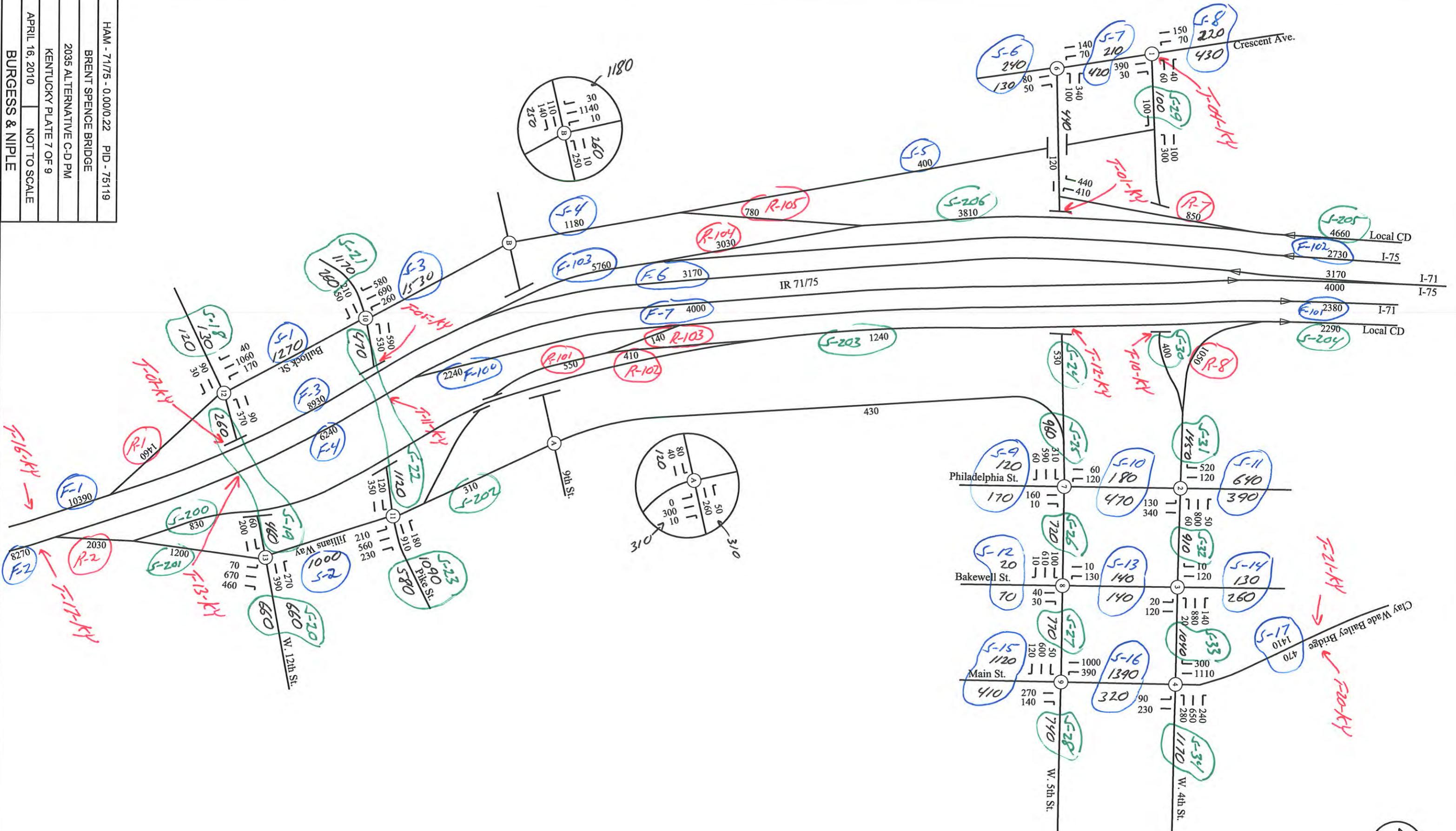
KENTUCKY PLATE 9 OF 9

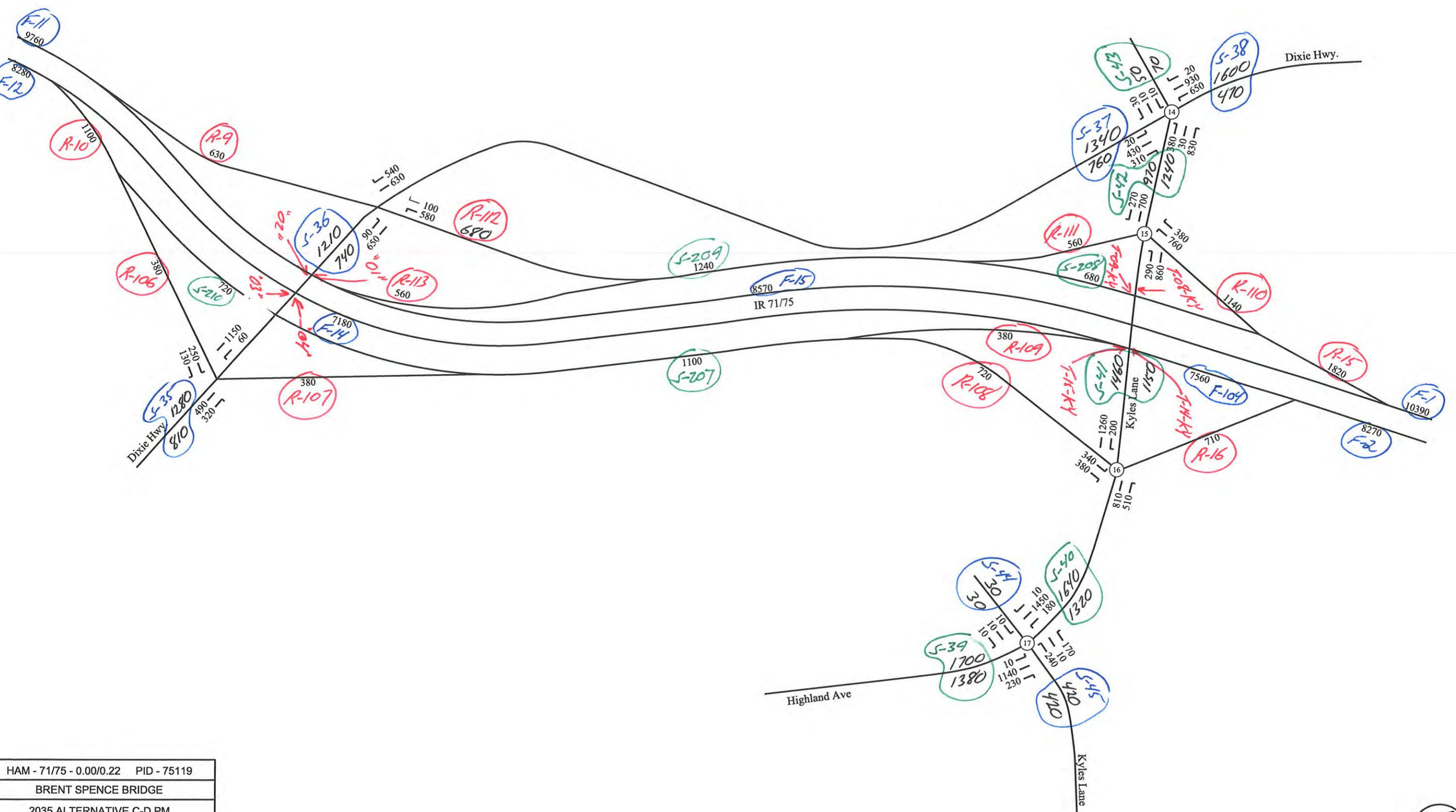
APRIL 16, 2010 NOT TO SCALE

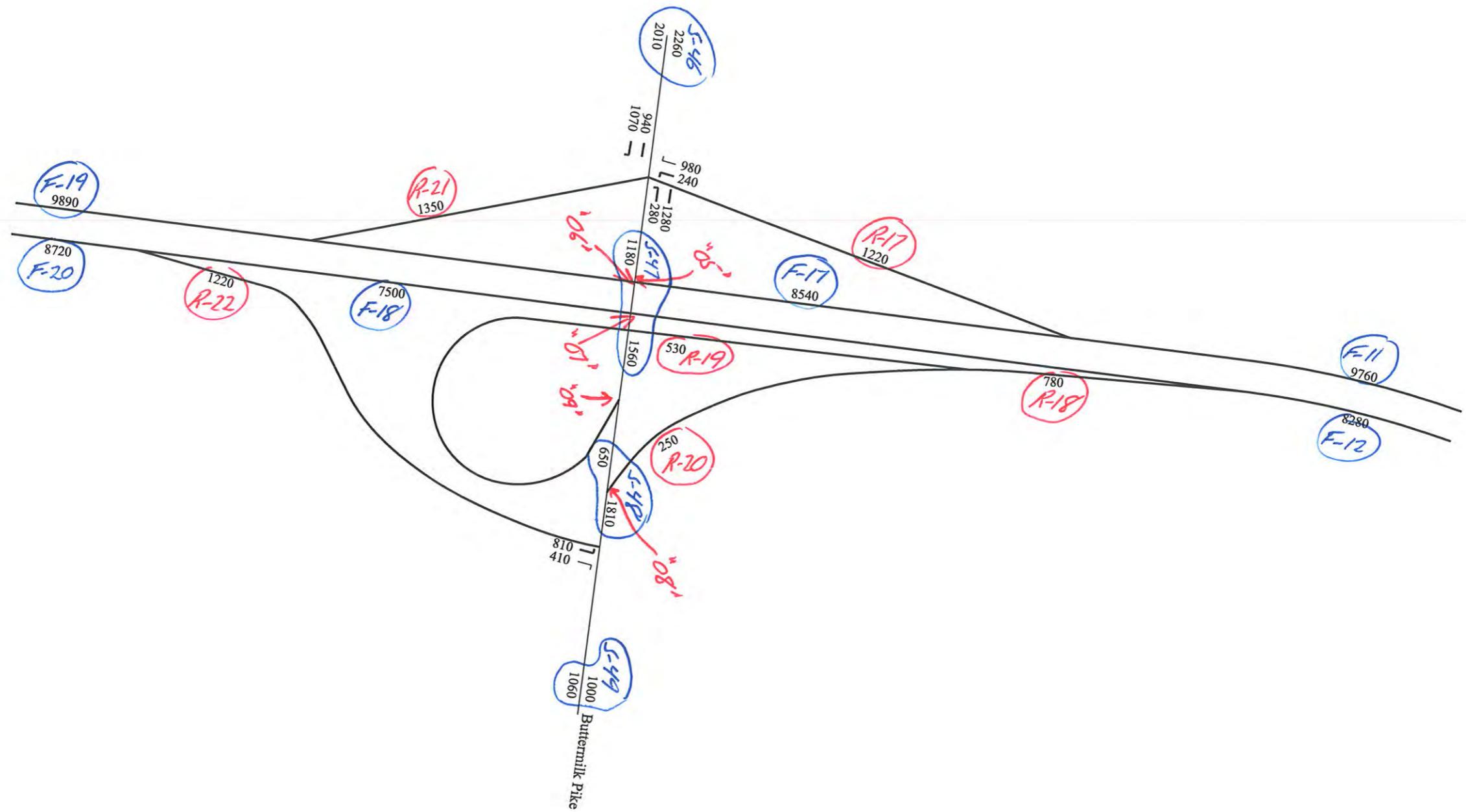
BURGESS & NIPLE



HAM - 7175 - 0.00/0.22 PID - 75119
BRENT SPENCE BRIDGE
2035 ALTERNATIVE C-D PM
KENTUCKY PLATE 7 OF 9
APRIL 16, 2010 NOT TO SCALE
BURGESS & NIPPLE







HAM - 71/75 - 0.00/0.22 PID - 75119

BRENT SPENCE BRIDGE

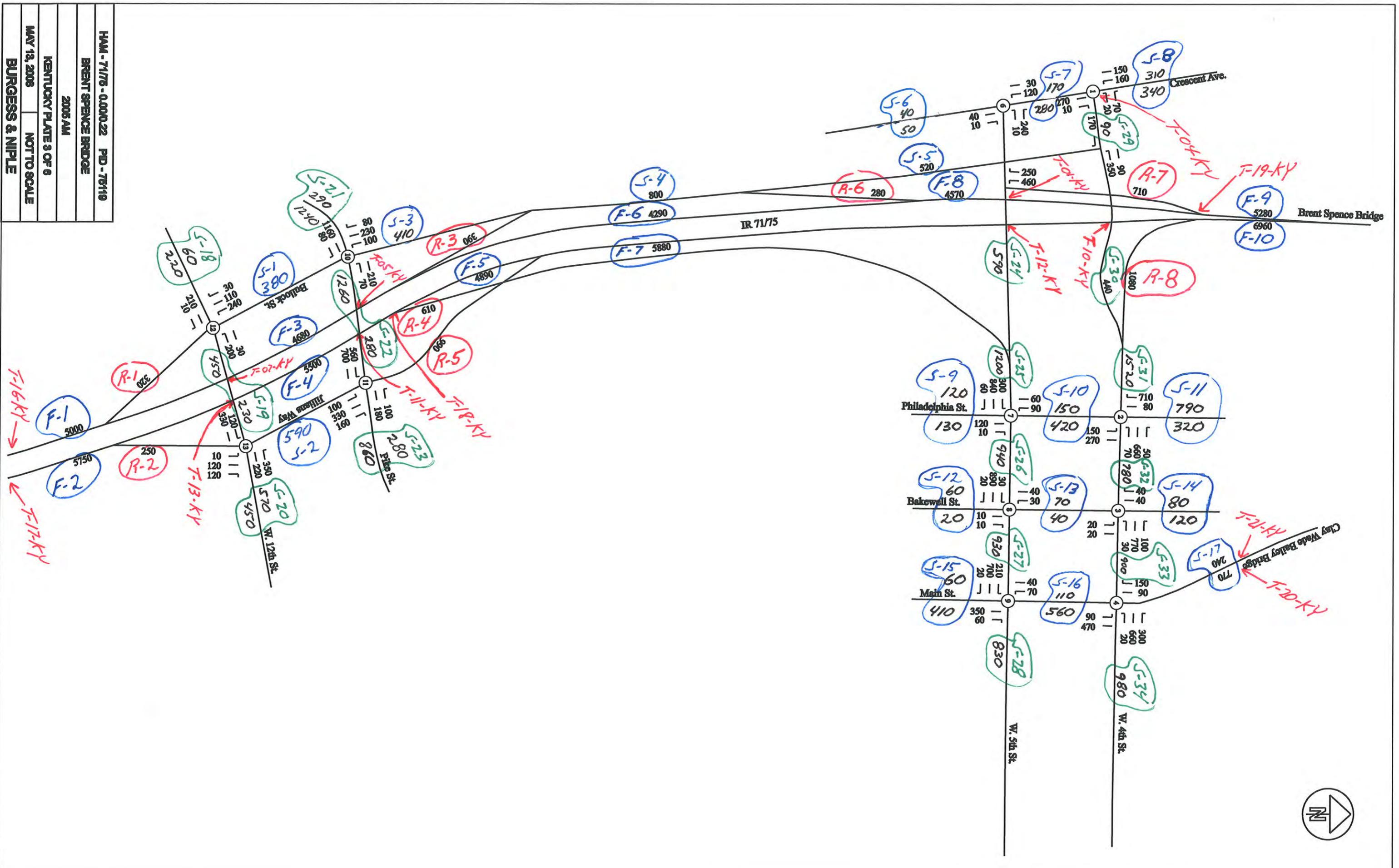
2035 ALTERNATIVE C-D PM

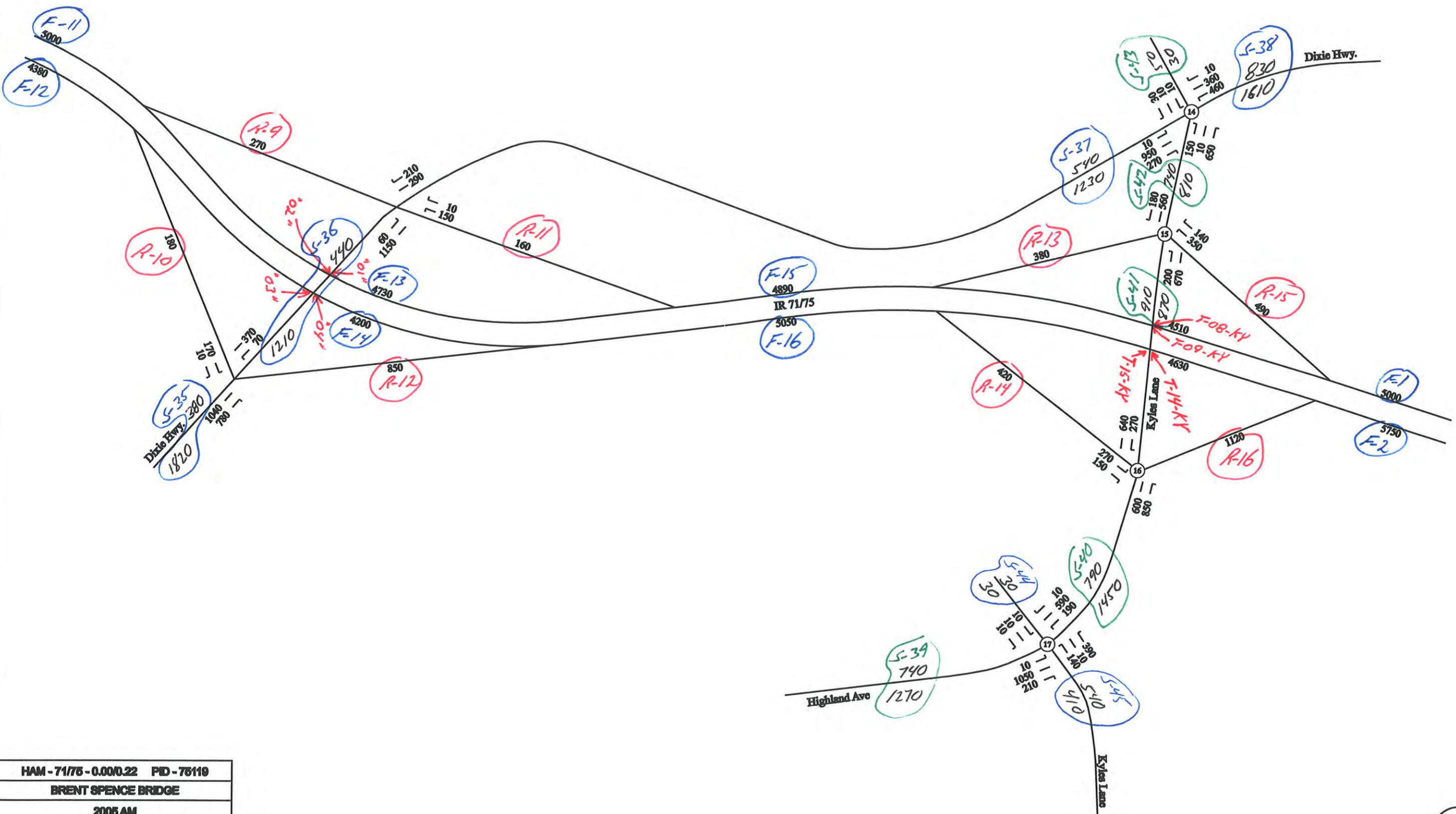
KENTUCKY PLATE 9 OF 9

APRIL 16, 2010 NOT TO SCALE

BURGESS & NIPLE







HAM - 71/76 - 0.00/0.22 PID - 76119

BRENT SPENCE BRIDGE

2005 AM

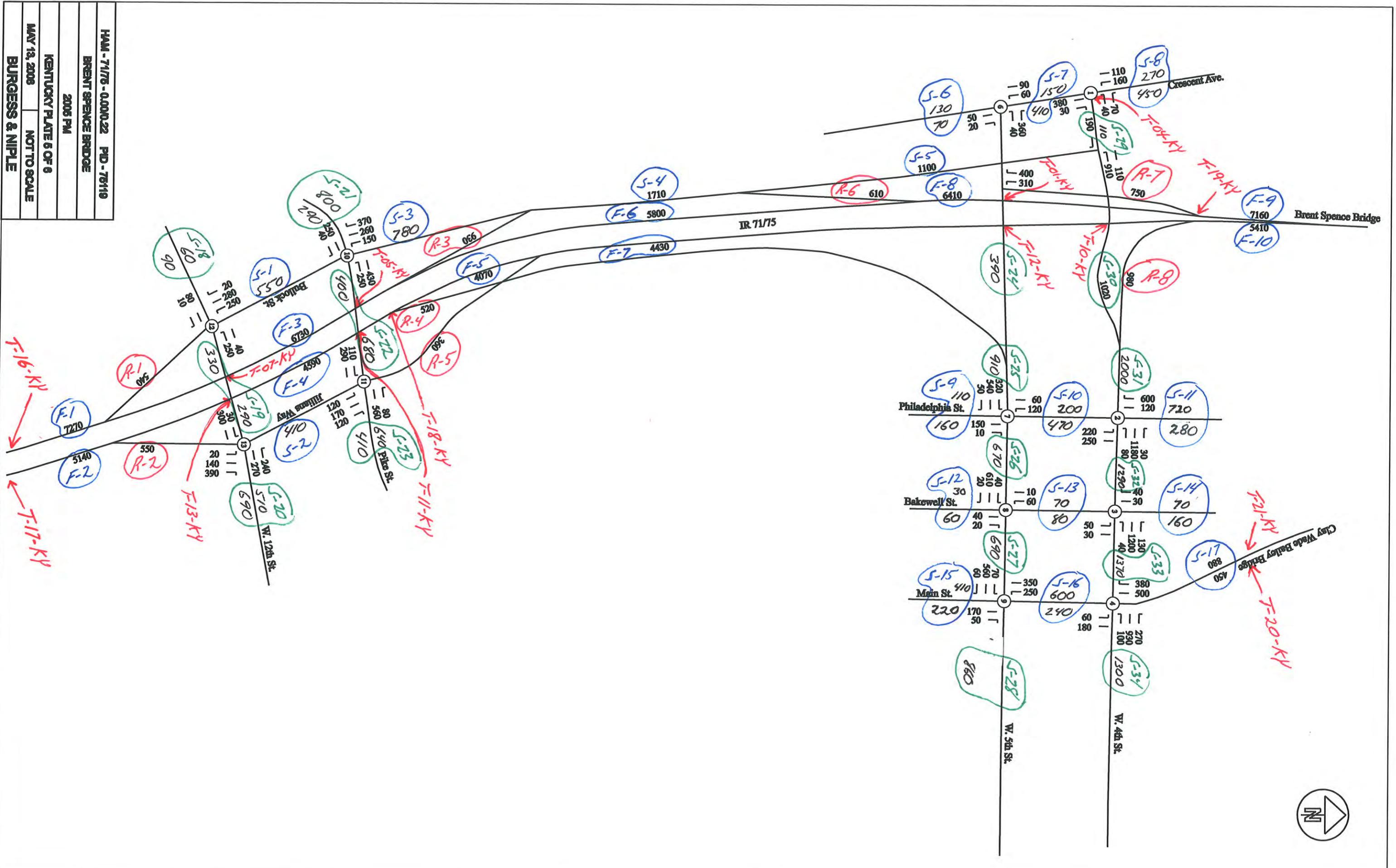
KENTUCKY PLATE 4 OF 6

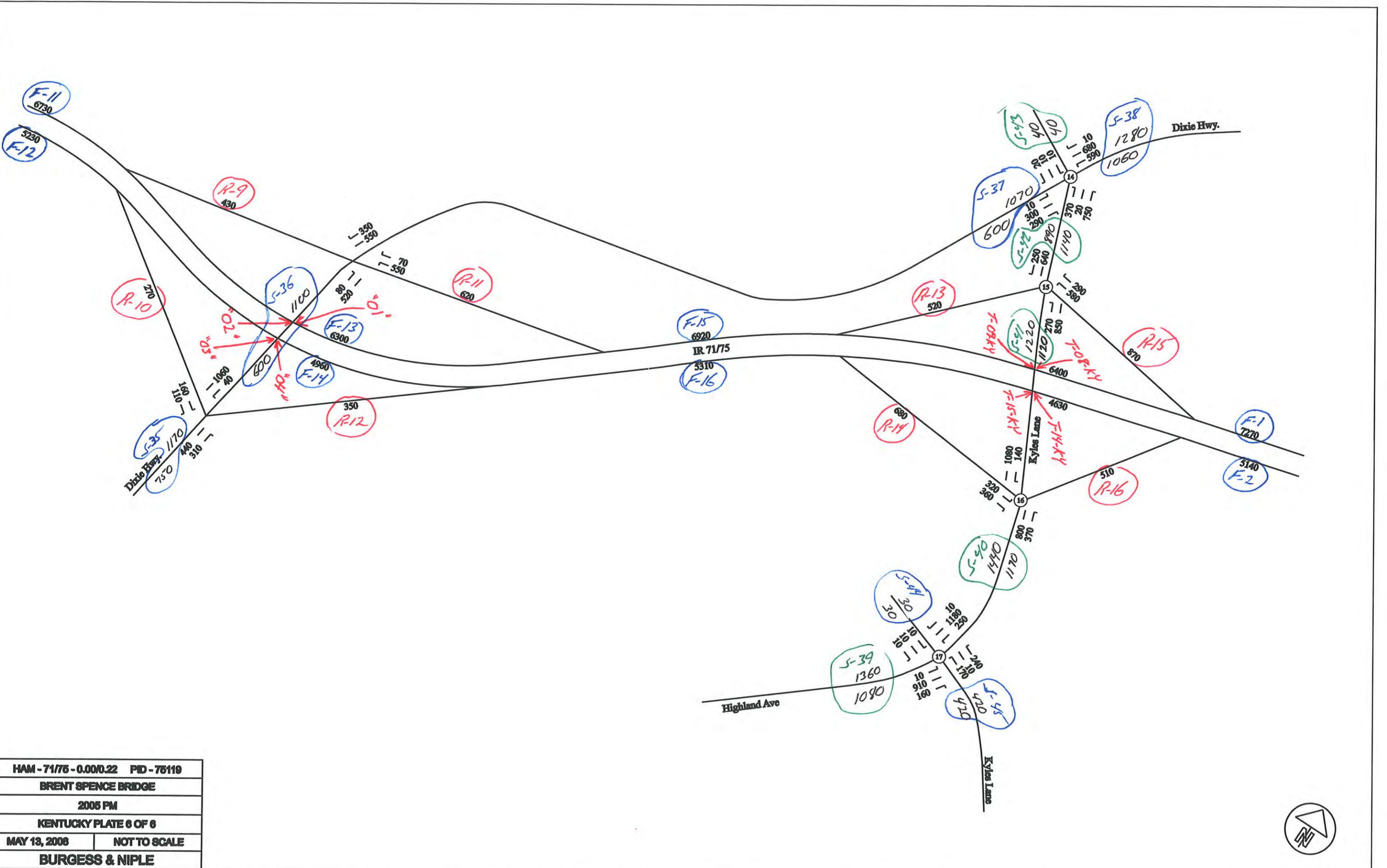
MAY 13, 2006

NOT TO SCALE

BURGESS & NIPLE







HAN - 71775 - 0.000.022 PID - 78119

HAN - 7/1/16 - 0.00022 MID - 7/1/16

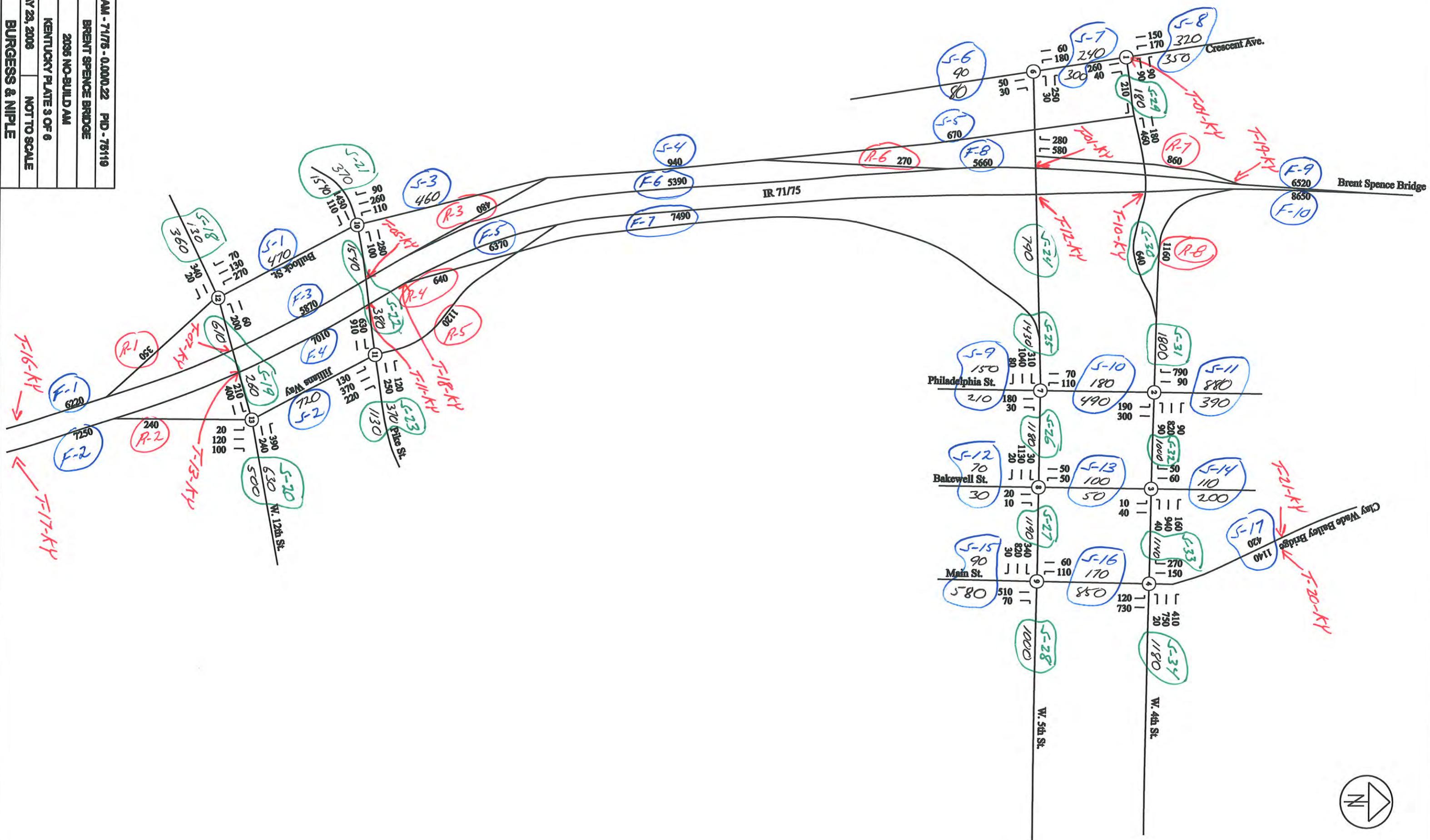
BRENT SPENCE BRIDGES

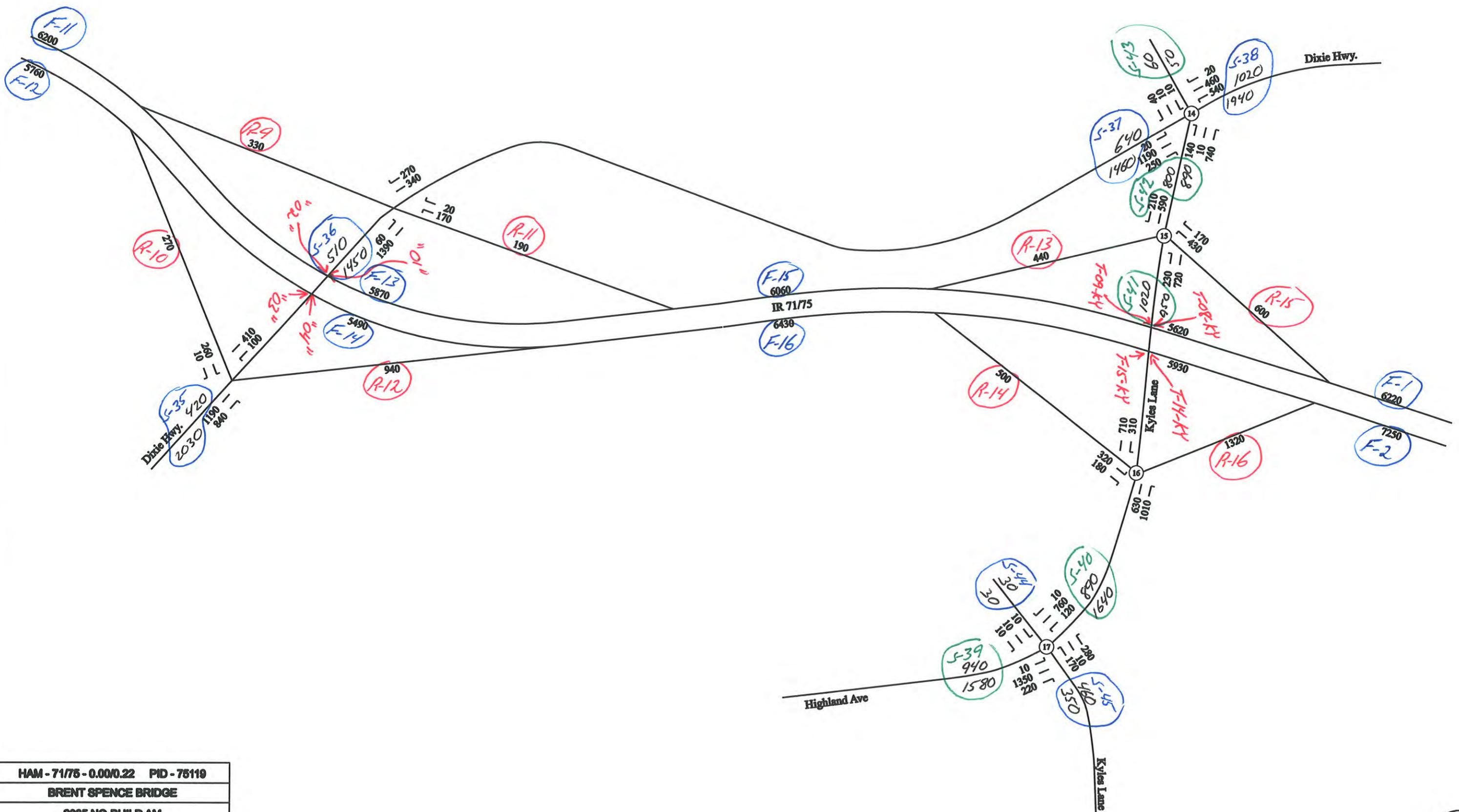
RENT SPENCE BRIDGE

BRENT SPENCE BRIDGE

2035 NO-BUILD AM

BURGESS & NIPIE





HAM - 71/75 - 0.00/0.22 PID - 75119

BRENT SPENCE BRIDGE

2035 NO-BUILD AM

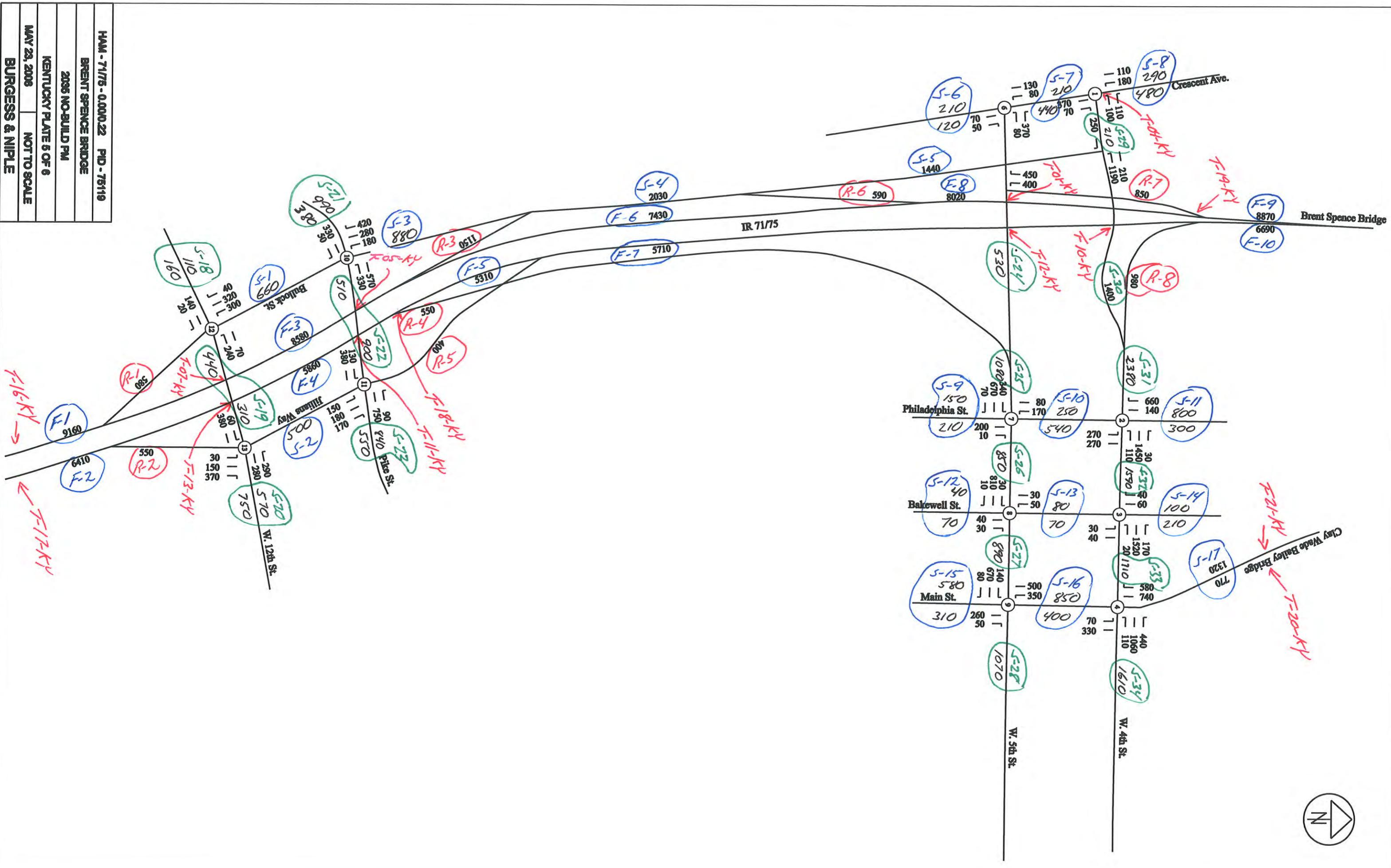
KENTUCKY PLATE 4 OF 6

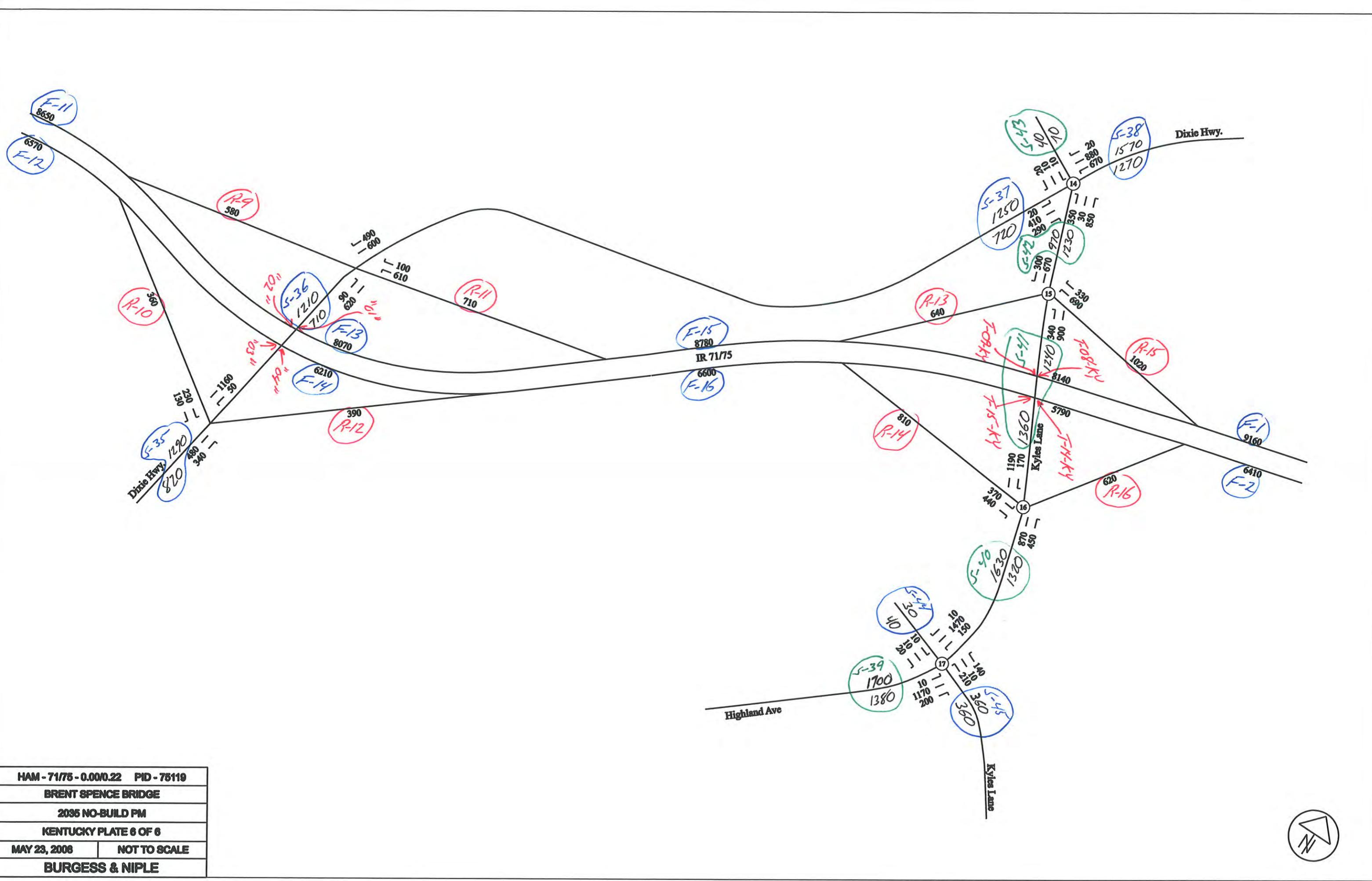
MAY 23, 2008

BURGESS & NIPLE

Digitized by srujanika@gmail.com







Brinckerhoff Computation Sheet

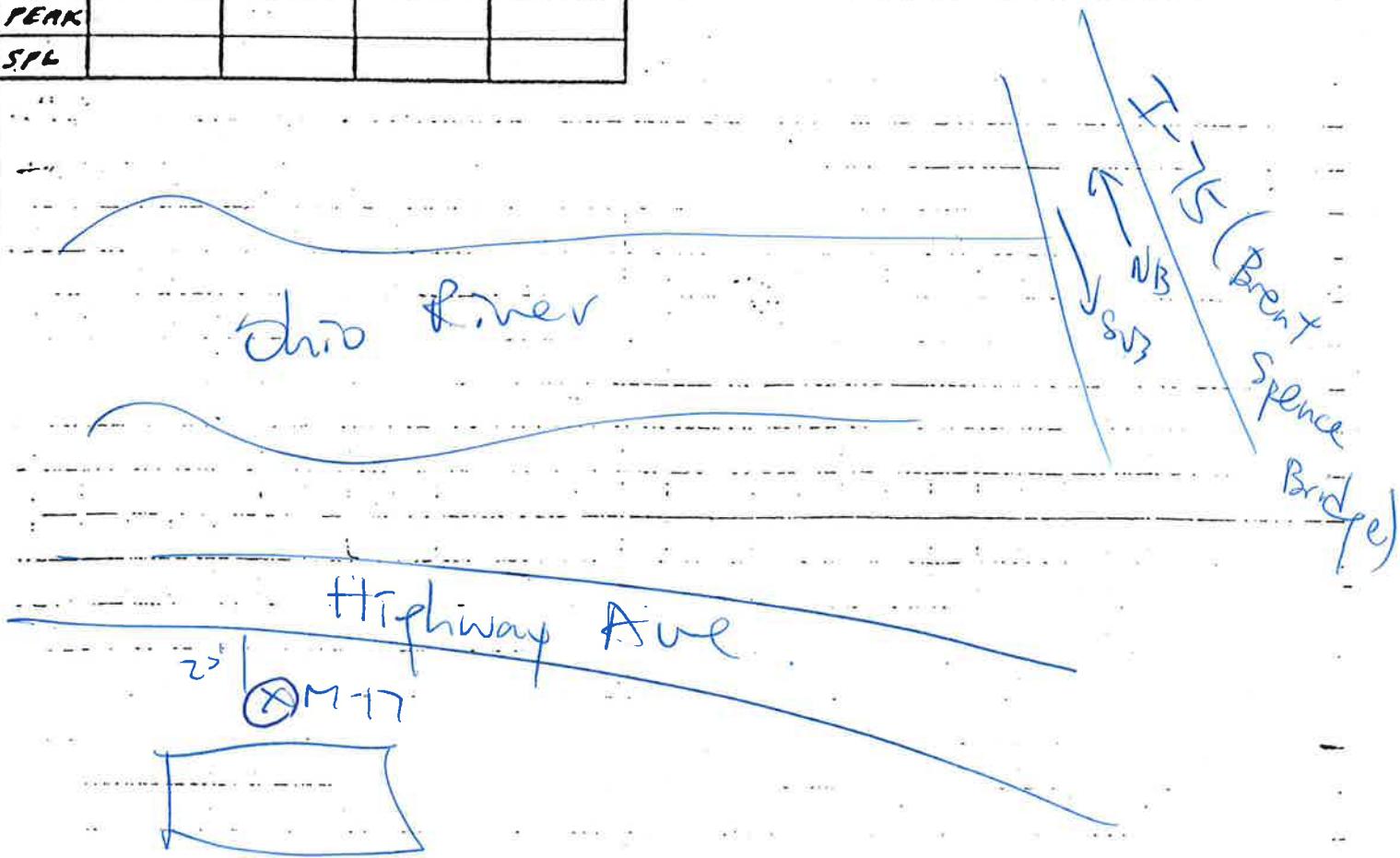
Subject Nurse Monitoring - M-17
Receptor 881 Highway Ave.

Made by R Yer
Date 1/28/16
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 1/28 | 1/28 |
| Time → | 7:30 am | 4:20 pm |
| L6Q | 63.6 | 63.6 |
| SEL | 93 | 92 |
| L99 | 58 | 50 |
| L90 | 59 | 64 |
| L50 | 62 | 60 |
| L10 | 67 | 64 |
| L1 | 70 | 70 |
| INST | | |
| MINX | 62 | 59 |
| MAXL | 78 | 74 |
| MAXR | 95 | 88 |
| PEAK | | |
| SPL | | |

TRAFFIC VOLUMES



BRUNCKERHOLM Computation Sheet

Subject Nurse Monitoring - M-18
Receptor 407 Western Ave

Made by R Yrp
Date 1/28/10,
Checked by _____
Date _____

Weather:

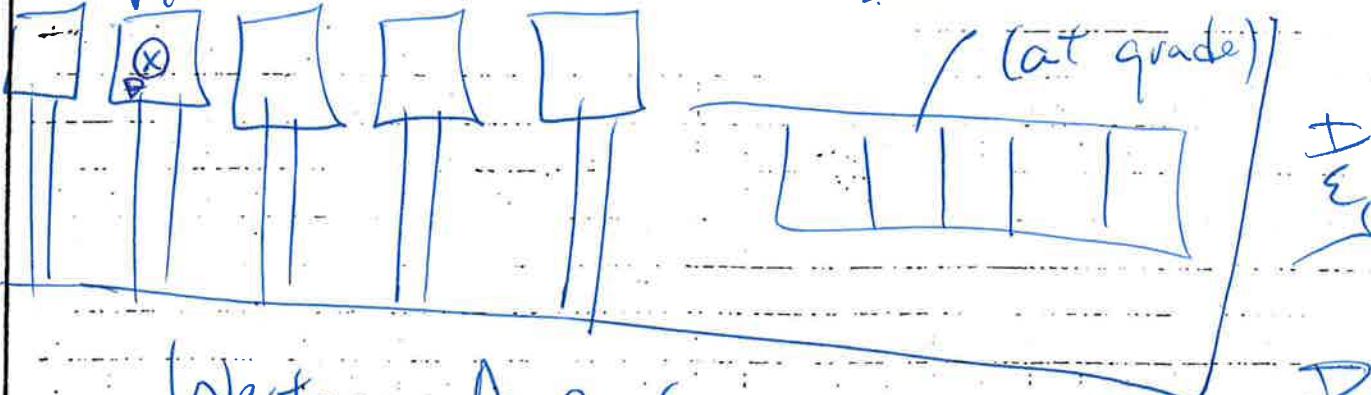
| | | |
|--------|--------|--------|
| Date → | 1/28 | (1/28) |
| Time → | 7:40am | 4:22pm |
| LEQ | 65.3 | 65.5 |
| SEL | 95 | 95 |
| L91 | 63 | 62 |
| L90 | 64 | 63 |
| L50 | 65 | 64 |
| L10 | 66 | 67 |
| L1 | 68 | 7.0 |
| INST | | |
| MIN | 63 | 61 |
| MAX | 85 | 88 |
| MARSH | 88 | 89 |
| PEAK | | |
| SPL | 93.9 | 93.9 |

TRAFFIC VACUUMS

RT-18 (Front. Deck)

2 Stv. Resident

(at grade)



Western Ave (elevation ~ 1:5)

Parking Lot / Commercial

View of Brent Spence Bridge

Brinckerhoff Computation Sheet

Subject Nurse Monitoring - M-19
Receptor : 514 Western Ave

Made by D. Yip
Date 1/28/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 1/28 | 1/28 |
| Time → | 8:06 am | 4:46 pm |
| LEQ | 67.0 | 64.5 |
| SEL | 96 | 94 |
| L99 | 63 | 62 |
| L90 | 65 | 63 |
| L50 | 67 | 64 |
| L10 | 68 | 66 |
| L1 | 70 | 69 |
| INST | | |
| MIN | 62 | 60 |
| MAXL | 75 | 78 |
| MAXS | 90 | 97 |
| PEAK | | |
| SPL | | |

TRAFFIC VACUUMS



6
M-9

1

54

BRUNCKERWORLD Computation Sheet

Subject Nurse Monitoring - M-20.

Receptor Gobal Park

Northern End of Philadelphia St.

Weather:

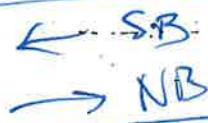
| | | |
|--------|--------|--------|
| Date → | 1/29 | 2/22 |
| Time → | 7:00am | 4:00pm |
| LEQ | 66.2 | 69.5 |
| SEL | 95* | 99 |
| L91 | 64 | 65 |
| L90 | 65 | 66 |
| L50 | 66 | 67 |
| L10 | 67 | 71 |
| L1 | 69 | 80 |
| INST | | |
| MIN | 61 | 66 |
| MAX | 70 | 85 |
| Avg | 97 | 97 |
| PEAK | | |
| SPL | | |

Made by R Young
Date 1/29
Checked by _____
Date _____

TRAFFIC VACUUMS

4:14 Bell Tower started
climbing.

工-75



BRUNCKERWALL Computation Sheet

Subject Nurse Monitoring - M-21
Receptor 641 Crescent Ave

Made by R Yip
Date 1/28/10
Checked by _____
Date _____

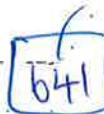
Weather:

| | | |
|--------|--------|--------|
| Date → | 1/28 | 1/28 |
| Time → | 8:10am | 4:52pm |
| LEQ | 70.8 | 68.8 |
| SEL | 100 | 98 |
| L91 | 66 | 63 |
| L90 | 68 | 64 |
| L50 | 70 | 66 |
| L10 | 72 | 70 |
| L1 | 79 | 78 |
| INST | | |
| MINN | 64 | 62 |
| MAXL | 90 | 92 |
| MAXR | 97 | 96 |
| PEAK | | |
| SPL | 93.9 | 93.9 |

TRAFFIC RECOVERY

2.8+ Residential

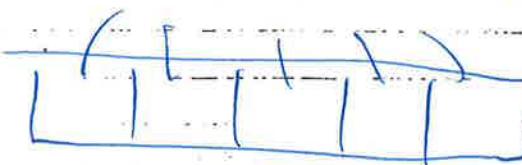
2 str.



10

-X

M-21



1

1

七

-x -x

Ground zone

(1:2 slope)

$$I - \overline{IS} \quad \begin{matrix} \leftarrow \\ \rightarrow \end{matrix}$$

Computation Sheet

Subject Nurse Monitoring - M-22
Receptor 818 Crescent Ave

Made by R. Tapp
Date 1/28/10
Checked by _____
Date _____

Weather:

| | | |
|--------|--------|--------|
| Date → | 1/28 | 1/28 |
| Time → | 8:35am | 5:15pm |
| LEQ | 73.5 | 69.6 |
| SEL | 103 | 99 |
| L99 | 68 | 66 |
| L90 | 71 | 68 |
| L50 | 73 | 69 |
| L10 | 75 | 71 |
| L1 | 77 | 74 |
| INST | | |
| MIN | 66 | 67 |
| MAXL | 81 | 84 |
| MAXR | 94 | 111 |
| PEAK | | |
| SPL | | |

~~TRAFFIC RECORDS~~

receptor 20' above
road.

$$\overline{I} = 75$$

E.N.B

→ S₂

Tree 20m

1

1

2

10

17-22

3

81b

88

$$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$$

822

Brinckerhoff Computation Sheet

Subject Noise Monitoring - M-23

Receptor Gretna Park (Southern End)
W. 4th St & Philadelphia St.

Weather:

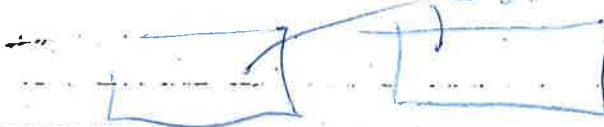
| | | |
|---------|--------|------|
| Date → | 1/28 | 1/28 |
| Tower → | 84 Haw | 517m |
| LEQ | 67.0 | 65.6 |
| SEL | 96 | 95 |
| L99 | 64 | 62 |
| L90 | 65 | 63 |
| L50 | 67 | 65 |
| L10 | 68 | 66 |
| L1 | 71 | 69 |
| INST | | |
| MINX | 62 | 61 |
| MAXL | 84 | 87 |
| MAXR | 91 | 97 |
| PEAK | | |
| SPL | 93.9 | 93.9 |

Made by _____
Date 1/28
Checked by _____
Date _____

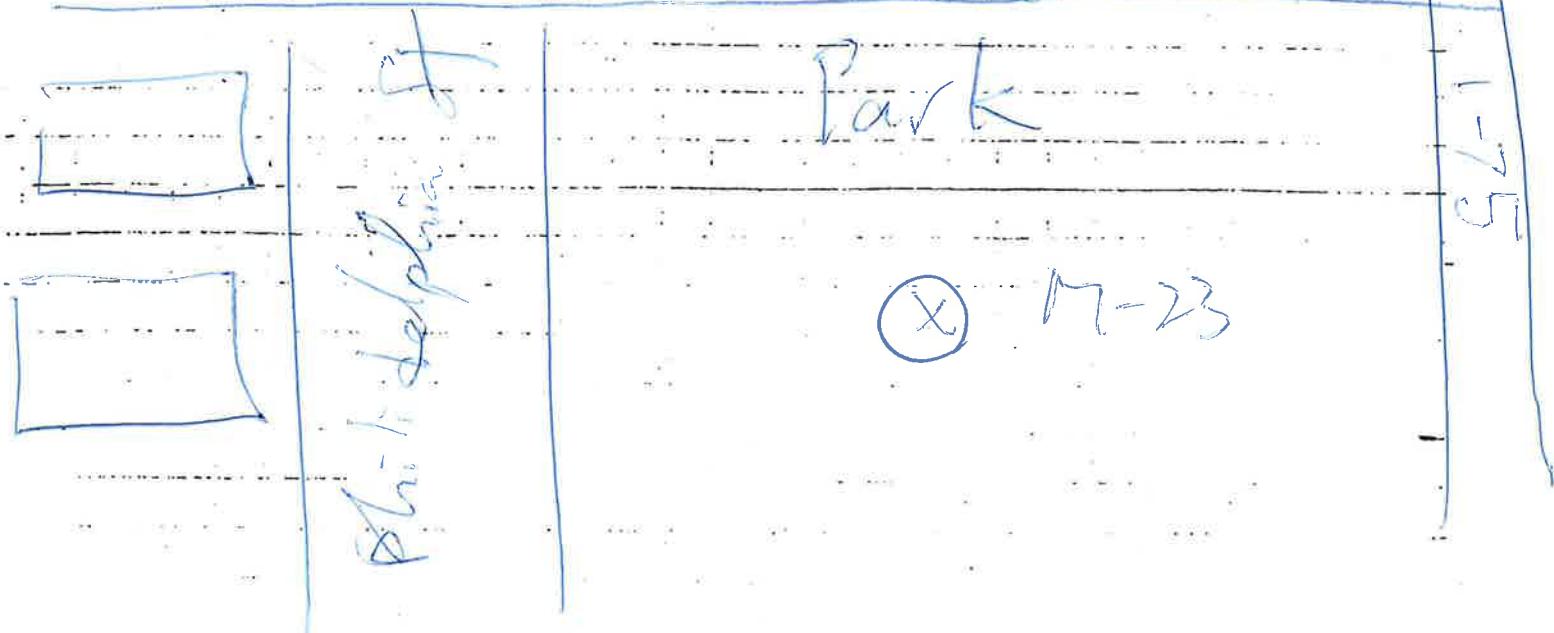
TRAFFIC INCIDENTS

| ROADWAY | AUTO | LT | HT | RUS |
|--------------------|------|----|-----|-----|
| I-75 (AM) 8 min | 1048 | 15 | 122 | 3 |
| 15 min | 1965 | 28 | 229 | 6 |
| PM | 1343 | 8 | 98 | 1 |
| 15 min | 2518 | 15 | 184 | 2 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

2. 8th Residential



W. 9th St



Brinckerhoff Computation Sheet

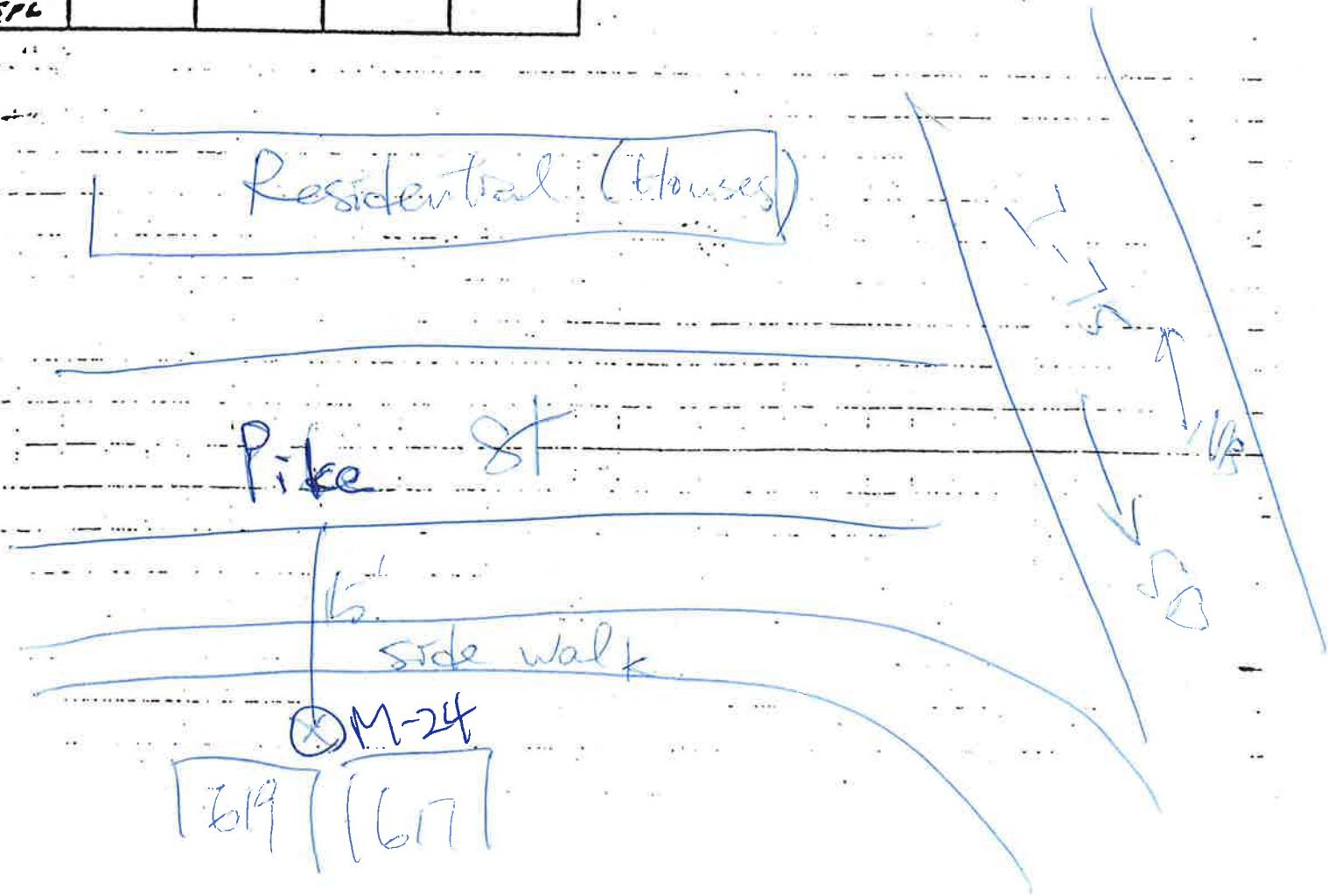
Subject Nurse Monitoring - M-24
Receptor 619 Pike st.

Made by R. Yamp
Date 1/29/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 1/29 | 2/22 |
| Time → | 7:46 am | 4:58 pm |
| LEQ | 71.7 | 71.2 |
| SEL | 101 | 101 |
| L99 | 65 | 67 |
| L90 | 69 | 69 |
| L50 | 67 | 71 |
| L10 | 74 | 75 |
| L1 | 76 | 75 |
| INST | | |
| MINN | 62 | 66 |
| MAXL | 80 | 81 |
| MAXR | 98 | 96 |
| PEAK | | |
| SPL | | |

TRAFFIC REGULATIONS



Computation Sheet

Subject Nurse Monitoring - M-25
Receptor : 605 W-11 St.

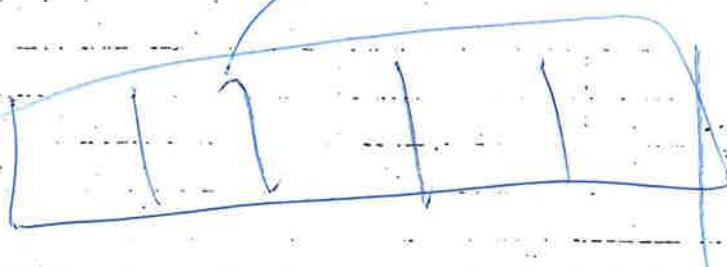
Made by R. King
Date 1/29/15
Checked by _____
Date _____

Wegther:

| | | |
|--------|---------|---------|
| Date → | 1/29 | 2/22 |
| Temp → | 71.1 Hm | 71.5 Gm |
| LEQ | 70.9 | 70.7 |
| SEL | 96 | 100 |
| L99 | 68 | 68 |
| L90 | 71 | 69 |
| L50 | 73 | 71 |
| L10 | 74 | 73 |
| L1 | 75 | 75 |
| INST | | |
| MIN | 65 | 67 |
| MAXL | 76 | 75 |
| MAXH | 97 | 98 |
| PEAK | | |
| SPL | 93.7 | 93.9 |

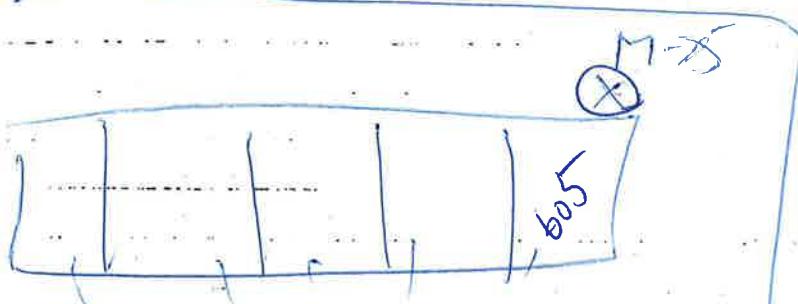
TRAFFIC VACUUMS

2 Str - House S-



On the head

W. 11th St



3 str multi family

Бюджетный Computation Sheet

Subject Nurse Monitoring - M-26
Receptor 522 W 12th St

Made by R. Yang
Date 1/29/10
Checked by _____
Date _____

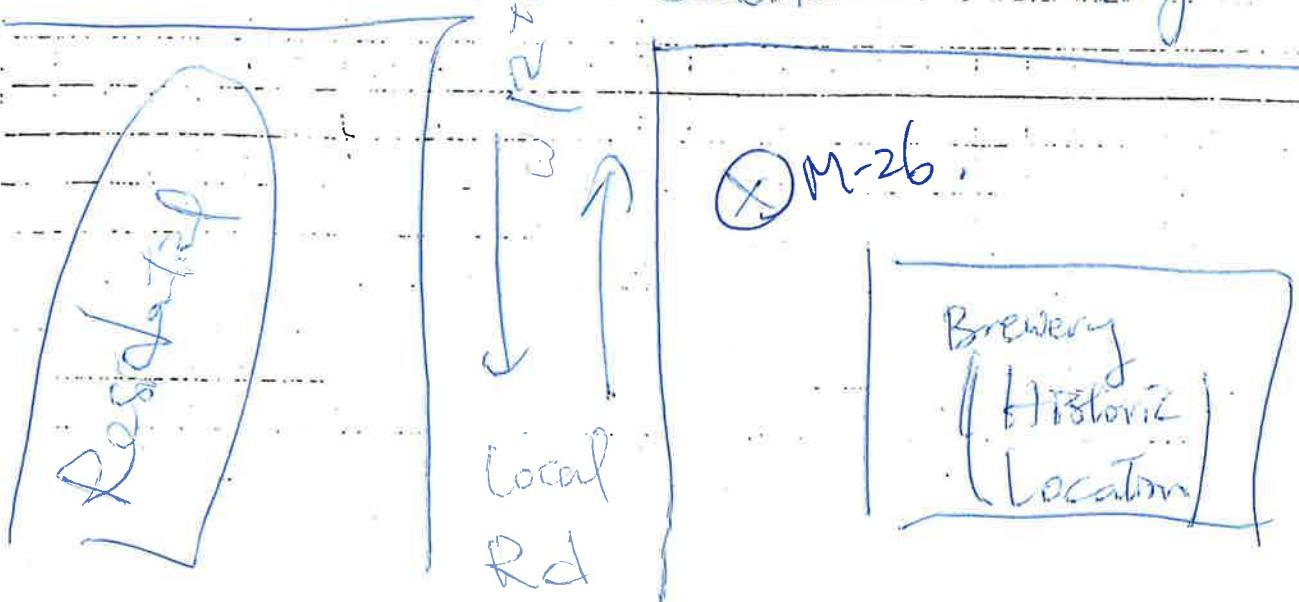
Weather:

| | | |
|--------|---------|---------|
| Date → | 1/29 | 2/22 |
| Time → | 7:52 AM | 4:26 PM |
| LEQ | 71.3 | 71.5 |
| SEL | 101 | 101 |
| L91 | 57 | 64 |
| L90 | 62 | 66 |
| L50 | 70 | 70 |
| L10 | 75 | 74 |
| L1 | 77 | 79 |
| INST | | |
| MING | 55 | 63 |
| MAXL | 79 | 84 |
| MAXP | 98 | 100 |
| PEAK | | |
| SPL | 93.7 | 93.9 |

TRAFFIC RECORDS

- 1 - 75

to Julian Wang



Brinckerhoff Computation Sheet

Subject Nurse Monitoring - M27

Receptor KY-6 536 West 13th street

Weather:

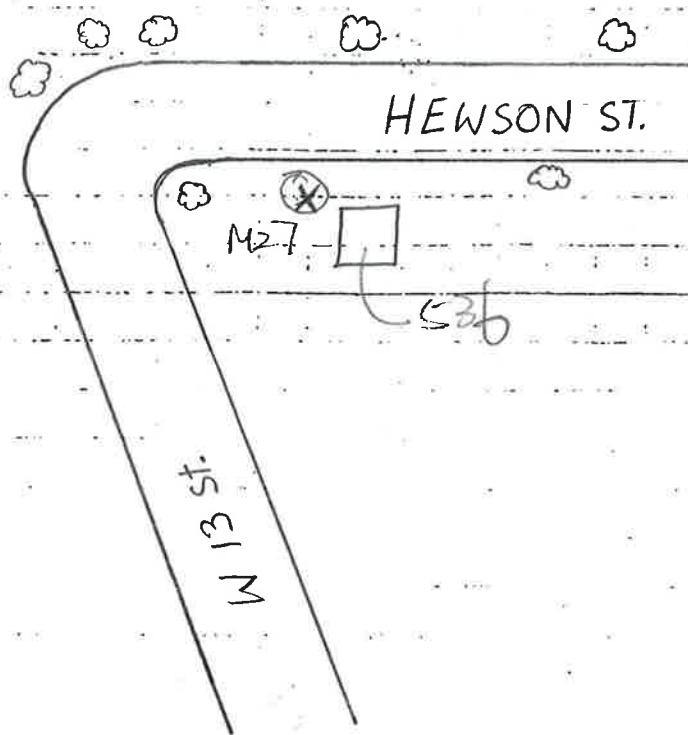
| | | |
|--------|---------|---------|
| Date → | 1/28 | 2/22 |
| Time → | 8:18 am | 4:52 pm |
| LEQ | 70.9 | 74.1 |
| SEL | 97 | 106 |
| L91 | 67 | 71 |
| L90 | 69 | 72 |
| L50 | 71 | 74 |
| L10 | 72 | 76 |
| L1 | 74 | 77 |
| INST | | |
| MIN | 65 | 72 |
| MAXL | 85 | 90 |
| MAXR | 92 | 98 |
| PEAK | | |
| SPL | 93.7 | 93.9 |

Made by M. Coffin
Date 1/28
Checked by _____
Date _____

TRAFFIC VACUUMS

PM Measurement has heavier
Truck Traffic

I-71 / 75



Brinckerhoff Computation Sheet

Subject Nurse Monitoring - M-28
Receptor KY-3 1304 Hinde street

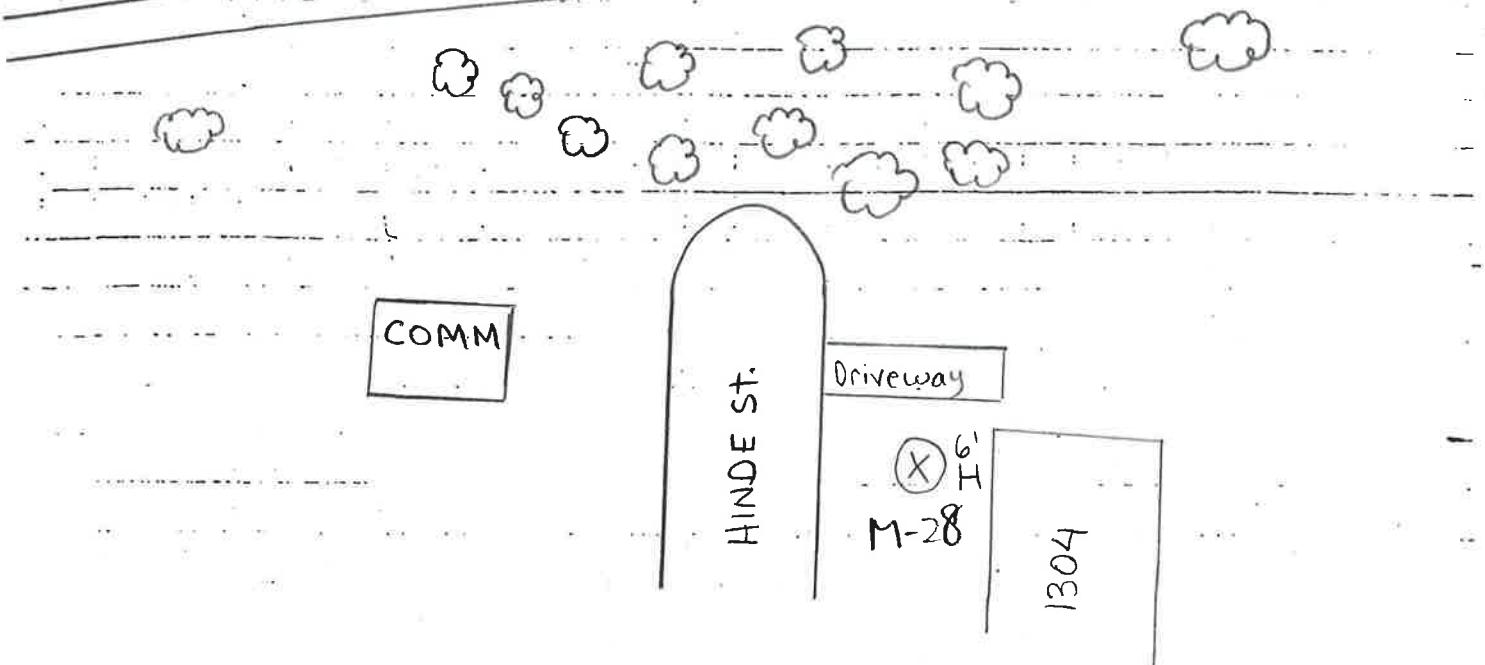
Made by M. Coffin
Date 11.9
Checked by _____
Date _____

Weather:

| | | |
|--------|--------|--------|
| Date → | 1/29 | 2/22 |
| Time → | 8:05am | 4:25pm |
| LEQ | 71.7 | 69.5 |
| SEL | 99.6 | 98.9 |
| L99 | 65.4 | 65.9 |
| L90 | 68.4 | 67.4 |
| L50 | 71.4 | 69.4 |
| L10 | 73.9 | 71.4 |
| L1 | 76.4 | 72.9 |
| INST | | |
| MIN | 62.4 | 65 |
| MAXL | 79.5 | 74.7 |
| MAXR | 97.9 | 88.9 |
| PEAK | | |
| SPL | 67.9 | 20.7 |

TRAFFIC RECORDS

← I-71/75



~~Dimensional~~ Computation Sheet

Subject Noise Monitoring - M-29

Receptor KY-34 625 Edgecliff Road

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/25 | 2/25 |
| Time → | 9:00 am | 5:12 pm |
| LEQ | 61.1 | 64.5 |
| SEL | 97 | 99 |
| L91 | 57 | 61 |
| L90 | 59 | 62 |
| L50 | 61 | 64 |
| L10 | 63 | 66 |
| L1 | 65 | 69 |
| INST | | |
| MIN | 64 | 66 |
| MAXL | 74 | 75 |
| MAXP | 89 | 99 |
| PEAK | | |
| SPL | 94 | 94 |

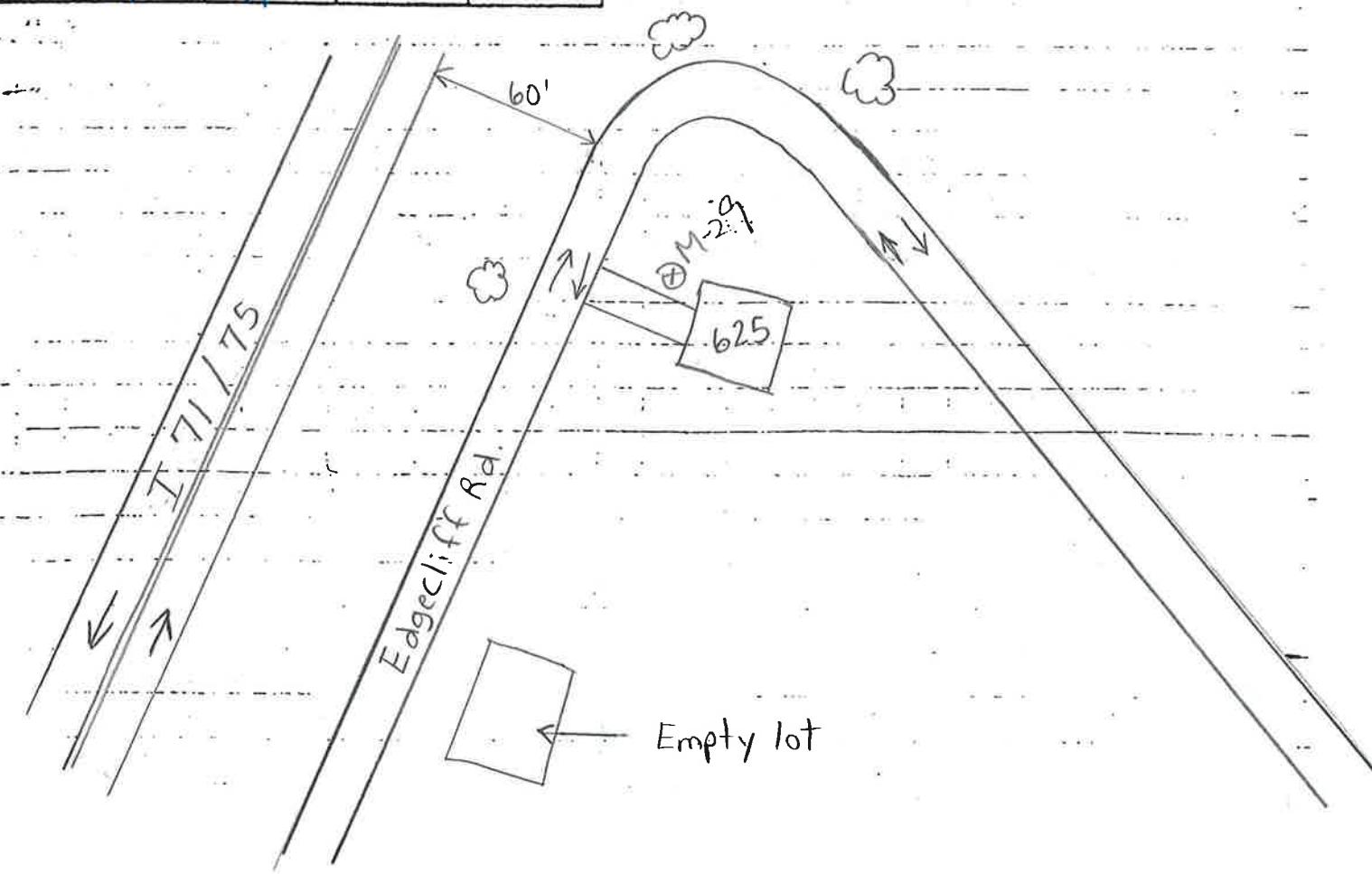
Made by M. Coffin

Date 7/25/10

Checked by

Date

TRAFFIC VOLUMES



Бланк виконання Computation Sheet

Subject Nurse Monitoring - M-30

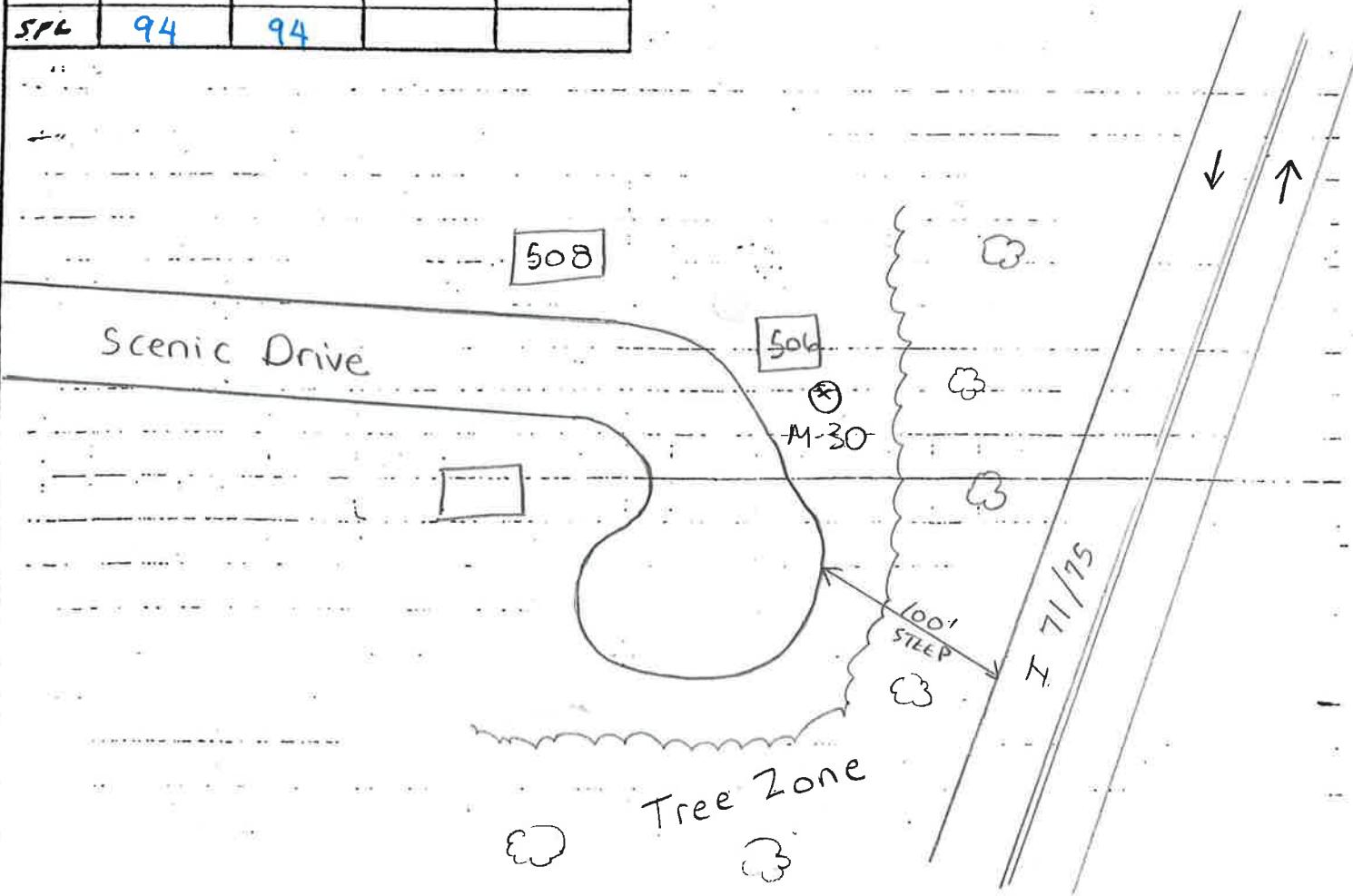
Receptor KY-12 506 Scenic Dr

Made by M. Coffey
Date 2/26/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/26 | 2/25 |
| Time → | 8:21 am | 5:31 pm |
| LEQ | 65.1 | 68.1 |
| SEL | 87 | 90 |
| L91 | 63 | 64 |
| L90 | 64 | 65 |
| L50 | 65 | 66 |
| L10 | 67 | 68 |
| L1 | 69 | 70 |
| INST | | |
| MIN | 54 | 55 |
| MAXL | 62 | 85 |
| MAXS | 83 | 81 |
| PEAK | | |
| SPL | 94 | 94 |

TRAFFIC RECORDS



Brinckerhoff Computation Sheet

Subject Noise Monitoring -

Receptor M 31

Cedar Ridge Dr

1132 Cedar Ridge Apt

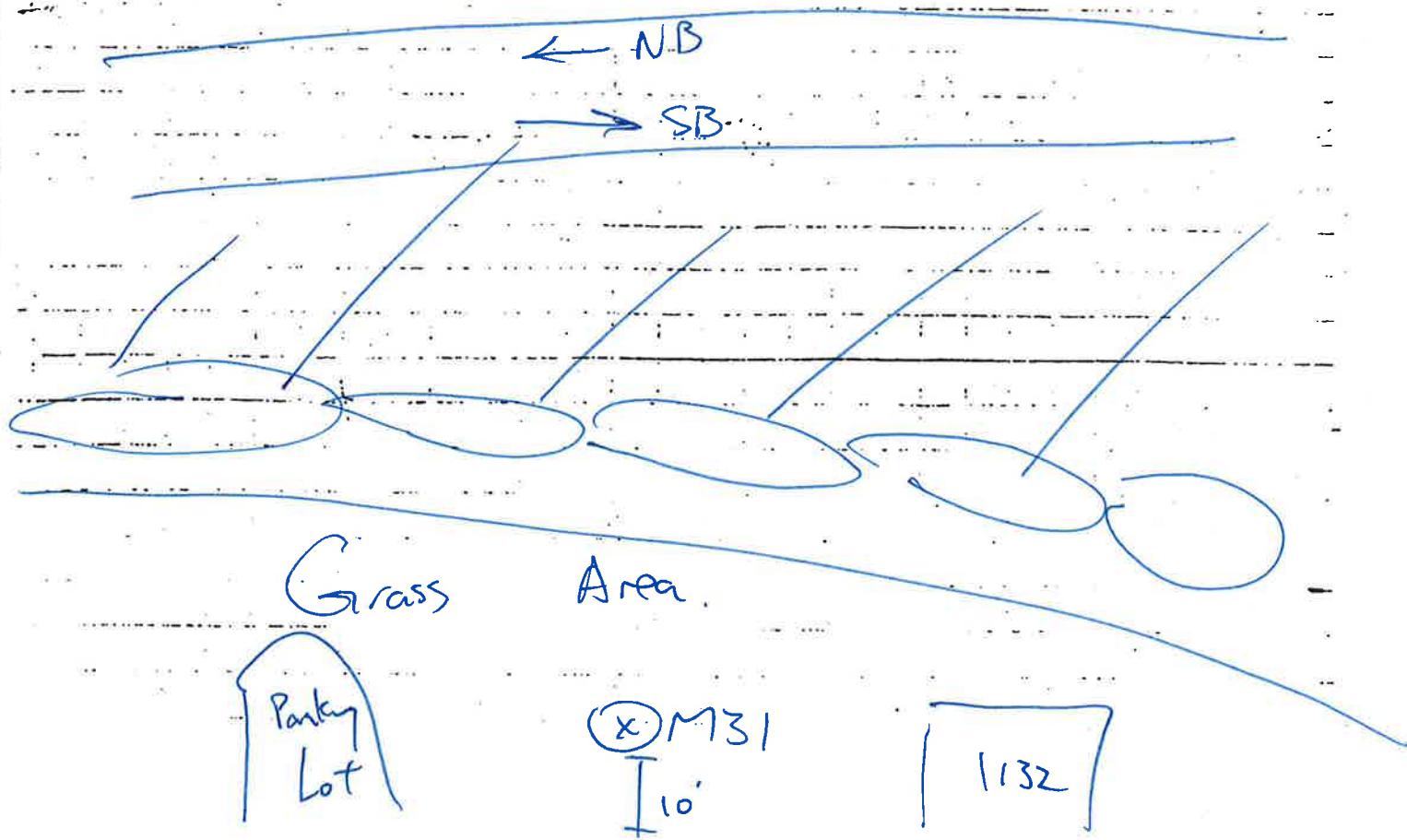
Page _____ of _____
Made by Matt Coffin
Date 2/25/10
n Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/26 | 2/25 |
| Time → | 8:24 am | 5:45 pm |
| LEQ | 68.9 | 66.6 |
| SEL | 89 | 87 |
| L99 | 67 | 64 |
| L90 | 68 | 65 |
| L50 | 69 | 67 |
| L10 | 71 | 69 |
| L1 | 72 | 70 |
| INST | | |
| MINN | 60 | 59 |
| AMXL | 84 | 83 |
| MAXP | 91 | 89 |
| PEAK | | |
| 716 | | |

TRAFFIC VACCINES

I-75



BRUNCKERONI Computation Sheet

Subject Noise Monitoring - M-32

Receptor KY-32 500 Highland Ave.

Made by M. Caffin

Date 2/25/12

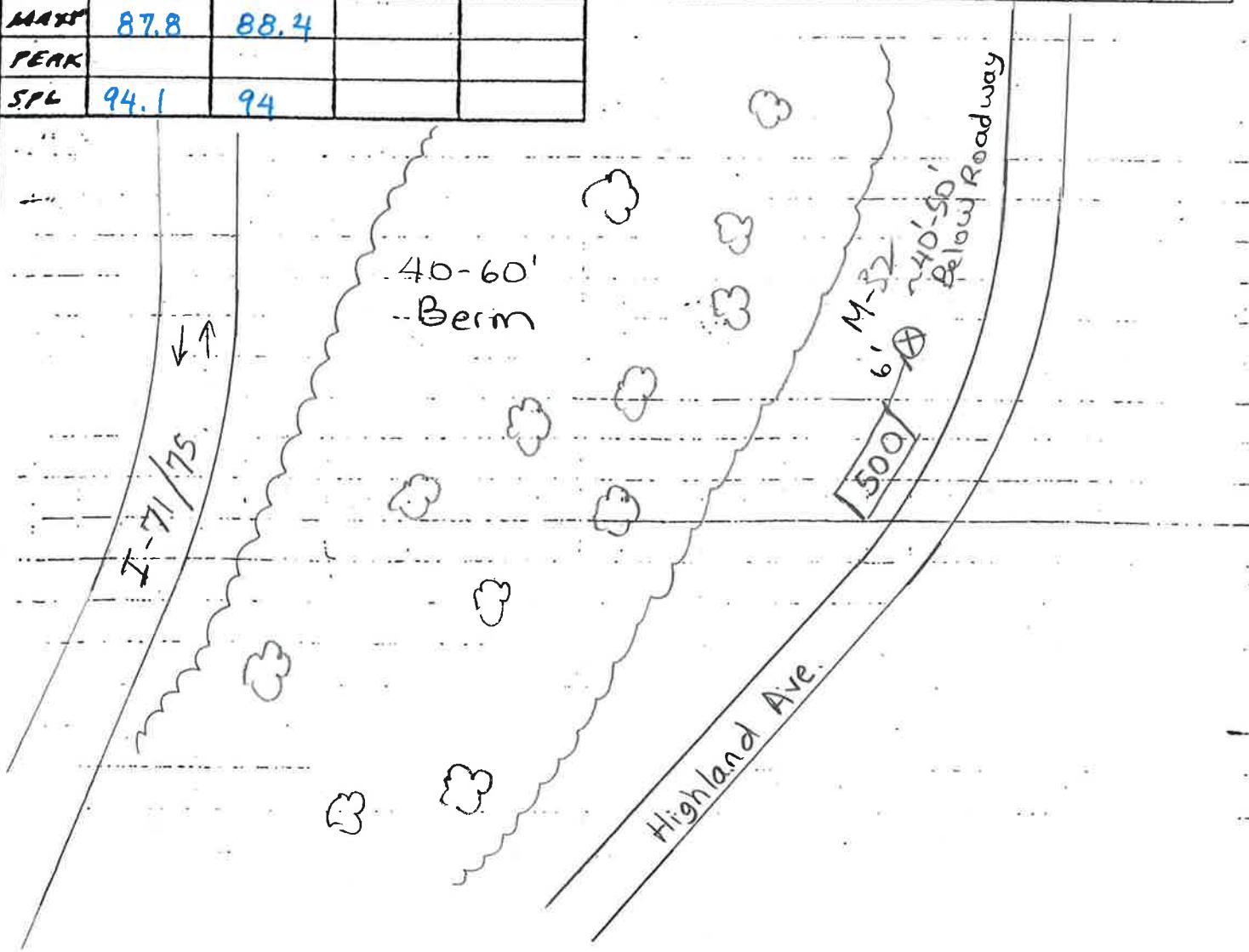
Checked by

Dato

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/25 | 2/25 |
| Time → | 8:45 am | 5:10 pm |
| LEQ | 61.1 | 62.2 |
| SEL | 90.5 | 91.7 |
| L91 | 57.4 | 58.4 |
| L90 | 58.4 | 59.9 |
| L50 | 60.4 | 61.4 |
| L10 | 62.9 | 63.9 |
| L1 | 67.9 | 68.9 |
| INST | | |
| MIN | 56.8 | 57.2 |
| MAXL | 73.4 | 73.3 |
| MAXP | 87.8 | 88.4 |
| PEAK | | |
| SPL | 94.1 | 94 |

TRAFFIC VACUNAS



BRUNNENKEMMEL Computation Sheet

Subject Nurse Monitoring - M-33
Receptor KY-28 1000 Emery Dr

Made by M. G. H.

Date 2/25/12

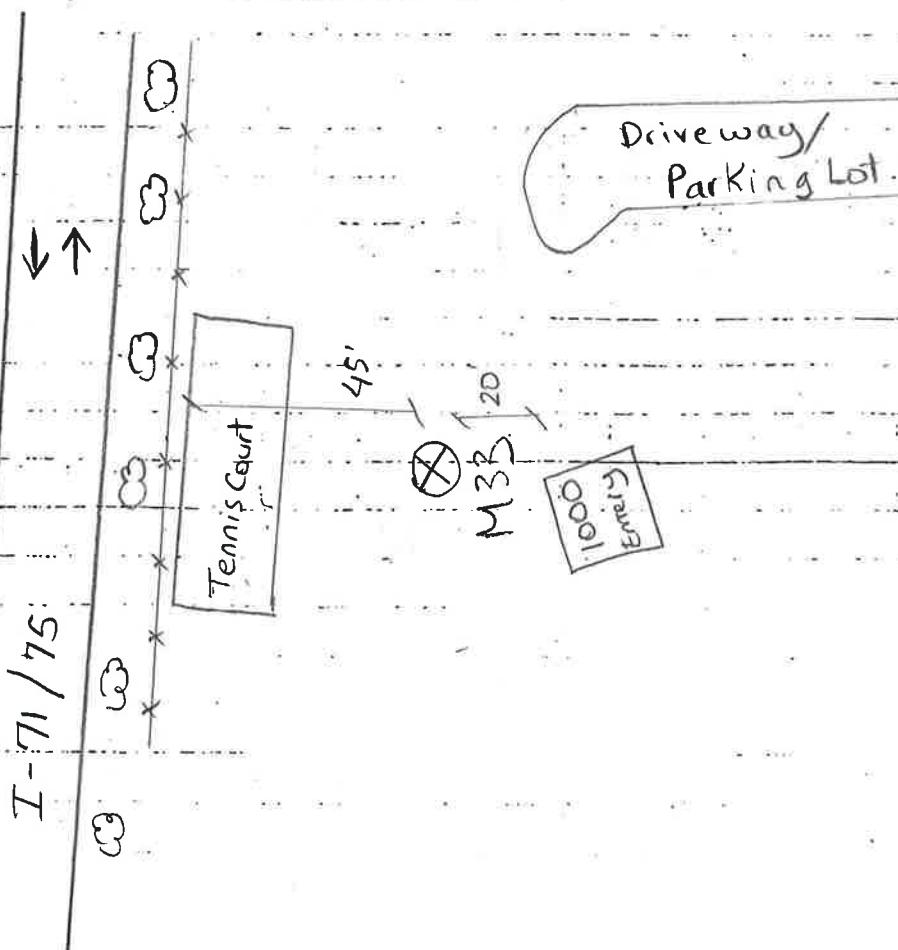
Checked by

Date

Wegther:

| | | |
|--------|---------|---------|
| Date → | 2/25 | 2/25 |
| Time → | 8:25 am | 4:46 pm |
| LEQ | 69.9 | 75.0 |
| SEL | 99.4 | 104.4 |
| L91 | 65.4 | 67.9 |
| L90 | 66.9 | 70.9 |
| L50 | 68.4 | 73.4 |
| L10 | 71.4 | 76.4 |
| L1 | 76.4 | 83.4 |
| INST | | |
| MIN | 64.4 | 65.7 |
| MAXL | 88.6 | 93.3 |
| MAXT | 105.1 | 108.0 |
| PEAK | | |
| SPL | 94.1 | 94.0 |

TRAFFIC INCIDENTS



Brinckerhoff Computation Sheet

Subject Nurse Monitoring - M-34.

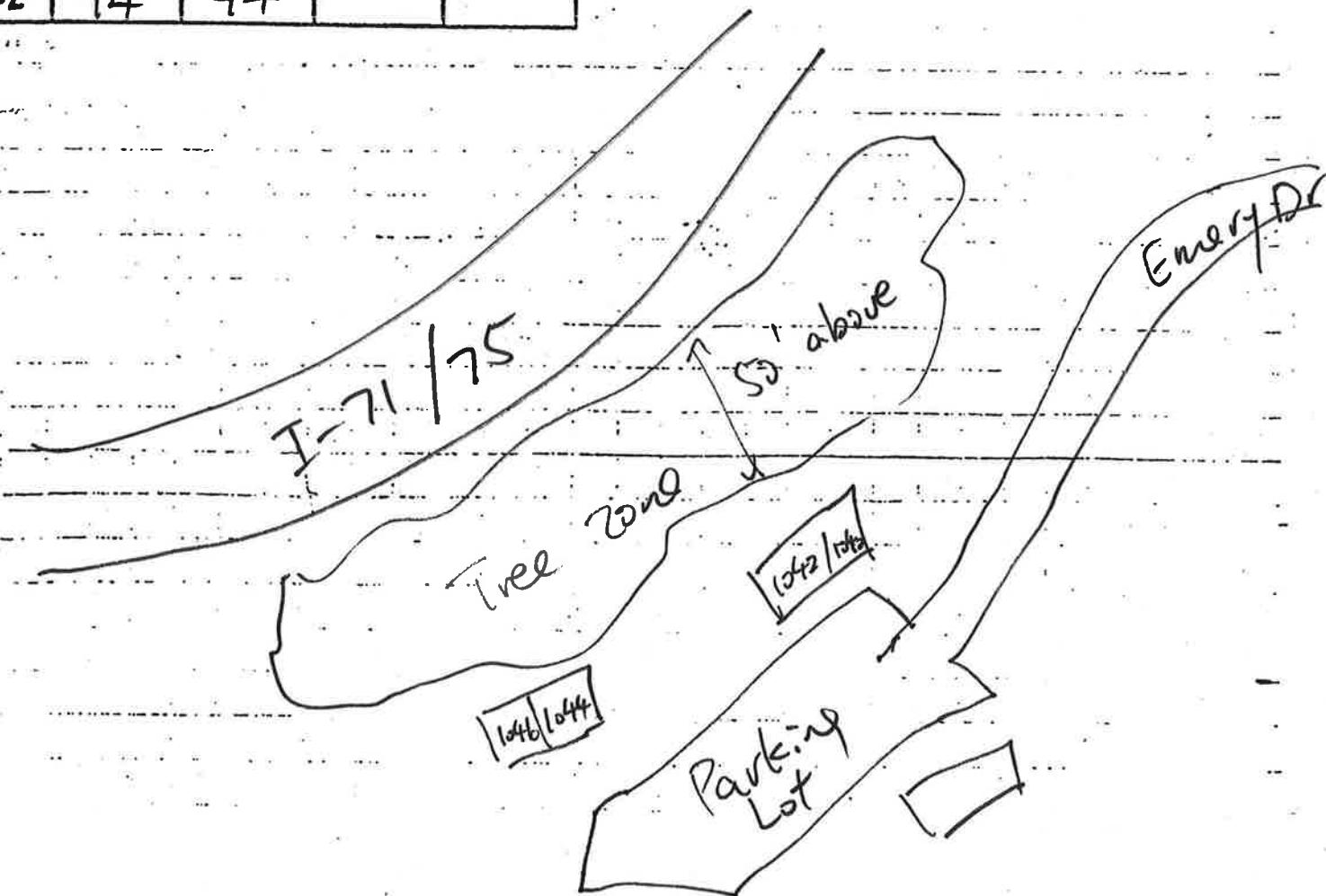
Receptor KY-26 1042 Emery Dr.

Page _____ of _____
Made by Matt Coffin
Date 2/25/10
Checked by _____
Date _____

Weather:

| | | |
|--------|--------|--------|
| Date → | 2/25 | 2/25 |
| Time → | 8:30am | 4:46pm |
| LEQ | 53.8 | 55.5 |
| SEL | 78 | 88 |
| L91 | 49 | 52 |
| L90 | 50 | 53 |
| L50 | 52 | 55 |
| L10 | 54 | 57 |
| L1 | 58 | 63 |
| INST | | |
| MING | 47 | 55 |
| AMYL | 60 | 68 |
| MATT | 72 | 80 |
| PEAK | | |
| SPL | 94 | 44 |

TRAFFIC RECORDS



BRUNCKERMAN Computation Sheet

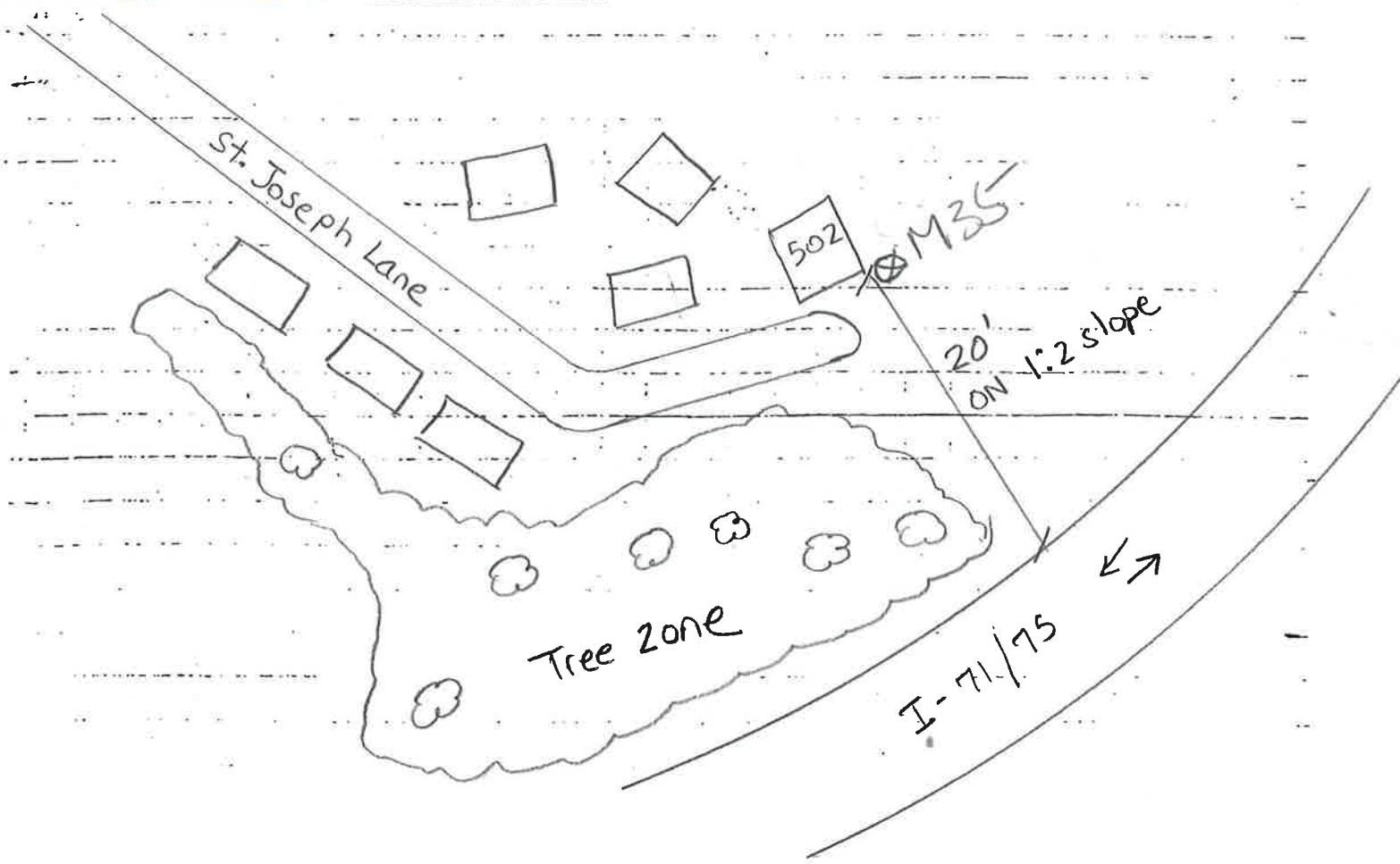
Subject Nurse Monitoring - M-35
Receptor KY-11 502 St. Joseph Lane

Made by M. Coffin
Date 2/24/12
Checked by _____
Date _____

Weather:

| | | |
|--------|--------|--------|
| Date → | 2/24 | 2/24 |
| Time → | 8:10am | 5:11pm |
| LEQ | 67.3 | 68.7 |
| SEL | 99 | 98 |
| L91 | 62 | 66 |
| L90 | 64 | 67 |
| L50 | 66 | 68 |
| L10 | 69 | 71 |
| L1 | 74 | 74 |
| INST | | |
| MIN | 63 | 66 |
| MAXL | 87 | 77 |
| MAXR | 91 | 90 |
| PEAK | | |
| SPL | 94 | 95.9 |

TRAFAC RECORDER



Бюджетный Computation Sheet

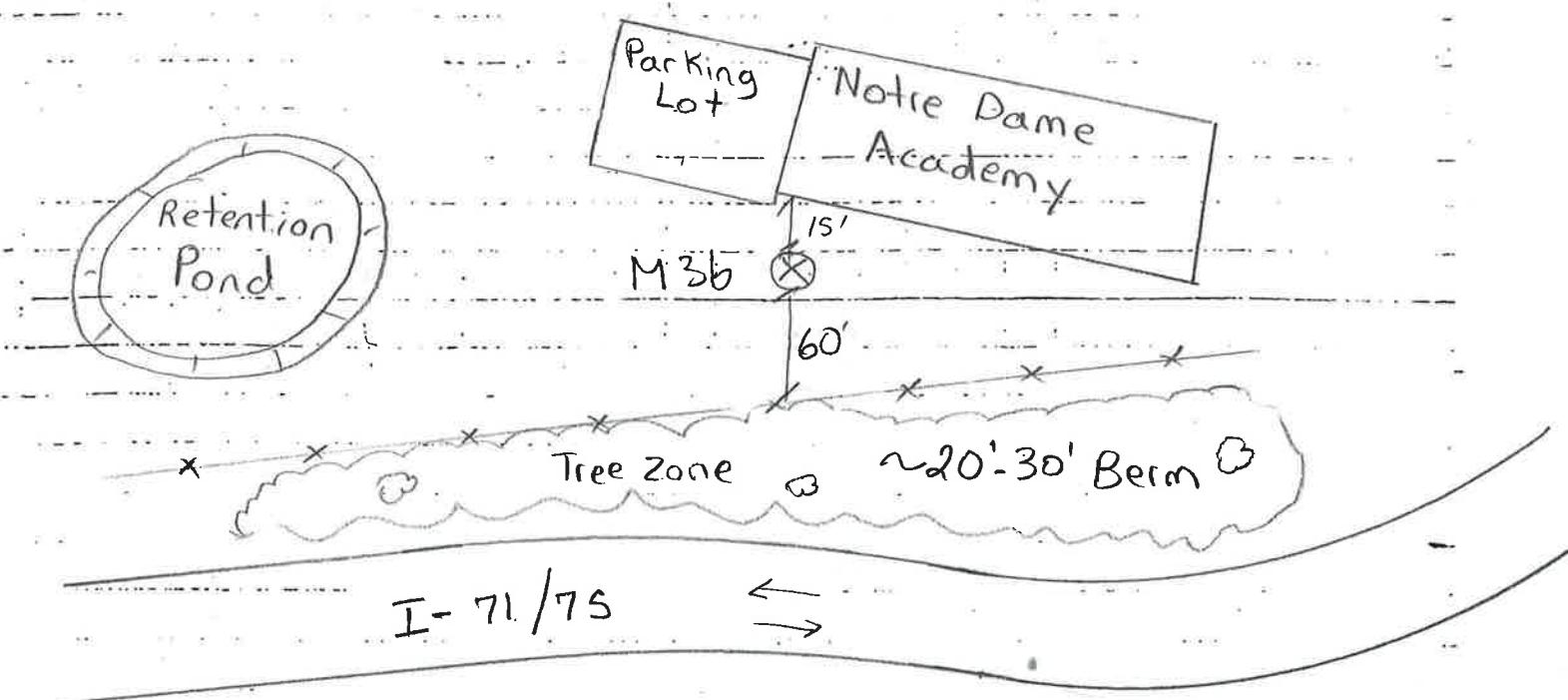
Subject Nurse Monitoring - M-36
Receptor KY-24 1699 Hilton Dr (school)

Made by M Gaffin
Date 2/24/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/29 | 2/24 |
| Time → | 8:00 am | 5:10 pm |
| LEQ | 67.7 | 67.3 |
| SEL | 97.2 | 96.8 |
| L91 | 64.9 | 64.9 |
| L90 | 65.9 | 65.9 |
| L50 | 67.4 | 67.4 |
| L10 | 69.4 | 68.9 |
| L1 | 71.4 | 69.9 |
| INST | | |
| MIN | 63.2 | 64.1 |
| MAXL | 73.0 | 71.1 |
| MAXP | 88.8 | 87.1 |
| PEAK | | |
| SPL | 68.7 | 69.7 |

TRAFFIC RECORDS



Brinckerhoff Computation Sheet

Subject Nurse Monitoring - 1565 St. Anthony St.
Receptor M 37

Made by Matt Coffin
Date 2/25/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|--------|
| Date → | 18/2/24 | 2/24 |
| Time → | 7:30am | 4:44pm |
| LEQ | 69.8 | 70.6 |
| SEL | 94 | 96 |
| L99 | 66 | 68 |
| L90 | 67 | 69 |
| L50 | 69 | 71 |
| L10 | 72 | 73 |
| L1 | 74 | 75 |
| INST | | |
| MIN | 61 | 64 |
| MAXL | 76 | 79 |
| MAXR | 87 | 88 |
| PEAK | | |
| SPL | 94 | 94 |

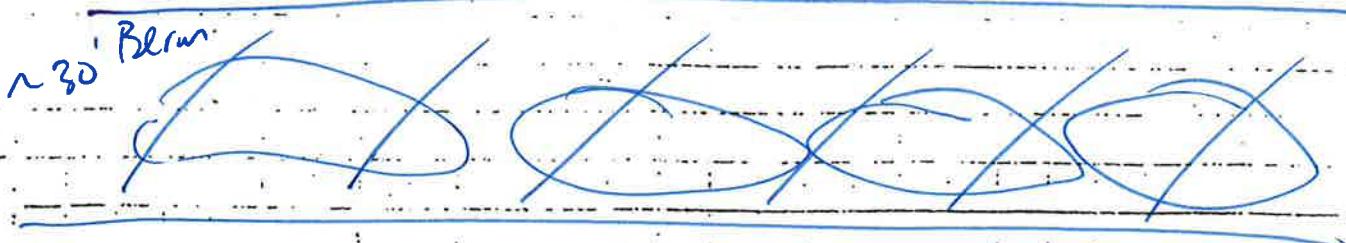
TRAFFIC ACCIDENTS

4:44 to 4:46 PM Dog on
Premises barking
Continuously

I-75

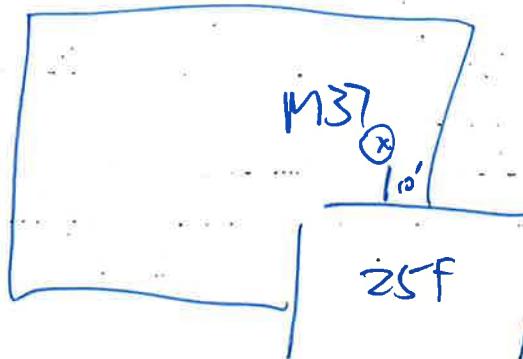
← SB

$\Rightarrow NB$



Received

above
Roofline
~30'



1565
St. Anthony

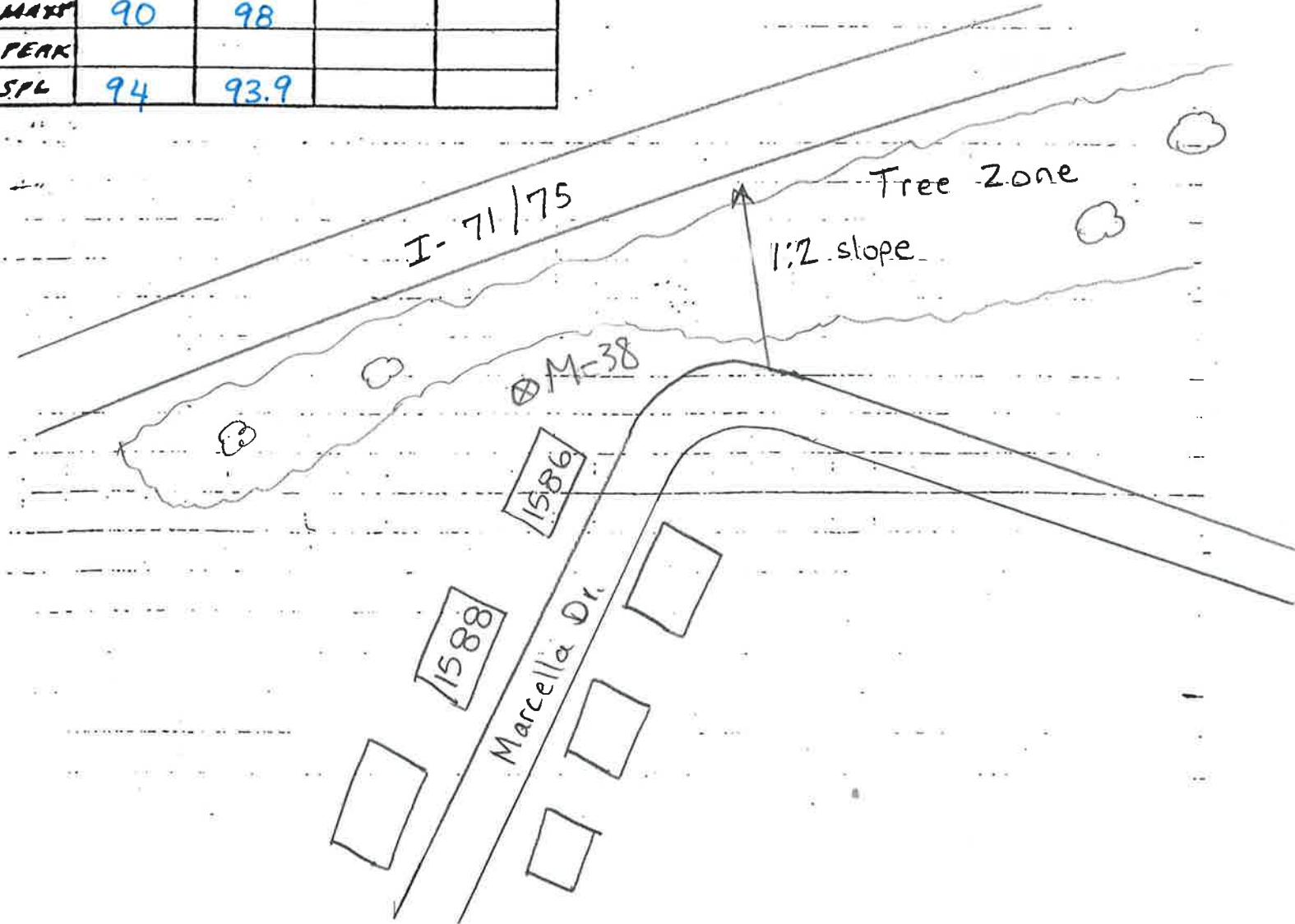
Бюджет & Мониторинг Computation Sheet

Subject Nurse Monitoring - M-38
Receptor KY-9 1586 Marcella Dr.

Made by M Giffin
Date 2/24/10
Checked by _____
Date _____

Weather:

| | | |
|------|---------|---------|
| Date | 2/24 | 2/24 |
| Time | 7:32 AM | 4:38 PM |
| LEQ | 70.3 | 72.6 |
| SEL | 98 | 102 |
| L91 | 65 | 69 |
| L90 | 67 | 71 |
| L50 | 70 | 73 |
| L10 | 72 | 74 |
| L1 | 74 | 78 |
| INST | | |
| MIN | 63 | 67 |
| MAXL | 86 | 82 |
| MAXP | 90 | 98 |
| PEAK | | |
| SPL | 94 | 93.9 |



BRUNCKERHOLM Computation Sheet

Subject Nurse Monitoring - M-39
Receptor KY-20 101 Kyles Lane

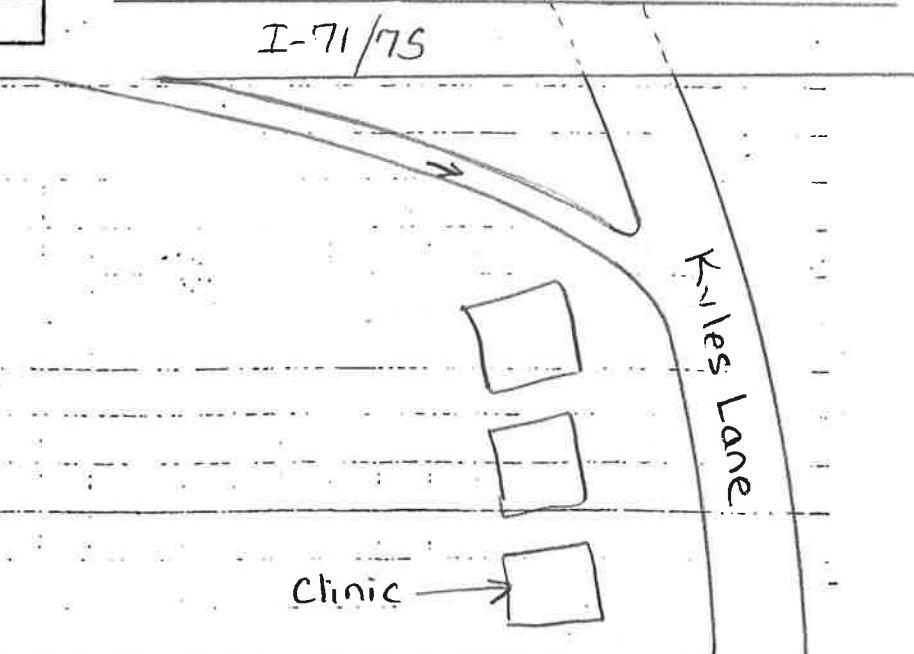
Made by 49 Coffin
Date 2/24/63
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/24 | 2/24 |
| Time → | 7:05 AM | 4:15 pm |
| LEG | 68.1 | 64.6 |
| SEL | 98 | 94 |
| L99 | 57 | 58 |
| L90 | 63 | 60 |
| L50 | 68 | 64 |
| L10 | 71 | 67 |
| L1 | 73 | 71 |
| INST | | |
| MINN | 50 | 56 |
| MAXL | 78 | 74 |
| MAXR | 92 | 96 |
| PEAK | | |
| SPL | 94 | 93.9 |

TRAFFIC VOLUMES

I-71/75



Kennedy Rd.



Лист расчетов Computation Sheet

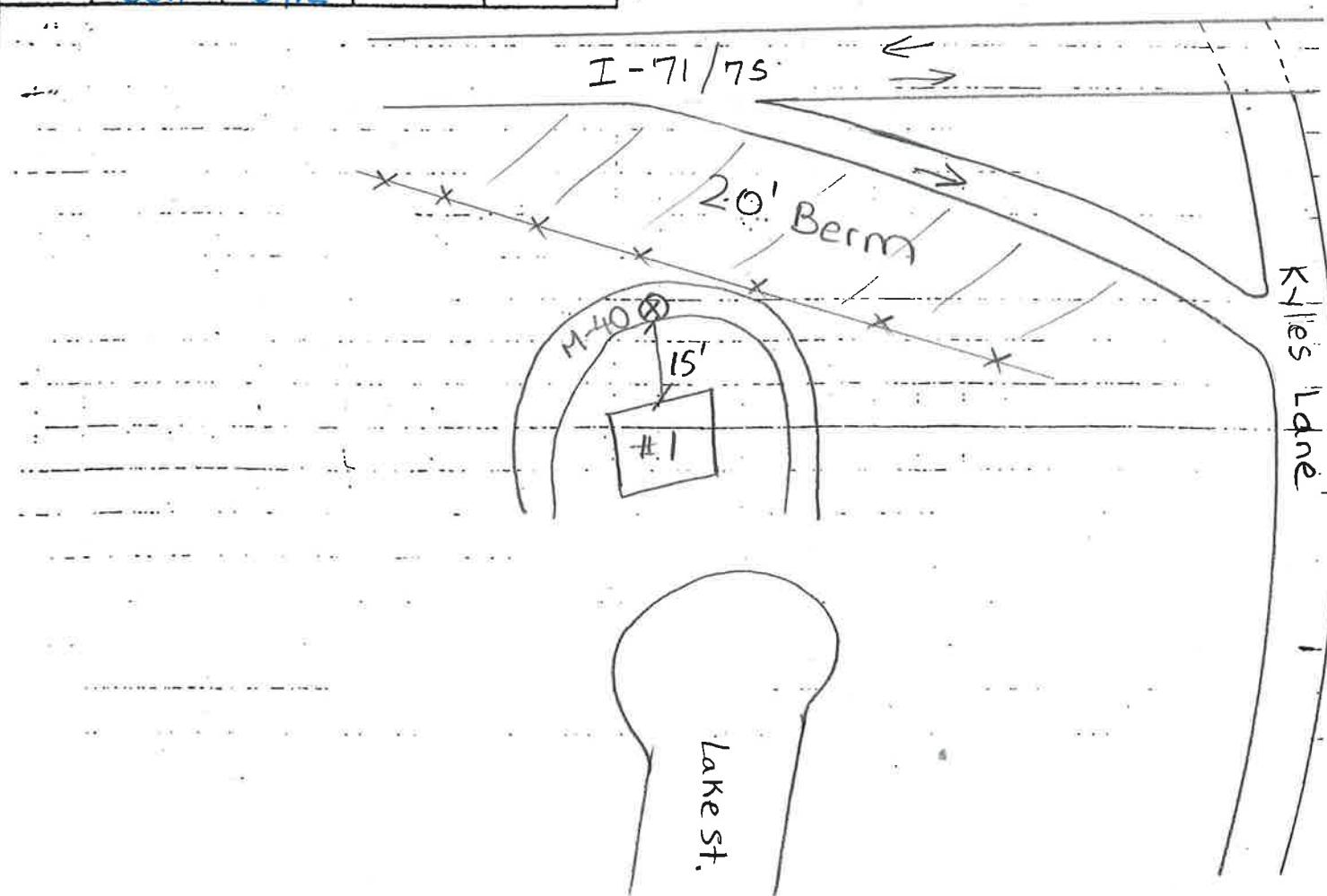
Subject Nurse Monitoring - M-40
Receptor KY-19 7 Lake Street

Made by M Caffin
Date 2/23/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/23 | 2/24 |
| Time → | 8:25 AM | 4:00 pm |
| LEQ | 61.2 | 61 |
| SEL | 90.6 | 95.5 |
| L99 | 56.9 | 56.9 |
| L90 | 58.4 | 58.4 |
| L50 | 60.4 | 60.4 |
| L10 | 62.9 | 62.9 |
| L1 | 66.4 | 65.9 |
| INST | | |
| MIN | 55.9 | 60.5 |
| MAXL | 73.7 | 74.1 |
| MAXR | 88.7 | 97.9 |
| PEAK | | |
| SPL | 60.1 | 64.2 |

TRAFFIC ACCIDENTS



Бюджетно-финансовая Computation Sheet

Subject Nurse Monitoring - M-41.
Receptor KY-19a IS Highview Dr.

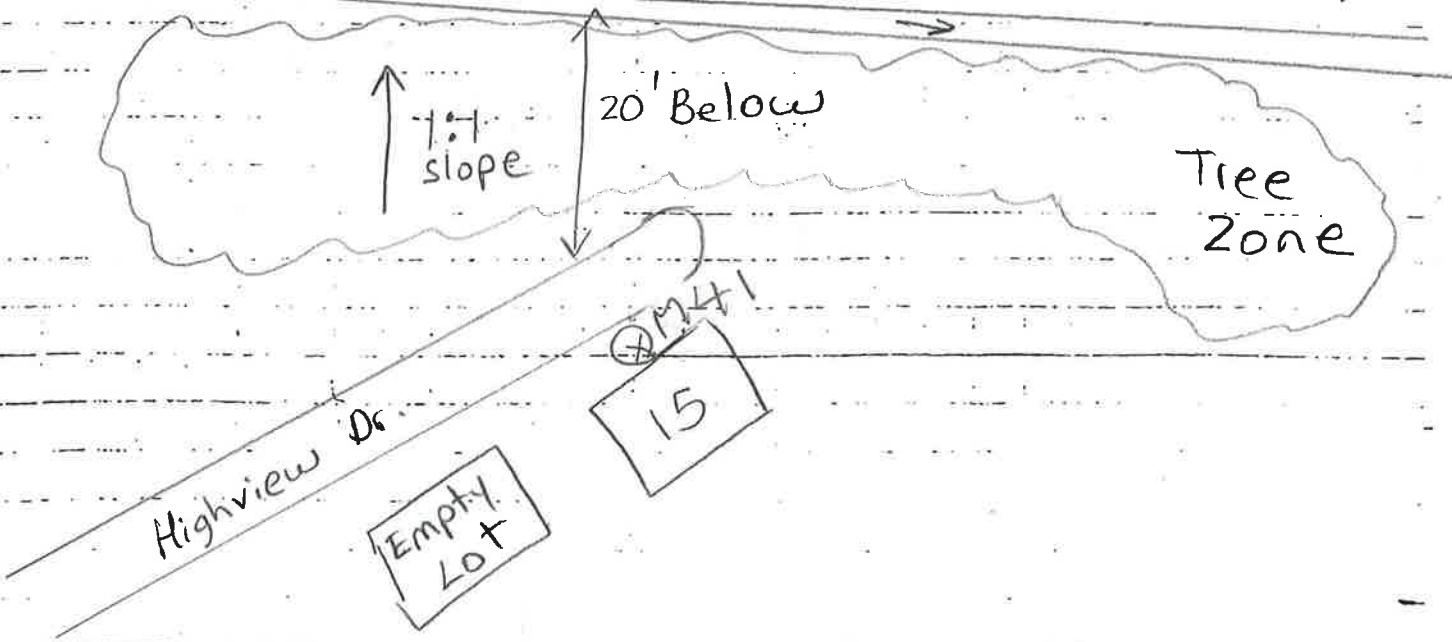
Made by M. Caffin
Date 2/23/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/23 | 2/24 |
| Time → | 8:27 AM | 3:48 PM |
| LEQ | 70.7 | 72.1 |
| SEL | 98 | 101 |
| L91 | 67 | 70 |
| L90 | 69 | 71 |
| L50 | 71 | 72 |
| L10 | 73 | 73 |
| L1 | 74 | 74 |
| INST | | |
| MIN | 65 | 68 |
| MAXL | 82 | 76 |
| MAXR | 89 | 90 |
| PEAK | | |
| SPL | 94 | 93.9 |

TRAFFIC RECORDS

I-71/75 ←



Биржевая вычислительная лист

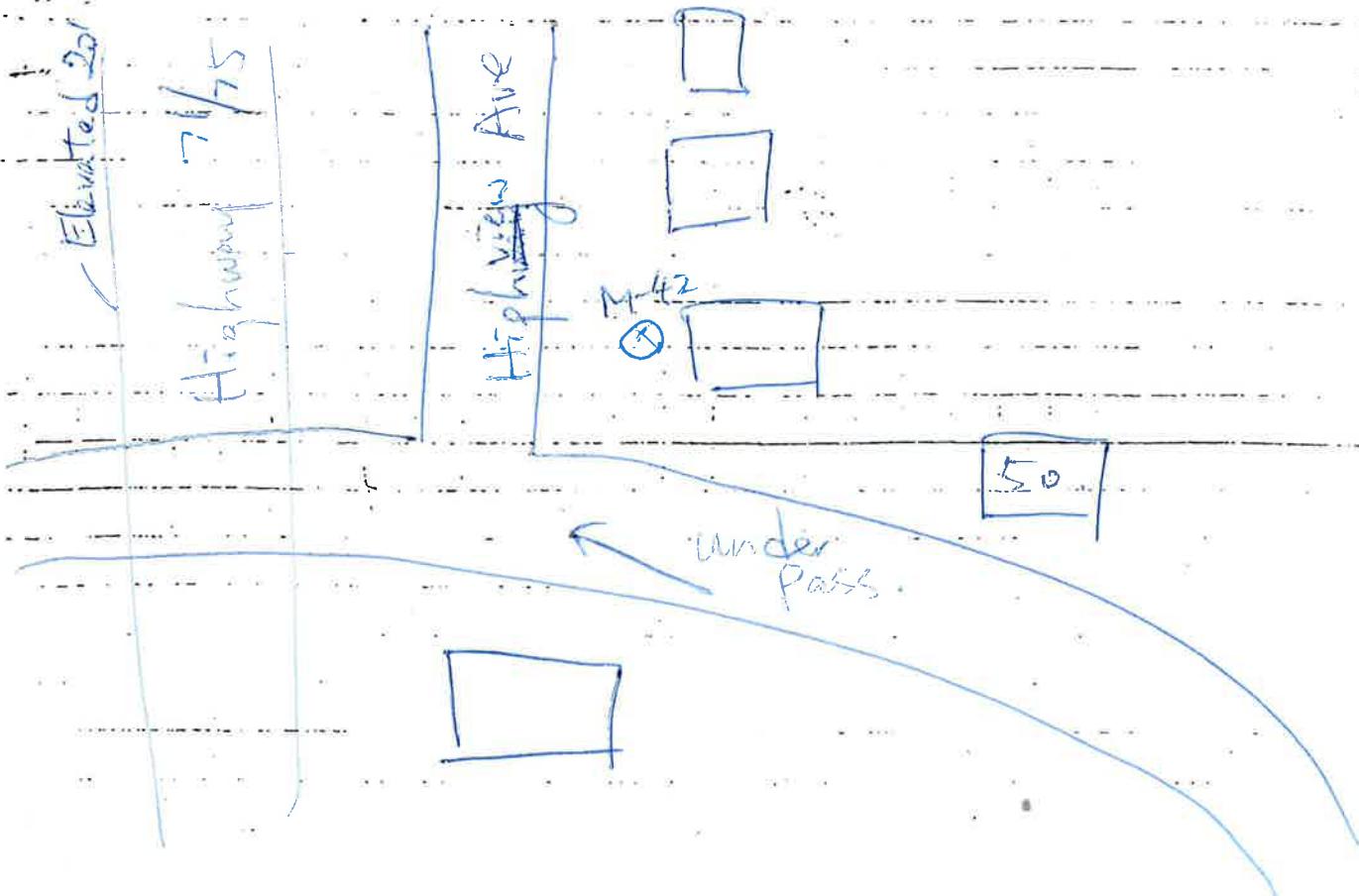
Subject Nurse Monitoring - M-42
Receptor KY-13 7 Highview Dr

Made by M Coffin
Date 2/23/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/23 | 2/23 |
| Time → | 7:59 AM | 4:38 PM |
| LEQ | 66.4 | 70.7 |
| SEL | 96 | 100 |
| L91 | 63 | 68 |
| L90 | 65 | 69 |
| L50 | 66 | 70 |
| L10 | 68 | 72 |
| L1 | 70 | 74 |
| INST | | |
| MIN | 62 | 67 |
| MAXL | 85 | 91 |
| MAXP | 92 | 93 |
| PEAK | | |
| SPL | 94 | 93.8 |

TRAFFIC VACUUMS



Intermediate Computation Sheet

Subject Nurse Monitoring - M-43

Receptor KY-18 1945 Dixie Highway

Made by M. Goffin
Date 2/23/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/23 | 2/23 |
| Time → | 7:53 AM | 4:57 PM |
| LEQ | 74.4 | 76.1 |
| SEL | 103.9 | 105.5 |
| L91 | 68.4 | 73.4 |
| L90 | 71.4 | 74.4 |
| L50 | 73.9 | 75.9 |
| L10 | 76.4 | 77.4 |
| L1 | 78.4 | 78.4 |
| INST | | |
| MIN | 64.4 | 72.7 |
| MAXL | 80.2 | 81.6 |
| MAXR | 94.1 | 94.2 |
| PEAK | | |
| SPL | 74.1 | 76.8 |

TRAFFIC RECORDS

Receptor - ~16' above
roadway.

-75

N.B.

\rightarrow SB

~~45~~ ~~X~~ to ~~left~~ elevation ~~X~~ ~~X~~

AM-43
5'

Days

Inn.

~~BRUNCKERMAN~~ Computation Sheet

Subject Nurse Monitoring - M-44
Receptor KY-13a 1971 Pieck Dr.

Made by M. Coffin
Date 2/23/12
Checked by _____
Date _____

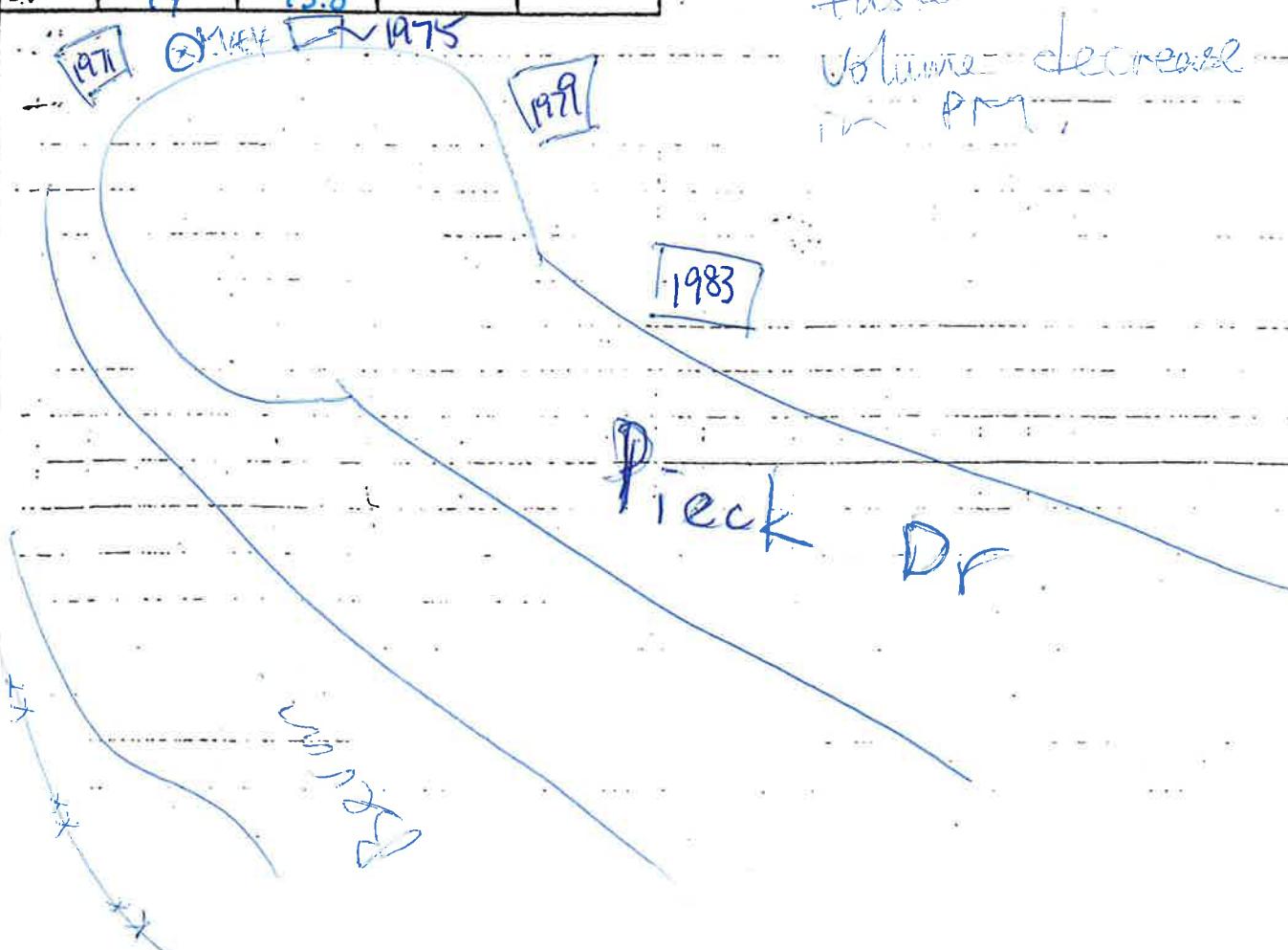
Weather:

| | | |
|--------|---------|---------|
| Date → | 2/23 | 2/23 |
| Time → | 7:28 AM | 4:14 PM |
| LEQ | 68.1 | 72.3 |
| SEL | 98 | 102 |
| L91 | 63 | 67 |
| L90 | 64 | 70 |
| L50 | 67 | 72 |
| L10 | 69 | 74 |
| L1 | 71 | 75 |
| INST | | |
| MINX | 62 | 68 |
| MAXL | 91 | 86 |
| MAXS | 97 | 94 |
| PEAK | | |
| SPL | 94 | 93.8 |

TRAFFIC VOLUMES

PM traffic is fast
faster than AM

Volume decreased
P₁ > P₂



~~BRUNICKERMAN~~ Computation Sheet

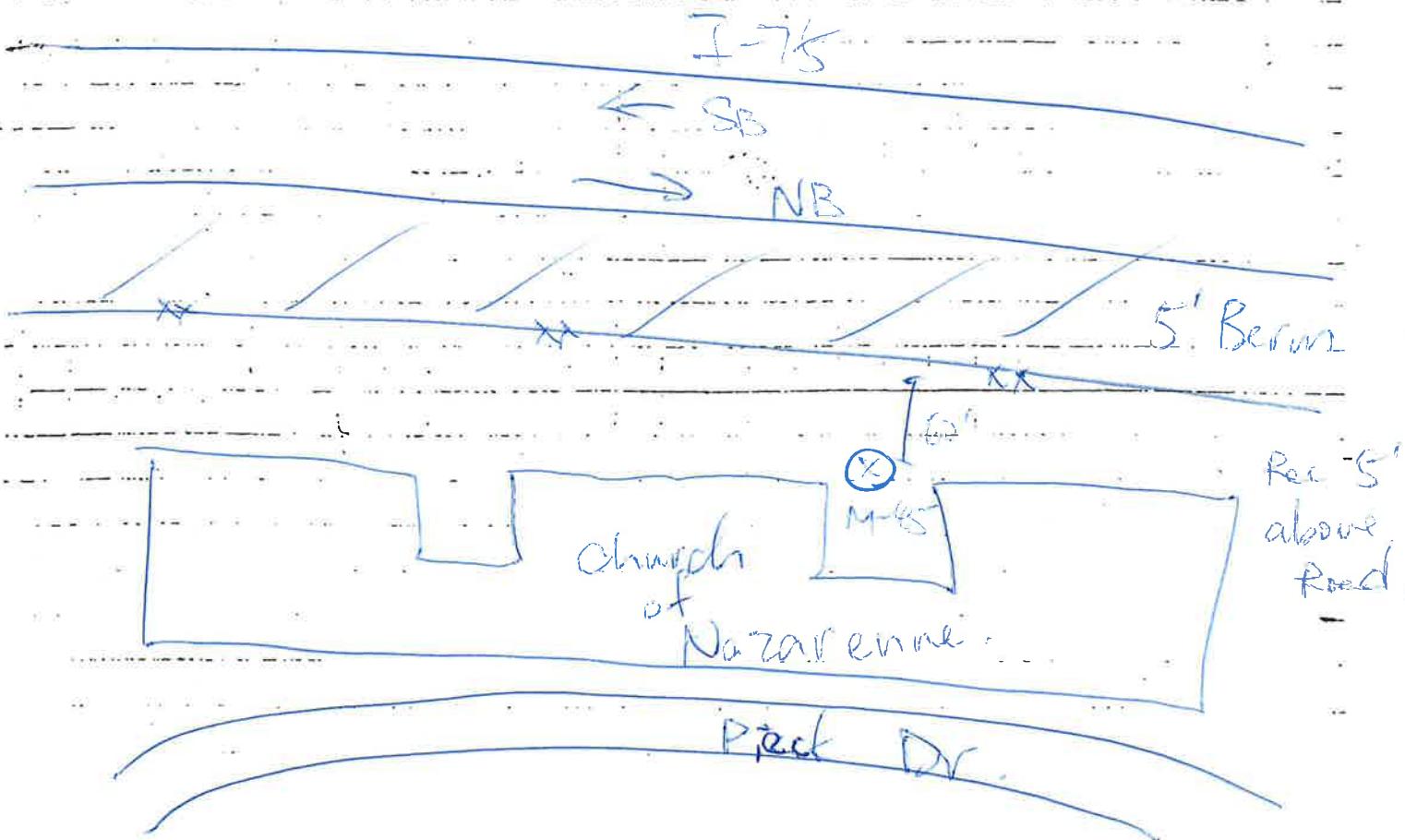
Subject Nurse Monitoring - M-45
Receptor KY-136 2006 Pieck Dr

Made by M Coffin
Date 2/25/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/25 | 2/25 |
| Time → | 7:42 AM | 4:02 pm |
| LEQ | 70.4 | 73.7 |
| SEL | 102.9 | 108.1 |
| L99 | 66.9 | 69.9 |
| L90 | 68.9 | 71.4 |
| L50 | 70.4 | 73.9 |
| L10 | 72.4 | 75.4 |
| L1 | 73.4 | 77.4 |
| INST | | |
| MIN | 68.1 | 73.5 |
| MAX | 78.7 | 85.9 |
| Avg | 97.4 | 109.1 |
| PEAK | | |
| SPL | 94.1 | 94 |

NB Traffic free flow
for PM.



Brinckerhoff Computation Sheet

Subject Nurse Monitoring - M-46
Receptor KY-13c 15 Leslie Ave.

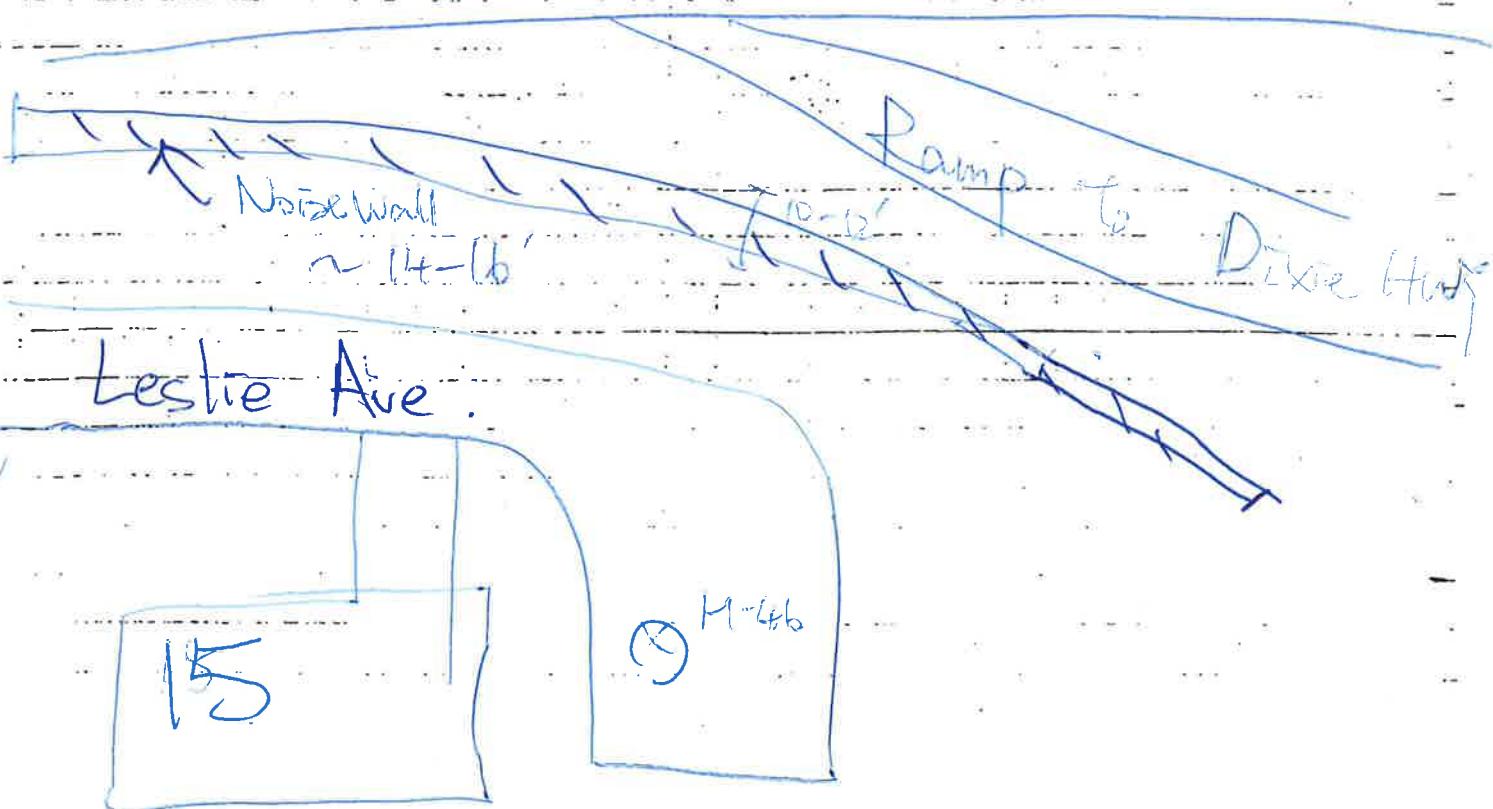
Made by M. Ciffin
Date 7/23/10
Checked by _____
Date _____

Wegther:

| Date → | 2/23 | 2/23 |
|--------|---------|---------|
| Time → | 7:25 AM | 4:12 PM |
| LEQ | 68.3 | 69.2 |
| SEL | 95.7 | 98.7 |
| L99 | 64.4 | 66.9 |
| L90 | 65.9 | 67.9 |
| L50 | 68.4 | 69.4 |
| L10 | 69.9 | 70.4 |
| L1 | 70.9 | 71.4 |
| INST | | |
| MIN | 60.5 | 65.6 |
| MAXL | 70.2 | 72.3 |
| MAXP | 90.8 | 84.8 |
| PEAK | | |
| SPL | 68.7 | 70.8 |

TRAFFIC VACUUMS

~~NOTE~~ I-75



Brinckerhoff Computation Sheet

Subject Nurse Monitoring - M-47

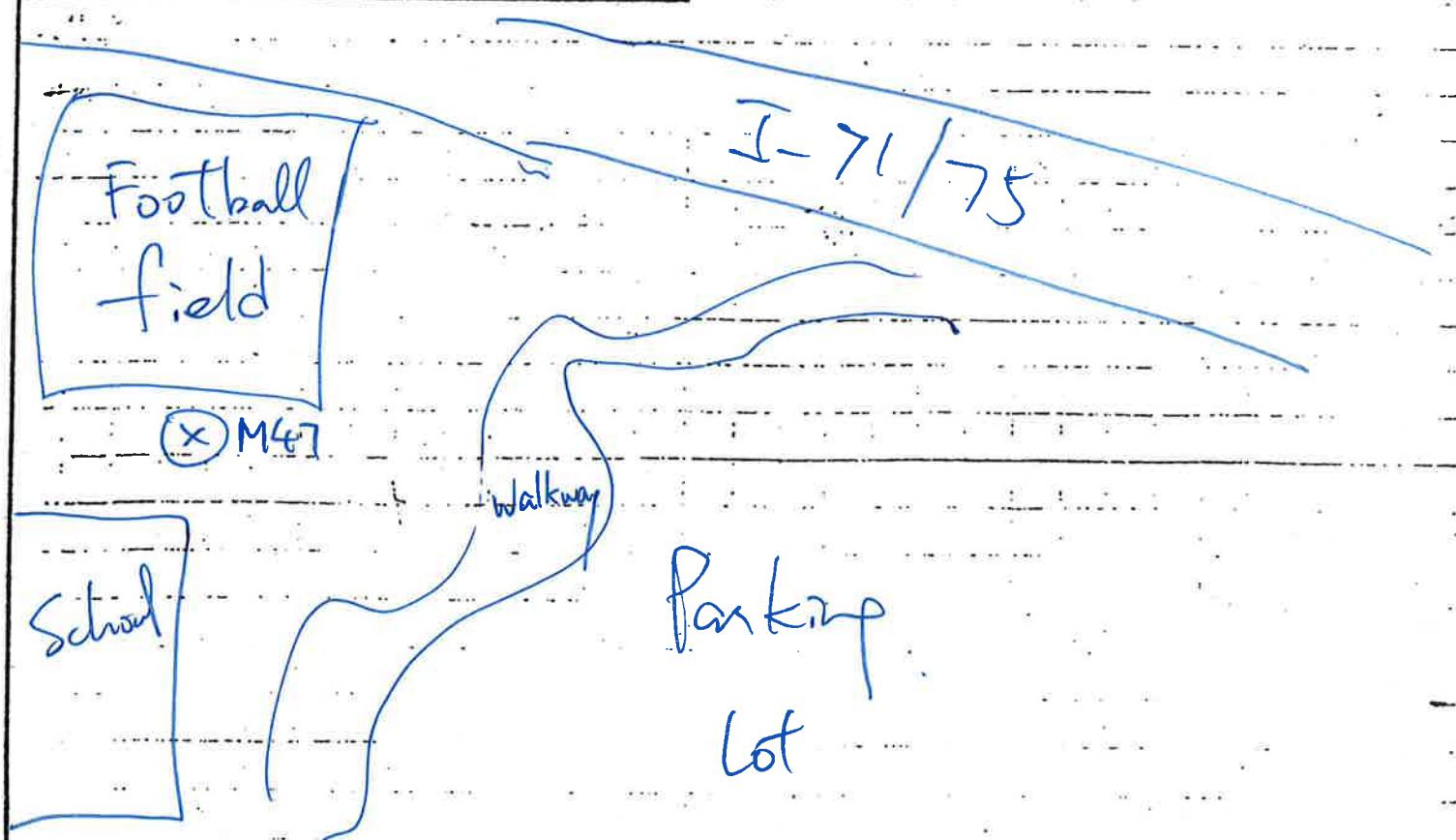
Receptor 54 Beachwood Rd.
Beechwood Elementary School

Made by Matt Coffin
Date 2/25/10
Checked by _____
Date _____

Weather:

| | | |
|--------|--------|--------|
| Date → | 2/25 | 2/25 |
| Time → | 7:45am | 4:00pm |
| LEQ | 56.8 | 59.1 |
| SEL | 89 | 92 |
| L91 | 52 | 55 |
| L90 | 53 | 57 |
| L50 | 54 | 59 |
| L10 | 56 | 61 |
| L1 | 63 | 62 |
| INST | | |
| MIN | 55 | 58 |
| MAXL | 85 | 66 |
| MAXR | 92 | 86 |
| PEAK | | |
| SPL | 94.0 | 94.0 |

TRAFFIC RECORDS



BRUNNENMILL Computation Sheet

Subject Nurse Monitoring - M-48

Receptor KY-13f 102 West Maple Ave.

Made by M. Coffin
Date 2/23/10
Checked by _____
Date _____

Weather:

| | | |
|--------|---------|---------|
| Date → | 2/23 | 2/23 |
| Time → | 7:00 AM | 4:00 PM |
| L6Q | 62.1 | 63.7 |
| SEL | 96.6 | 99.1 |
| L99 | 55.4 | 58.9 |
| L90 | 57.9 | 60.4 |
| L50 | 61.4 | 63.4 |
| L10 | 64.9 | 65.9 |
| L1 | 67.4 | 67.9 |
| INST | | |
| MINX | 58.5 | 63.4 |
| MAXL | 75.7 | 79.2 |
| MAXR | 90.0 | 95.8 |
| PEAK | | |
| SPL | 64.6 | 66.4 |

Receiver elev. at about
same elev as roadway

NB I-75

$\rightarrow SB$

tree zone

10' Berlin

West maple Ave

~~HM-488~~

107

Appendix D

FHWA TNM Version 2.5 Determined Noise Reduction Levels Achieved For Proposed Noise Barriers Located in Kentucky for Alternative E

| Table Number | Table Name | Page Number |
|--------------|---|-------------|
| D1 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B1 | D-1 |
| D2 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B2 | D-5 |
| D3 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B3 | D-8 |
| D4 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B4 | D-11 |
| D5 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B5 | D-16 |
| D6 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B6 | D-18 |
| D7 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B7 | D-20 |
| D8 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B8 | D-23 |
| D9 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B9 | D-27 |
| D10 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B10 | D-31 |
| D11 | Alternative E Individual Property Noise Abatement Analysis Findings Barrier B11 | D-36 |

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Table D1: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B1

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R69(K407) | 71.5 | 4 | 68.5 | 3 | 0 | 68.3 | 3.2 | 0 | 68.1 | 3.4 | 0 |
| R71(K440) | 71 | 1 | 66.5 | 4.5 | 0 | 66 | 5 | 1 | 65.6 | 5.4 | 1 |
| R72(K18) | 71.2 | 1 | 67 | 4.2 | 0 | 66.7 | 4.5 | 0 | 66.4 | 4.8 | 0 |
| R74(K456) | 70.6 | 1 | 67.3 | 3.3 | 0 | 67 | 3.6 | 0 | 66.8 | 3.8 | 0 |
| R77(KV418) | 75.6 | 1 | 75.3 | 0.3 | 0 | 75.2 | 0.4 | 0 | 74.7 | 0.9 | 0 |
| R78(K470) | 69.6 | 6 | 67.3 | 2.3 | 0 | 67.1 | 2.5 | 0 | 67 | 2.6 | 0 |
| R80(KV460) | 75.2 | 1 | 72.7 | 2.5 | 0 | 71.5 | 3.7 | 0 | 70.5 | 4.7 | 0 |
| R81(K485) | 68.8 | 1 | 67.1 | 1.7 | 0 | 66.9 | 1.9 | 0 | 66.7 | 2.1 | 0 |
| R82(KV460) | 75 | 1 | 70.5 | 4.5 | 0 | 69.4 | 5.6 | 1 | 68.5 | 6.5 | 1 |
| R83(K513) | 68 | 1 | 65 | 3 | 0 | 64.9 | 3.1 | 0 | 64.7 | 3.3 | 0 |
| R85(K494) | 68.7 | 1 | 66.2 | 2.5 | 0 | 65.8 | 2.9 | 0 | 65.5 | 3.2 | 0 |
| R86(K460) | 74.7 | 1 | 63.3 | 11.4 | 1 | 62.7 | 12 | 1 | 62.3 | 12.4 | 1 |
| R87(K467) | 74.4 | 1 | 64.2 | 10.2 | 1 | 63.8 | 10.6 | 1 | 63.5 | 10.9 | 1 |
| R88(K474) | 74.3 | 1 | 65.5 | 8.8 | 1 | 65.1 | 9.2 | 1 | 64.8 | 9.5 | 1 |
| R90(K532) | 68.9 | 1 | 67.9 | 1 | 0 | 67.8 | 1.1 | 0 | 67.8 | 1.1 | 0 |
| R91(K488) | 73.9 | 1 | 67.2 | 6.7 | 1 | 66.9 | 7 | 1 | 66.7 | 7.2 | 1 |
| R92(K518) | 71.3 | 1 | 68.1 | 3.2 | 0 | 67.8 | 3.5 | 0 | 67.5 | 3.8 | 0 |
| R96(K526) | 67 | 1 | 61.8 | 5.2 | 1 | 61.4 | 5.6 | 1 | 61.1 | 5.9 | 1 |
| R102(K15) | 75.8 | 1 | 70.1 | 5.7 | 1 | 68.6 | 7.2 | 1 | 66.7 | 9.1 | 1 |
| R103(K1771) | 67.5 | 1 | 67.4 | 0.1 | 0 | 67.2 | 0.3 | 0 | 67 | 0.5 | 0 |
| R104(K1832) | 67.2 | 1 | 67.2 | 0 | 0 | 67.1 | 0.1 | 0 | 67 | 0.2 | 0 |
| R105(K524) | 75.7 | 2 | 71.2 | 4.5 | 0 | 69.4 | 6.3 | 2 | 67 | 8.7 | 2 |
| R107(K541) | 67.5 | 1 | 65.2 | 2.3 | 0 | 64.6 | 2.9 | 0 | 63.8 | 3.7 | 0 |
| R111(K527) | 75.4 | 1 | 68.7 | 6.7 | 1 | 66.2 | 9.2 | 1 | 64.5 | 10.9 | 1 |
| R112(K1841) | 67.5 | 1 | 67.4 | 0.1 | 0 | 67.3 | 0.2 | 0 | 67.2 | 0.3 | 0 |

Table D1: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B1

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R113(K548) | 69.3 | 1 | 66.8 | 2.5 | 0 | 65.7 | 3.6 | 0 | 64.5 | 4.8 | 0 |
| R114(K1846) | 67.7 | 1 | 67.6 | 0.1 | 0 | 67.5 | 0.2 | 0 | 67.3 | 0.4 | 0 |
| R115(KV536) | 75.3 | 1 | 74.6 | 0.7 | 0 | 74.4 | 0.9 | 0 | 74.3 | 1 | 0 |
| R116(K1816) | 68.7 | 1 | 68.4 | 0.3 | 0 | 68.2 | 0.5 | 0 | 68 | 0.7 | 0 |
| R117(KV1846) | 68.7 | 1 | 68.5 | 0.2 | 0 | 68.4 | 0.3 | 0 | 68.2 | 0.5 | 0 |
| R120(KV1795) | 72.8 | 1 | 72.4 | 0.4 | 0 | 72.1 | 0.7 | 0 | 71.5 | 1.3 | 0 |
| R123(K536) | 75.2 | 2 | 65.2 | 10 | 2 | 64.1 | 11.1 | 2 | 63.1 | 12.1 | 2 |
| R125(K1795) | 68.1 | 1 | 67.4 | 0.7 | 0 | 67.2 | 0.9 | 0 | 67 | 1.1 | 0 |
| R127(K1800) | 70.1 | 1 | 68.1 | 2 | 0 | 67.8 | 2.3 | 0 | 67.5 | 2.6 | 0 |
| R128(K1877) | 68 | 1 | 67.8 | 0.2 | 0 | 67.6 | 0.4 | 0 | 67.5 | 0.5 | 0 |
| R132(K545) | 75.6 | 1 | 63.8 | 11.8 | 1 | 63 | 12.6 | 1 | 62.2 | 13.4 | 1 |
| R133(K1811) | 66.5 | 1 | 64.1 | 2.4 | 0 | 63.9 | 2.6 | 0 | 63.8 | 2.7 | 0 |
| R138(K552) | 76.1 | 1 | 64.2 | 11.9 | 1 | 63.4 | 12.7 | 1 | 62.7 | 13.4 | 1 |
| R143(K562) | 76.1 | 1 | 64.2 | 11.9 | 1 | 63.5 | 12.6 | 1 | 63 | 13.1 | 1 |
| R144(K1784) | 76.3 | 1 | 64.5 | 11.8 | 1 | 63.8 | 12.5 | 1 | 63 | 13.3 | 1 |
| R146(K1772) | 65.6 | 1 | 64.1 | 1.5 | 0 | 64 | 1.6 | 0 | 63.8 | 1.8 | 0 |
| R147(KV1801) | 74.2 | 1 | 72.3 | 1.9 | 0 | 71.5 | 2.7 | 0 | 70.9 | 3.3 | 0 |
| R149(K1790 R-48) | 76.3 | 1 | 65.3 | 11 | 1 | 64.6 | 11.7 | 1 | 63.8 | 12.5 | 1 |
| R161(K1777) | 63 | 1 | 62.5 | 0.5 | 0 | 62.2 | 0.8 | 0 | 62 | 1 | 0 |
| R163(K1801) | 75.4 | 1 | 64.5 | 10.9 | 1 | 63.5 | 11.9 | 1 | 62.7 | 12.7 | 1 |
| R165(K1885) | 66.7 | 0 | 66.7 | 0 | 0 | 66.7 | 0 | 0 | 66.7 | 0 | 0 |
| R166(K1828) | 62.9 | 1 | 62.5 | 0.4 | 0 | 62.3 | 0.6 | 0 | 62.2 | 0.7 | 0 |
| R167(K1883) | 66.5 | 0 | 66.5 | 0 | 0 | 66.5 | 0 | 0 | 66.5 | 0 | 0 |
| R170(K1812) | 74.7 | 1 | 65 | 9.7 | 1 | 64.1 | 10.6 | 1 | 63 | 11.7 | 1 |
| R172(K1839) | 62.7 | 1 | 62.2 | 0.5 | 0 | 62 | 0.7 | 0 | 61.8 | 0.9 | 0 |

Table D1: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B1

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R654(K1039) | 66.1 | 0 | 66.6 | -0.5 | 0 | 66.6 | -0.5 | 0 | 66.6 | -0.5 | 0 |
| R174(K1765) | 67.5 | 0 | 67.4 | 0.1 | 0 | 67.4 | 0.1 | 0 | 67.4 | 0.1 | 0 |
| R176(K1759) | 66.3 | 0 | 67.1 | -0.8 | 0 | 67.1 | -0.8 | 0 | 67 | -0.7 | 0 |
| R177(K1770) | 74.2 | 1 | 65.6 | 8.6 | 1 | 64.5 | 9.7 | 1 | 63.3 | 10.9 | 1 |
| R179(K1879) | 66.4 | 0 | 67.2 | -0.8 | 0 | 67.1 | -0.7 | 0 | 67 | -0.6 | 0 |
| R185(K1820) | 73.6 | 1 | 65.1 | 8.5 | 1 | 63.7 | 9.9 | 1 | 62.7 | 10.9 | 1 |
| R187(K1755) | 65.4 | 1 | 66.2 | -0.8 | 0 | 66.2 | -0.8 | 0 | 66.2 | -0.8 | 0 |
| R189(K1873) | 66.2 | 1 | 66.3 | -0.1 | 0 | 66.3 | -0.1 | 0 | 66.2 | 0 | 0 |
| R190(K1834) | 73.1 | 1 | 65.1 | 8 | 1 | 64 | 9.1 | 1 | 63.4 | 9.7 | 1 |
| R191(K1871) | 66.7 | 1 | 66.7 | 0 | 0 | 66.7 | 0 | 0 | 66.7 | 0 | 0 |
| R194(K1864) | 66.7 | 1 | 67.2 | -0.5 | 0 | 67.1 | -0.4 | 0 | 67.1 | -0.4 | 0 |
| R195(K1844) | 72.3 | 1 | 64.3 | 8 | 1 | 64.1 | 8.2 | 1 | 63.9 | 8.4 | 1 |
| R198(K1850) | 72.1 | 1 | 66.7 | 5.4 | 1 | 66.6 | 5.5 | 1 | 66.5 | 5.6 | 1 |
| R205(K1861) | 72.1 | 2 | 69.1 | 3 | 0 | 69 | 3.1 | 0 | 69 | 3.1 | 0 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B1

| Barrier B1 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 69 | Total Number of Benefited Dwelling Units | 21 | Total Number of Benefited Dwelling Units | 25 | Total Number of Benefited Dwelling Units | 25 |
| Total Number of Impacted Dwelling Units | 65 | Total Number of Benefited Impacted Dwelling Units | 21 | Total Number of Benefited Impacted Dwelling Units | 25 | Total Number of Benefited Impacted Dwelling Units | 25 |
| Barrier Length (feet) | 1,129 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 76.2% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 76.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 84.0% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 32.3% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 38.5% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 38.5% |
| | | Maximum Noise Reduction dB(A) | 11.9 | Maximum Noise Reduction dB(A) | 12.7 | Maximum Noise Reduction dB(A) | 13.4 |
| | | Estimated Total Barrier Cost (\$) | \$677,400 | Estimated Total Barrier Cost (\$) | \$745,140 | Estimated Total Barrier Cost (\$) | \$812,880 |
| | | Cost/Benefit Dwelling Unit | \$32,257 | Cost/Benefit Dwelling Unit | \$29,806 | Cost/Benefit Dwelling Unit | \$32,515 |

Table D2: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B2

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R175(K1915) | 67.5 | 1 | 68.6 | -1.1 | 0 | 68.6 | -1.1 | | 68.6 | -1.1 | 0 |
| R180(K1909) | 68.8 | 1 | 69.3 | -0.5 | 0 | 69.3 | -0.5 | | 69.3 | -0.5 | 0 |
| R188(K1903) | 63.9 | 1 | 66.1 | -2.2 | 0 | 66.1 | -2.2 | | 66 | -2.1 | 0 |
| R203(K1913) | 58.5 | 1 | 61.6 | -3.1 | 0 | 61.6 | -3.1 | | 61.5 | -3 | 0 |
| R204(K1891) | 67.9 | 1 | 69.2 | -1.3 | 0 | 69.2 | -1.3 | | 69.1 | -1.2 | 0 |
| R208(K1764) | 68.7 | 6 | 69.3 | -0.6 | 0 | 69.2 | -0.5 | | 69.1 | -0.4 | 0 |
| R209(K1897) | 65.4 | 1 | 67.1 | -1.7 | 0 | 67 | -1.6 | | 66.9 | -1.5 | 0 |
| R211(K1761) | 71.8 | 1 | 70.8 | 1 | 0 | 70.4 | 1.4 | | 70 | 1.8 | 0 |
| R213(K1905) | 66.1 | 1 | 67.1 | -1 | 0 | 67 | -0.9 | | 66.7 | -0.6 | 0 |
| R215(K1926) | 61.3 | 3 | 62 | -0.7 | 0 | 62 | -0.7 | | 61.9 | -0.6 | 0 |
| R217(K1932) | 59.6 | 1 | 60.3 | -0.7 | 0 | 60.3 | -0.7 | | 60.1 | -0.5 | 0 |
| R219(K1910) | 66.8 | 1 | 67.2 | -0.4 | 0 | 67 | -0.2 | | 66.5 | 0.3 | 0 |
| R221(K1938) | 62.6 | 1 | 63.3 | -0.7 | 0 | 63.3 | -0.7 | | 63.3 | -0.7 | 0 |
| R224(K1919) | 67.8 | 2 | 68.2 | -0.4 | 0 | 68 | -0.2 | | 67.6 | 0.2 | 0 |
| R227(K1944) | 62.5 | 1 | 63.1 | -0.6 | 0 | 63 | -0.5 | | 62.9 | -0.4 | 0 |
| R230(K1927) | 67.9 | 2 | 68.1 | -0.2 | 0 | 67.9 | 0 | | 67.6 | 0.3 | 0 |
| R231(K626) | 60.6 | 3 | 60.9 | -0.3 | 0 | 60.7 | -0.1 | | 60.5 | 0.1 | 0 |
| R236(K1937) | 67.6 | 1 | 68 | -0.4 | 0 | 67.8 | -0.2 | | 67.5 | 0.1 | 0 |
| R237(K620) | 65.8 | 1 | 65.9 | -0.1 | 0 | 65.8 | 0 | | 65.6 | 0.2 | 0 |
| R239(K649) | 52.4 | 0 | 54.5 | -2.1 | 0 | 54.5 | -2.1 | | 54.5 | -2.1 | 0 |
| R240(K1954) | 65.5 | 1 | 65.2 | 0.3 | 0 | 65 | 0.5 | | 64.5 | 1 | 0 |
| R242(K644) | 52.3 | 0 | 54.5 | -2.2 | 0 | 54.5 | -2.2 | | 54.4 | -2.1 | 0 |
| R243(K1948) | 67.9 | 1 | 66.9 | 1 | 0 | 66.3 | 1.6 | | 65.7 | 2.2 | 0 |
| R246(K1963) | 64.7 | 1 | 64.4 | 0.3 | 0 | 63.9 | 0.8 | | 63.4 | 1.3 | 0 |
| R247(K643) | 51.8 | 0 | 53.9 | -2.1 | 0 | 53.9 | -2.1 | | 53.9 | -2.1 | 0 |

Table D2: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B2

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-----------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R249(K1947) | 69.4 | 3 | 66.9 | 2.5 | 0 | 66.2 | 3.2 | 0 | 64.9 | 4.5 | 0 |
| R250(K642) | 54.6 | 0 | 55.9 | -1.3 | 0 | 55.9 | -1.3 | 0 | 55.8 | -1.2 | 0 |
| R251(K1966) | 62.1 | 0 | 59.9 | 2.2 | 0 | 59.2 | 2.9 | 0 | 58.1 | 4 | 0 |
| R256(K641) | 57.5 | 0 | 58 | -0.5 | 0 | 57.8 | -0.3 | 0 | 57.6 | -0.1 | 0 |
| R258(K614) | 68.3 | 1 | 67.5 | 0.8 | 0 | 67.1 | 1.2 | 0 | 66.3 | 2 | 0 |
| R259(K639) | 65 | 0 | 65.1 | -0.1 | 0 | 64.9 | 0.1 | 0 | 64.7 | 0.3 | 0 |
| R262(K613) | 69.2 | 1 | 67.7 | 1.5 | 0 | 66.9 | 2.3 | 0 | 66.1 | 3.1 | 0 |
| R266(K610) | 69.6 | 1 | 67.2 | 2.4 | 0 | 66.3 | 3.3 | 0 | 65.3 | 4.3 | 0 |
| R267(K608) | 70.3 | 1 | 66.7 | 3.6 | 0 | 65.7 | 4.6 | 0 | 64.5 | 5.8 | 1 |
| R269(K607) | 71 | 1 | 66.5 | 4.5 | 0 | 65.6 | 5.4 | 1 | 64.6 | 6.4 | 1 |
| R270(K606 R-50) | 71.6 | 1 | 64.6 | 7 | 1 | 63.7 | 7.9 | 1 | 63 | 8.6 | 1 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B2

| Barrier B2 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-----|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 42 | Total Number of Benefited Dwelling Units | 1 | Total Number of Benefited Dwelling Units | 2 | Total Number of Benefited Dwelling Units | 3 |
| Total Number of Impacted Dwelling Units | 26 | Total Number of Benefited Impacted Dwelling Units | 1 | Total Number of Benefited Impacted Dwelling Units | 2 | Total Number of Benefited Impacted Dwelling Units | 3 |
| Barrier Length (feet) | 593 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 100.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 50.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 33.3% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 3.8% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 7.7% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 11.5% |
| | | Maximum Noise Reduction dB(A) | 7 | Maximum Noise Reduction dB(A) | 7.9 | Maximum Noise Reduction dB(A) | 8.6 |
| | | Estimated Total Barrier Cost (\$) | \$355,800 | Estimated Total Barrier Cost (\$) | \$391,380 | Estimated Total Barrier Cost (\$) | \$426,960 |
| | | Cost/Benefit Dwelling Unit | \$355,800 | Cost/Benefit Dwelling Unit | \$195,690 | Cost/Benefit Dwelling Unit | \$142,320 |

Table D3: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B3

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R272(K722) | 67.7 | 0 | 66.9 | 0.8 | 0 | 66.9 | 0.8 | 0 | 66.9 | 0.8 | 0 |
| R273(K729) | 67.3 | 0 | 66.4 | 0.9 | 0 | 66.4 | 0.9 | 0 | 66.4 | 0.9 | 0 |
| R275(K720) | 66.3 | 0 | 65.7 | 0.6 | 0 | 65.7 | 0.6 | 0 | 65.7 | 0.6 | 0 |
| R277(K680) | 71.9 | 25 | 71.6 | 0.3 | 0 | 71.5 | 0.4 | 0 | 71.5 | 0.4 | 0 |
| M-24(K655) | 72.4 | 1 | 71.6 | 0.8 | 0 | 71.5 | 0.9 | 0 | 71.5 | 0.9 | 0 |
| R282(K730) | 60.2 | 6 | 60.3 | -0.1 | 0 | 60.3 | -0.1 | 0 | 58.5 | 1.7 | 0 |
| R283(K735) | 59.6 | 0 | 59.6 | 0 | 0 | 59.6 | 0 | 0 | 57.8 | 1.8 | 0 |
| R285(K755) | 59.1 | 0 | 59.2 | -0.1 | 0 | 59.2 | -0.1 | 0 | 57.6 | 1.5 | 0 |
| R287(K645) | 73.7 | 1 | 71.7 | 2 | 0 | 71.6 | 2.1 | 0 | 71.5 | 2.2 | 0 |
| R288(K715) | 64.9 | 0 | 62.2 | 2.7 | 0 | 61.3 | 3.6 | 0 | 60.4 | 4.5 | 0 |
| R293(K699) | 66.4 | 1 | 65 | 1.4 | 0 | 64.5 | 1.9 | 0 | 64.1 | 2.3 | 0 |
| R295(K791) | 60.7 | 1 | 60.7 | 0 | 0 | 60.7 | 0 | 0 | 60.7 | 0 | 0 |
| R297(K909) | 61.5 | 5 | 61.5 | 0 | 0 | 61.5 | 0 | 0 | 61.1 | 0.4 | 0 |
| R298(K784) | 61.1 | 1 | 61 | 0.1 | 0 | 61 | 0.1 | 0 | 61 | 0.1 | 0 |
| R300(K775) | 53.4 | 1 | 53.4 | 0 | 0 | 53.4 | 0 | 0 | 53.4 | 0 | 0 |
| R301(K782) | 58.2 | 1 | 58.2 | 0 | 0 | 58.2 | 0 | 0 | 58.2 | 0 | 0 |
| R302(K966) | 48.7 | 0 | 48.6 | 0.1 | 0 | 48.6 | 0.1 | 0 | 48.6 | 0.1 | 0 |
| R303(K687) | 75.1 | 1 | 71.2 | 3.9 | 0 | 69.3 | 5.8 | 1 | 68 | 7.1 | 1 |
| R304(K963) | 60.9 | 0 | 60.9 | 0 | 0 | 60.9 | 0 | 0 | 60.6 | 0.3 | 0 |
| R307(K759) | 55.3 | 1 | 55.3 | 0 | 0 | 55.3 | 0 | 0 | 55.3 | 0 | 0 |
| R309(K779) | 63.3 | 3 | 63.3 | 0 | 0 | 63.1 | 0.2 | 0 | 62.7 | 0.6 | 0 |
| R311(K692) | 69.7 | 1 | 69.5 | 0.2 | 0 | 68.2 | 1.5 | 0 | 67.4 | 2.3 | 0 |
| R312(K950) | 61.3 | 0 | 61.3 | 0 | 0 | 61.3 | 0 | 0 | 61 | 0.3 | 0 |
| R315(K942) | 61.2 | 0 | 61.2 | 0 | 0 | 61.2 | 0 | 0 | 60.2 | 1 | 0 |
| R316(K935) | 61.8 | 0 | 61.8 | 0 | 0 | 61.8 | 0 | 0 | 60.7 | 1.1 | 0 |

Table D3: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B3

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R317(K923) | 61 | 0 | 61.1 | -0.1 | 0 | 60.8 | 0.2 | 0 | 60.2 | 0.8 | 0 |
| R318(K926) | 61.3 | 0 | 61.4 | -0.1 | 0 | 61.4 | -0.1 | 0 | 60.2 | 1.1 | 0 |
| R319(K737) | 66.4 | 1 | 66.4 | 0 | 0 | 66.2 | 0.2 | 0 | 65.6 | 0.8 | 0 |
| R320(K756) | 65.8 | 1 | 65.8 | 0 | 0 | 65.7 | 0.1 | 0 | 65.1 | 0.7 | 0 |
| R321(K916) | 60.5 | 0 | 60.5 | 0 | 0 | 60.3 | 0.2 | 0 | 60 | 0.5 | 0 |
| R323(K733) | 66.8 | 1 | 66.5 | 0.3 | 0 | 66.4 | 0.4 | 0 | 66.2 | 0.6 | 0 |
| R324(K745) | 68.1 | 1 | 67.6 | 0.5 | 0 | 66.8 | 1.3 | 0 | 66.1 | 2 | 0 |
| R326(K915) | 61.5 | 1 | 61.5 | 0 | 0 | 61.3 | 0.2 | 0 | 60.9 | 0.6 | 0 |
| R329(K736) | 68.8 | 1 | 68 | 0.8 | 0 | 66.9 | 1.9 | 0 | 65.7 | 3.1 | 0 |
| R331(K717) | 69.3 | 1 | 67.5 | 1.8 | 0 | 66.2 | 3.1 | 0 | 65.5 | 3.8 | 0 |
| R332(K910) | 62 | 1 | 61.8 | 0.2 | 0 | 61.6 | 0.4 | 0 | 60.8 | 1.2 | 0 |
| R337(K587) | 62.2 | 1 | 61.7 | 0.5 | 0 | 61.3 | 0.9 | 0 | 60.5 | 1.7 | 0 |
| R338(K718) | 71.4 | 1 | 64.5 | 6.9 | 1 | 64.4 | 7 | 1 | 63.7 | 7.7 | 1 |
| R339(K583) | 61.9 | 1 | 61.2 | 0.7 | 0 | 60.6 | 1.3 | 0 | 59.8 | 2.1 | 0 |
| R340(K576) | 62.8 | 1 | 61.6 | 1.2 | 0 | 61.1 | 1.7 | 0 | 60.6 | 2.2 | 0 |
| R341(K568) | 64.8 | 1 | 62.5 | 2.3 | 0 | 61.8 | 3 | 0 | 60.5 | 4.3 | 0 |
| R342(K573) | 63.1 | 1 | 61.5 | 1.6 | 0 | 60.5 | 2.6 | 0 | 60.2 | 2.9 | 0 |
| R343(K785) | 69.6 | 2 | 61.8 | 7.8 | 2 | 61.1 | 8.5 | 2 | 61 | 8.6 | 2 |
| R345(K857) | 64.1 | 1 | 61.2 | 2.9 | 0 | 60 | 4.1 | 0 | 58.9 | 5.2 | 1 |
| R349(K714) | 74.2 | 2 | 62.1 | 12.1 | 2 | 61.9 | 12.3 | 2 | 61.7 | 12.5 | 2 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B3

| Barrier B3 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-----|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 68 | Total Number of Benefited Dwelling Units | 5 | Total Number of Benefited Dwelling Units | 6 | Total Number of Benefited Dwelling Units | 7 |
| Total Number of Impacted Dwelling Units | 41 | Total Number of Benefited Impacted Dwelling Units | 5 | Total Number of Benefited Impacted Dwelling Units | 6 | Total Number of Benefited Impacted Dwelling Units | 6 |
| Barrier Length (feet) | 491 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 80.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 83.3% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 85.7% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 12.2% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 14.6% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 14.6% |
| | | Maximum Noise Reduction dB(A) | 12.1 | Maximum Noise Reduction dB(A) | 12.3 | Maximum Noise Reduction dB(A) | 12.5 |
| | | Estimated Total Barrier Cost (\$) | \$294,600 | Estimated Total Barrier Cost (\$) | \$324,060 | Estimated Total Barrier Cost (\$) | \$353,520 |
| | | Cost/Benefit Dwelling Unit | \$58,920 | Cost/Benefit Dwelling Unit | \$54,010 | Cost/Benefit Dwelling Unit | \$50,503 |

Table D4: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B4

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R386(K988) | 51.4 | 0 | 51.3 | 0.1 | 0 | 51.3 | 0.1 | 0 | 51.4 | 0 | 0 |
| R387(K978) | 51.5 | 0 | 51.4 | 0.1 | 0 | 51.4 | 0.1 | 0 | 52.3 | -0.8 | 0 |
| R388(K997) | 53.6 | 0 | 53.5 | 0.1 | 0 | 53.5 | 0.1 | 0 | 53.5 | 0.1 | 0 |
| R389(K987) | 59 | 0 | 58.2 | 0.8 | 0 | 56.9 | 2.1 | 0 | 56.1 | 2.9 | 0 |
| R390(K995) | 58.3 | 0 | 58.3 | 0 | 0 | 56.7 | 1.6 | 0 | 56.2 | 2.1 | 0 |
| R391(K980) | 59.4 | 6 | 57.4 | 2 | 0 | 56.4 | 3 | 0 | 55.6 | 3.8 | 0 |
| R392(K1012) | 58.3 | 0 | 58.2 | 0.1 | 0 | 58 | 0.3 | 0 | 57.4 | 0.9 | 0 |
| R393(K811) | 60.6 | 0 | 60.3 | 0.3 | 0 | 60.1 | 0.5 | 0 | 59.9 | 0.7 | 0 |
| R394(K959) | 61.9 | 1 | 60.1 | 1.8 | 0 | 59 | 2.9 | 0 | 57.9 | 4 | 0 |
| R395(K971) | 61.2 | 1 | 59.4 | 1.8 | 0 | 58.4 | 2.8 | 0 | 57.3 | 3.9 | 0 |
| R396(KV811) | 67.9 | 0 | 67.8 | 0.1 | 0 | 67.8 | 0.1 | 0 | 67.7 | 0.2 | 0 |
| R397(K802) | 64.3 | 0 | 64.3 | 0 | 0 | 64 | 0.3 | 0 | 63.9 | 0.4 | 0 |
| R398(K804) | 62.8 | 0 | 62.8 | 0 | 0 | 62.7 | 0.1 | 0 | 62.7 | 0.1 | 0 |
| R399(K961) | 64.5 | 1 | 61.6 | 2.9 | 0 | 60.4 | 4.1 | 0 | 58.9 | 5.6 | 1 |
| R400(K949) | 67.7 | 1 | 63.8 | 3.9 | 0 | 62.1 | 5.6 | 1 | 60.6 | 7.1 | 1 |
| R401(K798) | 64.3 | 0 | 64.3 | 0 | 0 | 64.1 | 0.2 | 0 | 63.9 | 0.4 | 0 |
| R402(K796) | 64.5 | 0 | 64.4 | 0.1 | 0 | 64.1 | 0.4 | 0 | 63.9 | 0.6 | 0 |
| R403(K931) | 69.6 | 1 | 65.2 | 4.4 | 0 | 63.5 | 6.1 | 1 | 62 | 7.6 | 1 |
| R404(K1019) | 64 | 2 | 64 | 0 | 0 | 63.6 | 0.4 | 0 | 63.3 | 0.7 | 0 |
| R405(K1016) | 64.1 | 2 | 63.8 | 0.3 | 0 | 63.3 | 0.8 | 0 | 62.9 | 1.2 | 0 |
| R406(K928) | 71.1 | 1 | 67.3 | 3.8 | 0 | 65.7 | 5.4 | 1 | 64.3 | 6.8 | 1 |
| R407(K1013) | 63.7 | 2 | 63.2 | 0.5 | 0 | 61.9 | 1.8 | 0 | 61.3 | 2.4 | 0 |
| R408(K834) | 63.6 | 1 | 64.9 | -1.3 | 0 | 64.8 | -1.2 | 0 | 64.5 | -0.9 | 0 |
| R409(K1010) | 64.3 | 2 | 63.1 | 1.2 | 0 | 61.3 | 3 | 0 | 60.3 | 4 | 0 |
| R410(K1009) | 65.5 | 2 | 63.9 | 1.6 | 0 | 62 | 3.5 | 0 | 60.8 | 4.7 | 0 |

Table D4: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B4

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R411(K989) | 68.6 | 1 | 67.1 | 1.5 | 0 | 66 | 2.6 | 0 | 64.4 | 4.2 | 0 |
| R413(K833) | 64.5 | 2 | 65.6 | -1.1 | 0 | 65.6 | -1.1 | 0 | 65.4 | -0.9 | 0 |
| R414(K1005) | 70.4 | 1 | 68.6 | 1.8 | 0 | 67.5 | 2.9 | 0 | 66.3 | 4.1 | 0 |
| R415(K829) | 65.9 | 1 | 66.6 | -0.7 | 0 | 66.5 | -0.6 | 0 | 66.3 | -0.4 | 0 |
| R416(K1032) | 57.7 | 1 | 57.9 | -0.2 | 0 | 57.9 | -0.2 | 0 | 57.8 | -0.1 | 0 |
| R417(K999) | 72.8 | 1 | 68.5 | 4.3 | 0 | 67.2 | 5.6 | 1 | 66.1 | 6.7 | 1 |
| R418(K847) | 64.8 | 1 | 65.5 | -0.7 | 0 | 65.4 | -0.6 | 0 | 65.2 | -0.4 | 0 |
| R419(K828) | 66.3 | 1 | 66.9 | -0.6 | 0 | 66.9 | -0.6 | 0 | 66.6 | -0.3 | 0 |
| R420(K1038) | 57.7 | 1 | 57.9 | -0.2 | 0 | 57.9 | -0.2 | 0 | 57.8 | -0.1 | 0 |
| R424(K825) | 66.8 | 1 | 67.3 | -0.5 | 0 | 67.2 | -0.4 | 0 | 67 | -0.2 | 0 |
| R426(K824) | 67.7 | 1 | 68 | -0.3 | 0 | 68 | -0.3 | 0 | 67.8 | -0.1 | 0 |
| R427(K821) | 67.7 | 1 | 68.1 | -0.4 | 0 | 68.1 | -0.4 | 0 | 67.9 | -0.2 | 0 |
| R428(K1048) | 59.2 | 1 | 59.4 | -0.2 | 0 | 59.4 | -0.2 | 0 | 59.4 | -0.2 | 0 |
| R429(K850) | 67.8 | 1 | 68.2 | -0.4 | 0 | 68.1 | -0.3 | 0 | 67.6 | 0.2 | 0 |
| R432(K1054) | 61.9 | 1 | 62.1 | -0.2 | 0 | 62.1 | -0.2 | 0 | 62 | -0.1 | 0 |
| R433(K1020) | 68.1 | 2 | 68.4 | -0.3 | 0 | 68.2 | -0.1 | 0 | 67.6 | 0.5 | 0 |
| R434(K817) | 68.8 | 1 | 69.1 | -0.3 | 0 | 69 | -0.2 | 0 | 68.8 | 0 | 0 |
| R435(K864) | 64.7 | 1 | 65 | -0.3 | 0 | 65 | -0.3 | 0 | 64.8 | -0.1 | 0 |
| R436(K1026) | 68.7 | 1 | 68.9 | -0.2 | 0 | 68.6 | 0.1 | 0 | 68 | 0.7 | 0 |
| R438(K812) | 68.3 | 1 | 68.7 | -0.4 | 0 | 68.6 | -0.3 | 0 | 68.3 | 0 | 0 |
| R440(K813) | 68.9 | 1 | 69.2 | -0.3 | 0 | 69.1 | -0.2 | 0 | 68.7 | 0.2 | 0 |
| R441(K1030) | 68.7 | 1 | 68.8 | -0.1 | 0 | 68.5 | 0.2 | 0 | 67.8 | 0.9 | 0 |
| R443(K806) | 72.4 | 1 | 71.6 | 0.8 | 0 | 70.7 | 1.7 | 0 | 69.5 | 2.9 | 0 |
| R444(K814) | 72.1 | 1 | 72.2 | -0.1 | 0 | 71.6 | 0.5 | 0 | 70.5 | 1.6 | 0 |
| R445(K1035) | 68.6 | 2 | 68.8 | -0.2 | 0 | 68.4 | 0.2 | 0 | 67.8 | 0.8 | 0 |

Table D4: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B4

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R654(K1039) | 66.1 | 1 | 71.3 | -5.2 | 0 | 70 | -3.9 | 0 | 68.8 | -2.7 | 0 |
| R448(K799) | 72.8 | 1 | 70.1 | 2.7 | 0 | 68.6 | 4.2 | 0 | 67.4 | 5.4 | 1 |
| R449(K872) | 62.7 | 1 | 62.6 | 0.1 | 0 | 62.6 | 0.1 | 0 | 62.5 | 0.2 | 0 |
| R451(KV903) | 70.4 | 1 | 70.2 | 0.2 | 0 | 70 | 0.4 | 0 | 69.9 | 0.5 | 0 |
| R453(K797) | 72.6 | 1 | 68.9 | 3.7 | 0 | 67.9 | 4.7 | 0 | 66.6 | 6 | 1 |
| R455(K1017) | 73.1 | 1 | 66.9 | 6.2 | 1 | 65.9 | 7.2 | 1 | 64.9 | 8.2 | 1 |
| R458(K875) | 61.1 | 1 | 61.9 | -0.8 | 0 | 61.5 | -0.4 | 0 | 61 | 0.1 | 0 |
| R459(K1043) | 68.6 | 2 | 68.7 | -0.1 | 0 | 68.2 | 0.4 | 0 | 67.6 | 1 | 0 |
| R466(K1050) | 68.8 | 2 | 68.8 | 0 | 0 | 68.2 | 0.6 | 0 | 67.7 | 1.1 | 0 |
| R472(KV903) | 70.9 | 1 | 70.7 | 0.2 | 0 | 70.5 | 0.4 | 0 | 70.4 | 0.5 | 0 |
| R480(K861) | 69.2 | 2 | 69.4 | -0.2 | 0 | 68.9 | 0.3 | 0 | 68.2 | 1 | 0 |
| R485(KV1061) | 71.2 | 1 | 71 | 0.2 | 0 | 70.8 | 0.4 | 0 | 70.6 | 0.6 | 0 |
| R488(K863) | 69.7 | 1 | 69.8 | -0.1 | 0 | 69.4 | 0.3 | 0 | 68.9 | 0.8 | 0 |
| R498(K869) | 69.8 | 2 | 69.9 | -0.1 | 0 | 69.4 | 0.4 | 0 | 68.9 | 0.9 | 0 |
| R513(K899) | 63.5 | 1 | 63.5 | 0 | 0 | 63.5 | 0 | 0 | 63.3 | 0.2 | 0 |
| R521(KV1061) | 71.7 | 1 | 71.5 | 0.2 | 0 | 71.3 | 0.4 | 0 | 71.1 | 0.6 | 0 |
| R524(K881) | 66.2 | 1 | 66.4 | -0.2 | 0 | 66.4 | -0.2 | 0 | 66.3 | -0.1 | 0 |
| R528(K903) | 63.3 | 1 | 63 | 0.3 | 0 | 62.4 | 0.9 | 0 | 62.2 | 1.1 | 0 |
| R534(K879) | 71.1 | 1 | 70.8 | 0.3 | 0 | 70.5 | 0.6 | 0 | 69.8 | 1.3 | 0 |
| M-28(K879) | 76 | 1 | 76 | 0 | 0 | 75.9 | 0.1 | 0 | 75.8 | 0.2 | 0 |
| R543(K886) | 69.9 | 2 | 68 | 1.9 | 0 | 67.2 | 2.7 | 0 | 66.2 | 3.7 | 0 |
| R549(KV1077) | 72 | 1 | 71.8 | 0.2 | 0 | 71.6 | 0.4 | 0 | 71.4 | 0.6 | 0 |
| R574(K891) | 72.9 | 1 | 71.6 | 1.3 | 0 | 71.1 | 1.8 | 0 | 70.3 | 2.6 | 0 |
| R582(K1061) | 64.6 | 1 | 64.4 | 0.2 | 0 | 64.2 | 0.4 | 0 | 64.1 | 0.5 | 0 |
| R588(KV1089) | 72.7 | 1 | 72.6 | 0.1 | 0 | 72.3 | 0.4 | 0 | 72.2 | 0.5 | 0 |

Table D4: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B4

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R603(K904) | 73.8 | 1 | 71.8 | 2 | 0 | 71.1 | 2.7 | 0 | 70 | 3.8 | 0 |
| R622(K907) | 74 | 1 | 71.4 | 2.6 | 0 | 70.5 | 3.5 | 0 | 69.2 | 4.8 | 0 |
| R628(K1077) | 68.6 | 1 | 67.3 | 1.3 | 0 | 66.8 | 1.8 | 0 | 66.6 | 2 | 0 |
| R630(K1058) | 74.4 | 1 | 71.5 | 2.9 | 0 | 70.3 | 4.1 | 0 | 69.1 | 5.3 | 1 |
| R632(K1079) | 70.5 | 1 | 68.5 | 2 | 0 | 68 | 2.5 | 0 | 67.6 | 2.9 | 0 |
| R635(K1062) | 74.8 | 1 | 71.7 | 3.1 | 0 | 70.4 | 4.4 | 0 | 69.1 | 5.7 | 1 |
| R638(K1065) | 75.4 | 1 | 72.1 | 3.3 | 0 | 70.8 | 4.6 | 0 | 69.8 | 5.6 | 1 |
| R639(K1089) | 73.6 | 1 | 71 | 2.6 | 0 | 70.3 | 3.3 | 0 | 69.7 | 3.9 | 0 |
| R640(K1069) | 75.8 | 1 | 72.6 | 3.2 | 0 | 71.4 | 4.4 | 0 | 70.4 | 5.4 | 1 |
| R642(K1075 R-54) | 76.5 | 1 | 73.4 | 3.1 | 0 | 72.3 | 4.2 | 0 | 71.2 | 5.3 | 1 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B4

| Barrier B4 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 91 | Total Number of Benefited Dwelling Units | 1 | Total Number of Benefited Dwelling Units | 5 | Total Number of Benefited Dwelling Units | 13 |
| Total Number of Impacted Dwelling Units | 60 | Total Number of Benefited Impacted Dwelling Units | 1 | Total Number of Benefited Impacted Dwelling Units | 5 | Total Number of Benefited Impacted Dwelling Units | 12 |
| Barrier Length (feet) | 1,257 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 0.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 20.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 23.1% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 1.7% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 8.3% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 20.0% |
| | | Maximum Noise Reduction dB(A) | 6.2 | Maximum Noise Reduction dB(A) | 7.2 | Maximum Noise Reduction dB(A) | 8.2 |
| | | Estimated Total Barrier Cost (\$) | \$754,200 | Estimated Total Barrier Cost (\$) | \$829,620 | Estimated Total Barrier Cost (\$) | \$905,040 |
| | | Cost/Benefit Dwelling Unit | \$754,200 | Cost/Benefit Dwelling Unit | \$165,924 | Cost/Benefit Dwelling Unit | \$69,618 |

Table D5: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B5

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R721(K1381) | 61.5 | 0 | 62.3 | -0.8 | 0 | 62.2 | -0.7 | 0 | 62.2 | -0.7 | 0 |
| R722(K1404) | 62.1 | 0 | 60.1 | 2 | 0 | 59.8 | 2.3 | 0 | 59.6 | 2.5 | 0 |
| R723(K1405) | 62.9 | 1 | 59.5 | 3.4 | 0 | 59.4 | 3.5 | 0 | 59.3 | 3.6 | 0 |
| R724(K1415) | 58.5 | 1 | 55.8 | 2.7 | 0 | 55.4 | 3.1 | 0 | 55.3 | 3.2 | 0 |
| R728(K1419) | 61.3 | 1 | 57.9 | 3.4 | 0 | 57.8 | 3.5 | 0 | 57.6 | 3.7 | 0 |
| R729(K1422) | 61.8 | 1 | 58.6 | 3.2 | 0 | 58.4 | 3.4 | 0 | 58.2 | 3.6 | 0 |
| R731(K1429) | 61.4 | 1 | 58.5 | 2.9 | 0 | 58.2 | 3.2 | 0 | 58 | 3.4 | 0 |
| R732(K65) | 63.1 | 1 | 59.1 | 4 | 0 | 58.9 | 4.2 | 0 | 58.8 | 4.3 | 0 |
| R738(K1412) | 66.8 | 1 | 61.6 | 5.2 | 1 | 60.7 | 6.1 | 1 | 60.1 | 6.7 | 1 |
| R739(K1424) | 66.9 | 1 | 59.6 | 7.3 | 1 | 59 | 7.9 | 1 | 58.6 | 8.3 | 1 |
| R740(K1454) | 66.1 | 1 | 60.6 | 5.5 | 1 | 60.4 | 5.7 | 1 | 60.3 | 5.8 | 1 |
| R742(K1450) | 63.9 | 0 | 59.1 | 4.8 | 0 | 58.9 | 5 | 0 | 58.8 | 5.1 | 0 |
| R746(K1458) | 68.9 | 1 | 63.6 | 5.3 | 1 | 63.5 | 5.4 | 1 | 63.4 | 5.5 | 1 |
| R750(K1435) | 70.1 | 1 | 59.8 | 10.3 | 1 | 59.2 | 10.9 | 1 | 58.7 | 11.4 | 1 |
| R751(K1427) | 70.1 | 1 | 61.2 | 8.9 | 1 | 60.4 | 9.7 | 1 | 59.7 | 10.4 | 1 |
| R752(K1438) | 71 | 1 | 60.5 | 10.5 | 1 | 59.8 | 11.2 | 1 | 59.2 | 11.8 | 1 |
| R753(K1472) | 68.3 | 26 | 63.1 | 5.2 | 26 | 63 | 5.3 | 26 | 62.9 | 5.4 | 26 |
| R758(K1448) | 72 | 1 | 61.7 | 10.3 | 1 | 60.9 | 11.1 | 1 | 60.3 | 11.7 | 1 |
| R760(K1433) | 70.6 | 1 | 61.7 | 8.9 | 1 | 61.1 | 9.5 | 1 | 60.5 | 10.1 | 1 |
| R762(K1455) | 73.7 | 1 | 62.6 | 11.1 | 1 | 61.7 | 12 | 1 | 61.2 | 12.5 | 1 |
| R765(K1459) | 75 | 1 | 63 | 12 | 1 | 62.2 | 12.8 | 1 | 61.6 | 13.4 | 1 |
| R768(K1437) | 72.8 | 1 | 61.8 | 11 | 1 | 61.3 | 11.5 | 1 | 60.8 | 12 | 1 |
| R773(KV1469) | 75.1 | 1 | 62.7 | 12.4 | 1 | 62.3 | 12.8 | 1 | 61.9 | 13.2 | 1 |
| R781(K1456) | 77.2 | 1 | 62.1 | 15.1 | 1 | 61.6 | 15.6 | 1 | 61 | 16.2 | 1 |
| M-46(K1469) | 78.6 | 1 | 63.1 | 15.5 | 1 | 62.3 | 16.3 | 1 | 61.6 | 17 | 1 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B5

| Barrier B5 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|------|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 47 | Total Number of Benefited Dwelling Units | 41 | Total Number of Benefited Dwelling Units | 41 | Total Number of Benefited Dwelling Units | 41 |
| Total Number of Impacted Dwelling Units | 15 | Total Number of Benefited Impacted Dwelling Units | 15 | Total Number of Benefited Impacted Dwelling Units | 15 | Total Number of Benefited Impacted Dwelling Units | 15 |
| Barrier Length (feet) | 1041 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 29.3% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 29.3% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 29.3% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 100.0% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 100.0% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 100.0% |
| | | Maximum Noise Reduction dB(A) | 15.5 | Maximum Noise Reduction dB(A) | 16.3 | Maximum Noise Reduction dB(A) | 17 |
| | | Estimated Total Barrier Cost (\$) | \$624,600 | Estimated Total Barrier Cost (\$) | \$687,060 | Estimated Total Barrier Cost (\$) | \$749,520 |
| | | Cost/Benefit Dwelling Unit | \$15,234 | Cost/Benefit Dwelling Unit | \$16,758 | Cost/Benefit Dwelling Unit | \$18,281 |

Table D6: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B6

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R709(K1471) | 64.7 | 6 | 63.3 | 1.4 | 0 | 63.2 | 1.5 | 0 | 63.1 | 1.6 | 0 |
| R710(K64) | 63.3 | 1 | 60 | 3.3 | 0 | 59.7 | 3.6 | 0 | 59.5 | 3.8 | 0 |
| R711(K1474) | 65.7 | 1 | 62 | 3.7 | 0 | 61.5 | 4.2 | 0 | 61.3 | 4.4 | 0 |
| R714(K1493) | 71.1 | 4 | 66.2 | 4.9 | 0 | 65.8 | 5.3 | 4 | 65.5 | 5.6 | 4 |
| R715(K1481) | 68.2 | 1 | 61.3 | 6.9 | 1 | 60.6 | 7.6 | 1 | 59.9 | 8.3 | 1 |
| R717(K1266) | 74.3 | 0 | 74.3 | 0 | 0 | 74.3 | 0 | 0 | 74.3 | 0 | 0 |
| R726(K1487) | 70 | 1 | 62.3 | 7.7 | 1 | 61.5 | 8.5 | 1 | 60.7 | 9.3 | 1 |
| R734(K1201) | 74.3 | 6 | 66.5 | 7.8 | 6 | 65.9 | 8.4 | 6 | 65.4 | 8.9 | 6 |
| R744(K1497) | 72.4 | 1 | 65.2 | 7.2 | 1 | 64.3 | 8.1 | 1 | 63.7 | 8.7 | 1 |
| R755(K1488) | 72 | 1 | 65 | 7 | 1 | 64.2 | 7.8 | 1 | 63.4 | 8.6 | 1 |
| R779(K1195) | 71.7 | 1 | 64.8 | 6.9 | 1 | 63.9 | 7.8 | 1 | 63.2 | 8.5 | 1 |
| R801(K1205) | 69.2 | 1 | 64.2 | 5 | 1 | 63.7 | 5.5 | 1 | 63.2 | 6 | 1 |
| M-48(K37) | 62.4 | 1 | 61.1 | 1.3 | 0 | 61 | 1.4 | 0 | 60.6 | 1.8 | 0 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B6

| Barrier B6 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-----------|--|-----------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 26 | Total Number of Benefited Dwelling Units | 12 | Total Number of Benefited Dwelling Units | 16 | Total Number of Benefited Dwelling Units | 16 |
| Total Number of Impacted Dwelling Units | 17 | Total Number of Benefited Impacted Dwelling Units | 12 | Total Number of Benefited Impacted Dwelling Units | 16 | Total Number of Benefited Impacted Dwelling Units | 16 |
| Barrier Length (feet) | 1,453 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 75.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 68.8% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 68.8% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 70.6% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 94.1% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 94.1% |
| | | Maximum Noise Reduction dB(A) | 7.8 | Maximum Noise Reduction dB(A) | 8.5 | Maximum Noise Reduction dB(A) | 9.3 |
| | | Estimated Total Barrier Cost (\$) | \$871,800 | Estimated Total Barrier Cost (\$) | \$958,980 | Estimated Total Barrier Cost (\$) | \$1,046,160 |
| | | Cost/Benefit Dwelling Unit | \$72,650 | Cost/Benefit Dwelling Unit | \$59,936 | Cost/Benefit Dwelling Unit | \$65,385 |

Table D7: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B7

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R748(K2091) | 78.5 | 1 | 76.3 | 2.2 | 0 | 76 | 2.5 | 0 | 75.1 | 3.4 | 0 |
| R749(K1767) | 78 | 1 | 75.3 | 2.7 | 0 | 74.1 | 3.9 | 0 | 71.3 | 6.7 | 1 |
| R756(K2109B) | 77.7 | 1 | 75.5 | 2.2 | 0 | 75.3 | 2.4 | 0 | 73.6 | 4.1 | 0 |
| R757(K2105) | 75.2 | 1 | 64 | 11.2 | 1 | 63.5 | 11.7 | 1 | 62.9 | 12.3 | 1 |
| R764(KV2092) | 75.1 | 1 | 70.7 | 4.4 | 0 | 68.8 | 6.3 | 1 | 67.1 | 8 | 1 |
| R766(K2085) | 76.4 | 6 | 69.9 | 6.5 | 6 | 68.1 | 8.3 | 6 | 66.2 | 10.2 | 6 |
| R769(K2119) | 73.5 | 1 | 63 | 10.5 | 1 | 62.2 | 11.3 | 1 | 61.5 | 12 | 1 |
| R771(K2101) | 70.1 | 1 | 62.7 | 7.4 | 1 | 61.2 | 8.9 | 1 | 60.5 | 9.6 | 1 |
| R772(K2109E) | 74.4 | 1 | 68.5 | 5.9 | 1 | 65.7 | 8.7 | 1 | 64.1 | 10.3 | 1 |
| R776(K2087) | 73.4 | 1 | 68.5 | 4.9 | 0 | 67.4 | 6 | 1 | 65.5 | 7.9 | 1 |
| R777(K2106) | 71.8 | 1 | 69 | 2.8 | 0 | 68 | 3.8 | 0 | 66.4 | 5.4 | 1 |
| R778(K2104) | 72.7 | 1 | 70.8 | 1.9 | 0 | 69.3 | 3.4 | 0 | 67.4 | 5.3 | 1 |
| R783(K1722C) | 71.8 | 1 | 64.5 | 7.3 | 1 | 64.2 | 7.6 | 1 | 63.9 | 7.9 | 1 |
| R784(K1769) | 71.1 | 1 | 65.5 | 5.6 | 1 | 64 | 7.1 | 1 | 61.9 | 9.2 | 1 |
| R785(K2083) | 77.9 | 1 | 73.5 | 4.4 | 0 | 71.4 | 6.5 | 1 | 68.9 | 9 | 1 |
| R787(K2122) | 70.8 | 1 | 61.8 | 9 | 1 | 60.7 | 10.1 | 1 | 59.8 | 11 | 1 |
| R788(K1722B) | 71 | 1 | 65 | 6 | 1 | 64.7 | 6.3 | 1 | 64.5 | 6.5 | 1 |
| R797(K2124) | 70.8 | 1 | 61.1 | 9.7 | 1 | 60.3 | 10.5 | 1 | 59.4 | 11.4 | 1 |
| R800(K2086) | 74.6 | 1 | 67.9 | 6.7 | 1 | 65.3 | 9.3 | 1 | 63 | 11.6 | 1 |
| R808(K2109) | 66.5 | 1 | 62.4 | 4.1 | 0 | 60.1 | 6.4 | 1 | 58.6 | 7.9 | 1 |
| R811(K2095) | 69.6 | 1 | 64.1 | 5.5 | 1 | 62.3 | 7.3 | 1 | 60.5 | 9.1 | 1 |
| R813(K2114) | 67.8 | 1 | 59.9 | 7.9 | 1 | 59.3 | 8.5 | 1 | 58.8 | 9 | 1 |
| R814(K2125) | 68.4 | 1 | 62.1 | 6.3 | 1 | 60.6 | 7.8 | 1 | 59.7 | 8.7 | 1 |
| R819(K2088) | 74.5 | 1 | 68.2 | 6.3 | 1 | 65.6 | 8.9 | 1 | 63.8 | 10.7 | 1 |
| R820(K2138) | 68.3 | 1 | 61.4 | 6.9 | 1 | 60.8 | 7.5 | 1 | 60.5 | 7.8 | 1 |

Table D7: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B7

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R821(K1722A) | 64.6 | 1 | 62 | 2.6 | 0 | 61.8 | 2.8 | 0 | 61.7 | 2.9 | 0 |
| R823(K1722) | 67.3 | 1 | 62.7 | 4.6 | 0 | 61.8 | 5.5 | 1 | 61.6 | 5.7 | 1 |
| R824(K2099) | 67.4 | 1 | 62.4 | 5 | 1 | 60.7 | 6.7 | 1 | 59.4 | 8 | 1 |
| R825(K2127) | 67.9 | 1 | 65.3 | 2.6 | 0 | 63.9 | 4 | 0 | 62.5 | 5.4 | 1 |
| R826(K2144) | 67.7 | 1 | 61.4 | 6.3 | 1 | 60.8 | 6.9 | 1 | 60.3 | 7.4 | 1 |
| R827(K2109C) | 67.5 | 1 | 63.9 | 3.6 | 0 | 62 | 5.5 | 1 | 59.8 | 7.7 | 1 |
| R828(K1720) | 67.5 | 1 | 62.9 | 4.6 | 0 | 61.7 | 5.8 | 1 | 61.3 | 6.2 | 1 |
| R838(K2109F) | 65.9 | 1 | 59.2 | 6.7 | 1 | 58.2 | 7.7 | 1 | 57.3 | 8.6 | 1 |
| R840(K2109A) | 62.9 | 1 | 58.8 | 4.1 | 0 | 57.2 | 5.7 | 1 | 56.2 | 6.7 | 1 |
| R841(K30) | 64.3 | 1 | 57.5 | 6.8 | 1 | 56.9 | 7.4 | 1 | 56.7 | 7.6 | 1 |
| R845(K2103) | 65.8 | 1 | 61.7 | 4.1 | 0 | 60 | 5.8 | 1 | 58.5 | 7.3 | 1 |
| R850(K1721) | 65 | 1 | 58.3 | 6.7 | 1 | 57.6 | 7.4 | 1 | 56.8 | 8.2 | 1 |
| R851(K2094) | 74 | 1 | 67.9 | 6.1 | 1 | 65.5 | 8.5 | 1 | 63.9 | 10.1 | 1 |
| R852(K2109D) | 62 | 1 | 59 | 3 | 0 | 56.7 | 5.3 | 1 | 55.7 | 6.3 | 1 |
| R860(K2097) | 73.7 | 1 | 65.8 | 7.9 | 1 | 63.9 | 9.8 | 1 | 62 | 11.7 | 1 |
| R864(K2117) | 64.4 | 1 | 60 | 4.4 | 0 | 58.9 | 5.5 | 1 | 57.5 | 6.9 | 1 |
| R870(K2102) | 72.7 | 1 | 64.2 | 8.5 | 1 | 62.4 | 10.3 | 1 | 60.2 | 12.5 | 1 |
| R871(K2120) | 63.3 | 1 | 58.4 | 4.9 | 0 | 56.9 | 6.4 | 1 | 56 | 7.3 | 1 |
| R872(KV2147) | 63 | 1 | 55.8 | 7.2 | 1 | 55 | 8 | 1 | 54.4 | 8.6 | 1 |
| R873(K2107) | 72.4 | 1 | 63.7 | 8.7 | 1 | 61.7 | 10.7 | 1 | 59.8 | 12.6 | 1 |
| R876(K2128) | 62.7 | 1 | 57.6 | 5.1 | 1 | 56.4 | 6.3 | 1 | 55.7 | 7 | 1 |
| R878(K2141) | 75.9 | 75 | 70.7 | 5.2 | 75 | 68.8 | 7.1 | 75 | 67.5 | 8.4 | 75 |
| R879(K2121) | 72.1 | 1 | 63.8 | 8.3 | 1 | 62.2 | 9.9 | 1 | 60.4 | 11.7 | 1 |
| R881(K2130) | 62.2 | 1 | 57.1 | 5.1 | 1 | 56.1 | 6.1 | 1 | 55.2 | 7 | 1 |
| R885(K2126) | 71.8 | 1 | 64.3 | 7.5 | 1 | 63.1 | 8.7 | 1 | 61.3 | 10.5 | 1 |

Table D7: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B7

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R654(K1039) | 66.1 | 1 | 57.1 | 9 | 1 | 56 | 10.1 | 1 | 55 | 11.1 | 1 |
| R890(K2131) | 71.4 | 1 | 63.1 | 8.3 | 1 | 61.8 | 9.6 | 1 | 60.1 | 11.3 | 1 |
| R891(K2140) | 61.3 | 1 | 56.2 | 5.1 | 1 | 55.2 | 6.1 | 1 | 54.3 | 7 | 1 |
| R894(K2111) | 70.9 | 1 | 62.4 | 8.5 | 1 | 60.8 | 10.1 | 1 | 59 | 11.9 | 1 |
| R896(K2142) | 60.9 | 1 | 55.6 | 5.3 | 1 | 54.7 | 6.2 | 1 | 53.9 | 7 | 1 |
| R897(K2139) | 70.4 | 1 | 61.9 | 8.5 | 1 | 60.4 | 10 | 1 | 58.8 | 11.6 | 1 |
| M-47(K2141) | 62.3 | 75 | 57.1 | 5.2 | 75 | 56.7 | 5.6 | 75 | 56.3 | 6 | 75 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B7

| Barrier B7 | | 18 feet High Barrier | | 20 feet High Barrier | | | 22 feet High Barrier | |
|---|-------|--|-------------|--|---|-------------|--|---|
| Total Number of Dwelling Units behind Barrier | 210 | Total Number of Benefited Dwelling Units | | 191 | Total Number of Benefited Dwelling Units | | 203 | Total Number of Benefited Dwelling Units |
| Total Number of Impacted Dwelling Units | 123 | Total Number of Benefited Impacted Dwelling Units | | 109 | Total Number of Benefited Impacted Dwelling Units | | 117 | Total Number of Benefited Impacted Dwelling Units |
| Barrier Length (feet) | 4,487 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 8.9% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | | 53.7% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 88.6% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | | 95.1% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | |
| | | Maximum Noise Reduction dB(A) | 11.2 | Maximum Noise Reduction dB(A) | | 11.7 | Maximum Noise Reduction dB(A) | |
| | | Estimated Total Barrier Cost (\$) | \$2,422,980 | Estimated Total Barrier Cost (\$) | | \$2,692,200 | Estimated Total Barrier Cost (\$) | |
| | | Cost/Benefit Dwelling Unit | \$12,686 | Cost/Benefit Dwelling Unit | | \$13,262 | Cost/Benefit Dwelling Unit | |
| | | | | | | | | |

Table D8: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B8

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R774(K1346) | 71.2 | 1 | 60.9 | 10.3 | 1 | 60.4 | 10.8 | 1 | 59.9 | 11.3 | 1 |
| M-41(K1318) | 75.1 | 1 | 74.9 | 0.2 | 0 | 74.6 | 0.5 | 0 | 73.4 | 1.7 | 0 |
| R780(K1383) | 72 | 1 | 62 | 10 | 1 | 61.3 | 10.7 | 1 | 60.5 | 11.5 | 1 |
| M-44(K75) | 72.8 | 2 | 63.2 | 9.6 | 2 | 62.4 | 10.4 | 2 | 61.7 | 11.1 | 2 |
| M-42(K1348) | 68.8 | 1 | 55.6 | 13.2 | 1 | 54.9 | 13.9 | 1 | 54.2 | 14.6 | 1 |
| R790(K1360) | 73.4 | 1 | 62.5 | 10.9 | 1 | 61.7 | 11.7 | 1 | 61 | 12.4 | 1 |
| R791(K1365) | 70.6 | 1 | 61.2 | 9.4 | 1 | 60.6 | 10 | 1 | 60 | 10.6 | 1 |
| R792(K1421) | 76.5 | 1 | 71.2 | 5.3 | 1 | 68 | 8.5 | 1 | 66.6 | 9.9 | 1 |
| R794(KV1318) | 70.5 | 1 | 65 | 5.5 | 1 | 64.2 | 6.3 | 1 | 63.3 | 7.2 | 1 |
| R795(K74) | 68.8 | 2 | 60.7 | 8.1 | 2 | 60.1 | 8.7 | 2 | 59.5 | 9.3 | 2 |
| R796(K1341) | 74.1 | 1 | 62.8 | 11.3 | 1 | 62 | 12.1 | 1 | 61.3 | 12.8 | 1 |
| R799(K1391) | 69.3 | 1 | 60 | 9.3 | 1 | 59.2 | 10.1 | 1 | 58.5 | 10.8 | 1 |
| R802(K1331) | 72.4 | 1 | 66.4 | 6 | 1 | 65 | 7.4 | 1 | 63.8 | 8.6 | 1 |
| R805(K78) | 73.1 | 1 | 62.8 | 10.3 | 1 | 62 | 11.1 | 1 | 61.2 | 11.9 | 1 |
| R807(K1336) | 72.4 | 1 | 63.5 | 8.9 | 1 | 62.6 | 9.8 | 1 | 61.7 | 10.7 | 1 |
| R809(K71) | 66.5 | 2 | 59.5 | 7 | 2 | 58.9 | 7.6 | 2 | 58.3 | 8.2 | 2 |
| R812(K1386) | 65.4 | 1 | 57.4 | 8 | 1 | 56.7 | 8.7 | 1 | 56 | 9.4 | 1 |
| R815(K73) | 64.4 | 2 | 57.3 | 7.1 | 2 | 56.7 | 7.7 | 2 | 56.2 | 8.2 | 2 |
| R816(K1372) | 63.9 | 1 | 56.6 | 7.3 | 1 | 56.1 | 7.8 | 1 | 55.6 | 8.3 | 1 |
| R817(K1395) | 69.2 | 1 | 60 | 9.2 | 1 | 59.2 | 10 | 1 | 58.5 | 10.7 | 1 |
| R830(K68) | 67.1 | 2 | 59.2 | 7.9 | 2 | 58.4 | 8.7 | 2 | 57.8 | 9.3 | 2 |
| M-45(K1484) | 75.2 | 3 | 66.4 | 8.8 | 3 | 65.2 | 10 | 3 | 64.1 | 11.1 | 3 |
| R832(K1362) | 60.8 | 1 | 55.8 | 5 | 1 | 55.3 | 5.5 | 1 | 54.9 | 5.9 | 1 |
| R833(K1370) | 62.8 | 1 | 56.2 | 6.6 | 1 | 55.8 | 7 | 1 | 55.4 | 7.4 | 1 |
| R834(K1402) | 67.5 | 1 | 58.7 | 8.8 | 1 | 57.9 | 9.6 | 1 | 57.2 | 10.3 | 1 |

Table D8: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B8

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R835(K1446) | 70.4 | 1 | 62.6 | 7.8 | 1 | 61.7 | 8.7 | 1 | 60.8 | 9.6 | 1 |
| R836(K67) | 66.7 | 2 | 59.6 | 7.1 | 2 | 58.8 | 7.9 | 2 | 58.2 | 8.5 | 2 |
| R842(K1353) | 60.4 | 41 | 55.3 | 5.1 | 41 | 55.2 | 5.2 | 41 | 55.1 | 5.3 | 41 |
| R843(K1406) | 64.2 | 1 | 56.9 | 7.3 | 1 | 56.2 | 8 | 1 | 55.6 | 8.6 | 1 |
| R846(K1396) | 62.1 | 1 | 55.2 | 6.9 | 1 | 54.6 | 7.5 | 1 | 54 | 8.1 | 1 |
| R847(K1403) | 63.3 | 1 | 56 | 7.3 | 1 | 55.3 | 8 | 1 | 54.8 | 8.5 | 1 |
| R849(K1397) | 60.8 | 1 | 54.6 | 6.2 | 1 | 54 | 6.8 | 1 | 53.5 | 7.3 | 1 |
| R854(K1460) | 64 | 1 | 58.4 | 5.6 | 1 | 57.6 | 6.4 | 1 | 57 | 7 | 1 |
| R855(K1392) | 60.6 | 1 | 54.4 | 6.2 | 1 | 53.9 | 6.7 | 1 | 53.6 | 7 | 1 |
| R856(K1394) | 60 | 1 | 54.4 | 5.6 | 1 | 53.8 | 6.2 | 1 | 53.4 | 6.6 | 1 |
| R857(K1193) | 72.1 | 1 | 61.3 | 10.8 | 1 | 60.5 | 11.6 | 1 | 59.9 | 12.2 | 1 |
| R858(K1379) | 59.2 | 1 | 54.5 | 4.7 | 0 | 54.2 | 5 | 1 | 54 | 5.2 | 1 |
| R859(K1385) | 58.6 | 1 | 54.1 | 4.5 | 0 | 53.7 | 4.9 | 0 | 53.4 | 5.2 | 1 |
| R861(K1390) | 57.5 | 1 | 53.5 | 4 | 0 | 53.1 | 4.4 | 0 | 52.8 | 4.7 | 0 |
| R862(K1449) | 64.6 | 1 | 58.4 | 6.2 | 1 | 57.7 | 6.9 | 1 | 57 | 7.6 | 1 |
| R867(K1196) | 69.8 | 1 | 60.1 | 9.7 | 1 | 59.3 | 10.5 | 1 | 58.4 | 11.4 | 1 |
| R868(KV1492) | 62.3 | 1 | 57.4 | 4.9 | 0 | 56.6 | 5.7 | 1 | 56.2 | 6.1 | 1 |
| R869(K1492) | 64.1 | 2 | 60.9 | 3.2 | 0 | 59.7 | 4.4 | 0 | 59 | 5.1 | 2 |
| R874(K1473) | 53.6 | 1 | 49.9 | 3.7 | 0 | 49.5 | 4.1 | 0 | 49.2 | 4.4 | 0 |
| R875(K1203) | 68.1 | 1 | 59.6 | 8.5 | 1 | 58.7 | 9.4 | 1 | 57.8 | 10.3 | 1 |
| R877(K40) | 63.9 | 1 | 60.5 | 3.4 | 0 | 59.2 | 4.7 | 0 | 58.7 | 5.2 | 1 |
| R880(K1202) | 64.4 | 1 | 59.2 | 5.2 | 1 | 58 | 6.4 | 1 | 57.4 | 7 | 1 |
| R882(K1211) | 71.1 | 1 | 60.9 | 10.2 | 1 | 60.1 | 11 | 1 | 59.4 | 11.7 | 1 |
| R883(K1209) | 66.7 | 1 | 58.7 | 8 | 1 | 57.9 | 8.8 | 1 | 57 | 9.7 | 1 |
| R884(K1213) | 69.3 | 1 | 58.8 | 10.5 | 1 | 57.8 | 11.5 | 1 | 57 | 12.3 | 1 |

Table D8: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B8

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R886(K1206) | 64.6 | 1 | 58.4 | 6.2 | 1 | 57.6 | 7 | 1 | 56.9 | 7.7 | 1 |
| R888(K1218) | 67.6 | 1 | 57.8 | 9.8 | 1 | 56.9 | 10.7 | 1 | 56.1 | 11.5 | 1 |
| R889(K36) | 65.5 | 1 | 58.7 | 6.8 | 1 | 57.9 | 7.6 | 1 | 57 | 8.5 | 1 |
| R892(K1216) | 64.7 | 1 | 58.4 | 6.3 | 1 | 57.6 | 7.1 | 1 | 57 | 7.7 | 1 |
| R893(K1220) | 65.5 | 1 | 57 | 8.5 | 1 | 56 | 9.5 | 1 | 55.3 | 10.2 | 1 |
| R895(K1219) | 58.6 | 1 | 53.9 | 4.7 | 0 | 52.9 | 5.7 | 1 | 52.1 | 6.5 | 1 |
| R898(K1224) | 64.7 | 1 | 59 | 5.7 | 1 | 58.7 | 6 | 1 | 58.3 | 6.4 | 1 |
| R899(K1223) | 64.4 | 1 | 59.2 | 5.2 | 1 | 59 | 5.4 | 1 | 58.7 | 5.7 | 1 |
| R900(K1222) | 59.6 | 1 | 55.6 | 4 | 0 | 55.3 | 4.3 | 0 | 55 | 4.6 | 0 |
| M-44a(K75) | 73 | 2 | 61.8 | 11.2 | 2 | 61.3 | 11.7 | 2 | 60.4 | 12.6 | 2 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B8

| Barrier B8 | | 18 feet High Barrier | | 20 feet High Barrier | | 22 feet High Barrier | |
|---|-------|--|-------------|--|-------------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 110 | Total Number of Benefited Dwelling Units | 99 | Total Number of Benefited Dwelling Units | 102 | Total Number of Benefited Dwelling Units | 106 |
| Total Number of Impacted Dwelling Units | 40 | Total Number of Benefited Impacted Dwelling Units | 37 | Total Number of Benefited Impacted Dwelling Units | 37 | Total Number of Benefited Impacted Dwelling Units | 37 |
| Barrier Length (feet) | 2,617 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 41.4% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 46.1% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 50.9% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 92.5% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 92.5% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 92.5% |
| | | Maximum Noise Reduction dB(A) | 13.2 | Maximum Noise Reduction dB(A) | 13.9 | Maximum Noise Reduction dB(A) | 14.6 |
| | | Estimated Total Barrier Cost (\$) | \$1,413,180 | Estimated Total Barrier Cost (\$) | \$1,570,200 | Estimated Total Barrier Cost (\$) | \$1,727,220 |
| | | Cost/Benefit Dwelling Unit | \$14,275 | Cost/Benefit Dwelling Unit | \$15,394 | Cost/Benefit Dwelling Unit | \$16,295 |

Table D9: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B9

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R495(K1615) | 75.8 | 1 | 69 | 6.8 | 1 | 68.5 | 7.3 | 1 | 67.4 | 8.4 | 1 |
| R496(K2006) | 65 | 1 | 59.6 | 5.4 | 1 | 59.3 | 5.7 | 1 | 59 | 6 | 1 |
| M-38(K1609) | 74.2 | 1 | 66.2 | 8 | 1 | 64.9 | 9.3 | 1 | 63.4 | 10.8 | 1 |
| R500(K1620) | 75.2 | 1 | 66.9 | 8.3 | 1 | 66.3 | 8.9 | 1 | 65.5 | 9.7 | 1 |
| R501(K2004) | 68 | 1 | 60.2 | 7.8 | 1 | 59.7 | 8.3 | 1 | 59.2 | 8.8 | 1 |
| R502(K2005) | 67.4 | 1 | 60.2 | 7.2 | 1 | 59.8 | 7.6 | 1 | 59.4 | 8 | 1 |
| R503(K1622) | 75.1 | 1 | 65.7 | 9.4 | 1 | 65 | 10.1 | 1 | 63.4 | 11.7 | 1 |
| R504(K1630) | 74.1 | 1 | 63.1 | 11 | 1 | 62.3 | 11.8 | 1 | 61.4 | 12.7 | 1 |
| R505(K1674) | 69.6 | 1 | 60.9 | 8.7 | 1 | 60.3 | 9.3 | 1 | 59.8 | 9.8 | 1 |
| R508(K1627) | 74.4 | 1 | 64.7 | 9.7 | 1 | 63.3 | 11.1 | 1 | 62.4 | 12 | 1 |
| R510(K1670 R-61) | 70.8 | 1 | 61.3 | 9.5 | 1 | 60.6 | 10.2 | 1 | 60 | 10.8 | 1 |
| R512(K1642) | 73.1 | 1 | 62 | 11.1 | 1 | 61.3 | 11.8 | 1 | 60.7 | 12.4 | 1 |
| R516(K1638) | 72.9 | 1 | 61.9 | 11 | 1 | 61 | 11.9 | 1 | 60.4 | 12.5 | 1 |
| R517(K1652) | 71 | 1 | 60.7 | 10.3 | 1 | 60.1 | 10.9 | 1 | 59.5 | 11.5 | 1 |
| R518(K1665) | 71.1 | 1 | 60.9 | 10.2 | 1 | 60.3 | 10.8 | 1 | 59.7 | 11.4 | 1 |
| R526(K2009) | 57 | 2 | 56.3 | 0.7 | 0 | 56.2 | 0.8 | 0 | 56.2 | 0.8 | 0 |
| R531(K1621) | 70.6 | 1 | 67.5 | 3.1 | 0 | 66.9 | 3.7 | 0 | 66.4 | 4.2 | 0 |
| R532(K2008) | 56.9 | 2 | 56.1 | 0.8 | 0 | 55.9 | 1 | 0 | 55.8 | 1.1 | 0 |
| M-37(K1616) | 69.2 | 1 | 66 | 3.2 | 0 | 65.6 | 3.6 | 0 | 65 | 4.2 | 0 |
| R533(K2007) | 58.2 | 2 | 56.4 | 1.8 | 0 | 56.3 | 1.9 | 0 | 56.1 | 2.1 | 0 |
| R535(K1705) | 58.9 | 2 | 56.4 | 2.5 | 0 | 56.1 | 2.8 | 0 | 55.9 | 3 | 0 |
| R537(K85) | 67.3 | 1 | 67.2 | 0.1 | 0 | 67.1 | 0.2 | 0 | 66.8 | 0.5 | 0 |
| R538(K1602) | 70.3 | 1 | 69.5 | 0.8 | 0 | 69.3 | 1 | 0 | 69.2 | 1.1 | 0 |
| R539(K1611) | 64.8 | 1 | 64.7 | 0.1 | 0 | 64.6 | 0.2 | 0 | 64.1 | 0.7 | 0 |
| R540(K1624) | 69 | 1 | 65.7 | 3.3 | 0 | 65.4 | 3.6 | 0 | 64.9 | 4.1 | 0 |

Table D9: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B9

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R541(K1629) | 67 | 1 | 64.2 | 2.8 | 0 | 63.8 | 3.2 | 0 | 63.1 | 3.9 | 0 |
| R542(K1632) | 65.1 | 1 | 60.1 | 5 | 0 | 60 | 5.1 | 1 | 59.4 | 5.7 | 1 |
| R545(K1608) | 73.3 | 1 | 72.7 | 0.6 | 0 | 72.6 | 0.7 | 0 | 72.6 | 0.7 | 0 |
| R546(K1613) | 63.1 | 1 | 63.1 | 0 | 0 | 63 | 0.1 | 0 | 62.1 | 1 | 0 |
| R547(K1637) | 63.7 | 1 | 59.1 | 4.6 | 0 | 58.4 | 5.3 | 1 | 57.7 | 6 | 1 |
| R548(K1699) | 59.8 | 2 | 57 | 2.8 | 0 | 56.7 | 3.1 | 0 | 56.5 | 3.3 | 0 |
| R550(K1695) | 61.3 | 2 | 57.3 | 4 | 0 | 57 | 4.3 | 0 | 56.8 | 4.5 | 0 |
| R554(K1677) | 61.8 | 1 | 57.1 | 4.7 | 0 | 56.7 | 5.1 | 1 | 56.5 | 5.3 | 1 |
| R555(K1687) | 61.5 | 2 | 57.2 | 4.3 | 0 | 57.2 | 4.3 | 0 | 56.9 | 4.6 | 0 |
| R558(K1626) | 61.2 | 1 | 61.1 | 0.1 | 0 | 60.8 | 0.4 | 0 | 59.8 | 1.4 | 0 |
| R559(K1648) | 62.7 | 1 | 58.3 | 4.4 | 0 | 58 | 4.7 | 0 | 57.5 | 5.2 | 1 |
| R560(K1668) | 62.4 | 1 | 56 | 6.4 | 1 | 55.4 | 7 | 1 | 55.2 | 7.2 | 1 |
| R561(K1672) | 62.3 | 1 | 57.5 | 4.8 | 0 | 57 | 5.3 | 1 | 56.6 | 5.7 | 1 |
| R562(K2013) | 52.9 | 1 | 53.3 | -0.4 | 0 | 53.2 | -0.3 | 0 | 53.1 | -0.2 | 0 |
| R565(K1713) | 52.6 | 1 | 52.3 | 0.3 | 0 | 52.1 | 0.5 | 0 | 52.1 | 0.5 | 0 |
| R569(K1712) | 53.1 | 1 | 52.3 | 0.8 | 0 | 52.2 | 0.9 | 0 | 52.1 | 1 | 0 |
| R572(K1635) | 58.7 | 1 | 57.7 | 1 | 0 | 57.6 | 1.1 | 0 | 56.7 | 2 | 0 |
| R573(K1617) | 69.3 | 1 | 69 | 0.3 | 0 | 68.8 | 0.5 | 0 | 68.4 | 0.9 | 0 |
| R577(K1623) | 67 | 1 | 66.8 | 0.2 | 0 | 66.6 | 0.4 | 0 | 66.5 | 0.5 | 0 |
| R578(K1634) | 60.9 | 1 | 57.7 | 3.2 | 0 | 57.3 | 3.6 | 0 | 56.4 | 4.5 | 0 |
| R579(K1710) | 54.4 | 1 | 53.5 | 0.9 | 0 | 53.3 | 1.1 | 0 | 53.3 | 1.1 | 0 |
| R581(K1708) | 54.6 | 1 | 53.7 | 0.9 | 0 | 53.5 | 1.1 | 0 | 53.3 | 1.3 | 0 |
| R583(K1628) | 65 | 1 | 65 | 0 | 0 | 65 | 0 | 0 | 65 | 0 | 0 |
| R584(K1641) | 58.4 | 1 | 57.5 | 0.9 | 0 | 56.9 | 1.5 | 0 | 56.4 | 2 | 0 |
| R585(K1706) | 55.5 | 1 | 53.9 | 1.6 | 0 | 53.8 | 1.7 | 0 | 53.6 | 1.9 | 0 |

Table D9: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B9

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R587(K1704) | 56.8 | 1 | 54.5 | 2.3 | 0 | 54.3 | 2.5 | 0 | 54.2 | 2.6 | 0 |
| R589(K1631) | 63.6 | 1 | 63.7 | -0.1 | 0 | 63.7 | -0.1 | 0 | 63.7 | -0.1 | 0 |
| R590(K1651) | 59 | 1 | 56.8 | 2.2 | 0 | 56.1 | 2.9 | 0 | 55.7 | 3.3 | 0 |
| R591(K1666) | 58.6 | 1 | 56 | 2.6 | 0 | 55.4 | 3.2 | 0 | 55 | 3.6 | 0 |
| R592(K1682) | 58.7 | 1 | 54.9 | 3.8 | 0 | 54.6 | 4.1 | 0 | 54.2 | 4.5 | 0 |
| R593(K1691) | 58.2 | 1 | 55.6 | 2.6 | 0 | 55.5 | 2.7 | 0 | 55.1 | 3.1 | 0 |
| R594(K1698) | 56.8 | 1 | 54.7 | 2.1 | 0 | 54.5 | 2.3 | 0 | 54.3 | 2.5 | 0 |
| R597(K1636) | 63.2 | 1 | 62.9 | 0.3 | 0 | 62.8 | 0.4 | 0 | 62.8 | 0.4 | 0 |
| R598(K1694) | 57.3 | 1 | 55 | 2.3 | 0 | 54.8 | 2.5 | 0 | 54.9 | 2.4 | 0 |
| R599(K2021) | 53.9 | 4 | 55 | -1.1 | 0 | 55 | -1.1 | 0 | 55 | -1.1 | 0 |
| R604(K1643) | 63.5 | 1 | 63.3 | 0.2 | 0 | 63 | 0.5 | 0 | 62.5 | 1 | 0 |
| R605(K1718) | 54 | 2 | 54.7 | -0.7 | 0 | 54.7 | -0.7 | 0 | 54.6 | -0.6 | 0 |
| R607(K1717) | 54 | 2 | 54.4 | -0.4 | 0 | 54.3 | -0.3 | 0 | 54.3 | -0.3 | 0 |
| R612(K1716) | 54.5 | 1 | 54.9 | -0.4 | 0 | 54.9 | -0.4 | 0 | 54.9 | -0.4 | 0 |
| R637(K1617 R-60) | 67.7 | 1 | 68.7 | -1 | 0 | 68.6 | -0.9 | 0 | 68.6 | -0.9 | 0 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B9

| Barrier B9 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-------------|--|-------------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 77 | Total Number of Benefited Dwelling Units | 16 | Total Number of Benefited Dwelling Units | 20 | Total Number of Benefited Dwelling Units | 21 |
| Total Number of Impacted Dwelling Units | 24 | Total Number of Benefited Impacted Dwelling Units | 14 | Total Number of Benefited Impacted Dwelling Units | 14 | Total Number of Benefited Impacted Dwelling Units | 14 |
| Barrier Length (feet) | 1,990 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 81.3% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 75.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 71.4% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 58.3% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 58.3% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 58.3% |
| | | Maximum Noise Reduction dB(A) | 11.1 | Maximum Noise Reduction dB(A) | 11.9 | Maximum Noise Reduction dB(A) | 12.7 |
| | | Estimated Total Barrier Cost (\$) | \$1,194,000 | Estimated Total Barrier Cost (\$) | \$1,313,400 | Estimated Total Barrier Cost (\$) | \$1,432,800 |
| | | Cost/Benefit Dwelling Unit | \$74,625 | Cost/Benefit Dwelling Unit | \$65,670 | Cost/Benefit Dwelling Unit | \$68,229 |

Table D10: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B10

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-----------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R421(K581) | 71.5 | 2 | 71.4 | 0.1 | 0 | 70.4 | 1.1 | 0 | 69.9 | 1.6 | 0 |
| R422(K582) | 72.6 | 1 | 71.8 | 0.8 | 0 | 70.7 | 1.9 | 0 | 70 | 2.6 | 0 |
| R423(K584) | 74.3 | 1 | 70.9 | 3.4 | 0 | 69.7 | 4.6 | 0 | 69.1 | 5.2 | 1 |
| R425(K575) | 70.7 | 1 | 70.7 | 0 | 0 | 70.2 | 0.5 | 0 | 69.7 | 1 | 0 |
| R430(K574) | 69.6 | 1 | 69.6 | 0 | 0 | 69.5 | 0.1 | 0 | 68.9 | 0.7 | 0 |
| R431(K572) | 69.3 | 6 | 69.3 | 0 | 0 | 69.3 | 0 | 0 | 68.9 | 0.4 | 0 |
| R437(K571) | 68.5 | 2 | 68.6 | -0.1 | 0 | 68.5 | 0 | 0 | 68.3 | 0.2 | 0 |
| R439(K954 R-53) | 74.6 | 1 | 68.6 | 6 | 1 | 67 | 7.6 | 1 | 65.2 | 9.4 | 1 |
| R442(K569) | 67.9 | 1 | 68 | -0.1 | 0 | 68 | -0.1 | 0 | 67.7 | 0.2 | 0 |
| R447(K938) | 72.5 | 1 | 69.3 | 3.2 | 0 | 68 | 4.5 | 0 | 66 | 6.5 | 1 |
| R450(K566) | 68 | 1 | 68 | 0 | 0 | 68 | 0 | 0 | 67.7 | 0.3 | 0 |
| R452(K941) | 70.4 | 2 | 66.2 | 4.2 | 0 | 64 | 6.4 | 2 | 62.3 | 8.1 | 2 |
| R454(K932) | 67.3 | 1 | 62.5 | 4.8 | 0 | 61.2 | 6.1 | 1 | 59.5 | 7.8 | 1 |
| R456(K1007) | 74.5 | 1 | 72.3 | 2.2 | 0 | 70.6 | 3.9 | 0 | 69 | 5.5 | 1 |
| R457(K860) | 67.7 | 1 | 67.7 | 0 | 0 | 67.7 | 0 | 0 | 67.5 | 0.2 | 0 |
| R461(K1006) | 72.6 | 1 | 71.6 | 1 | 0 | 70.3 | 2.3 | 0 | 69.1 | 3.5 | 0 |
| R462(K1000) | 71.7 | 1 | 71 | 0.7 | 0 | 70.4 | 1.3 | 0 | 69.4 | 2.3 | 0 |
| R463(K1004) | 72 | 1 | 71.3 | 0.7 | 0 | 70.6 | 1.4 | 0 | 69.4 | 2.6 | 0 |
| R464(K996) | 71 | 1 | 70.4 | 0.6 | 0 | 69.9 | 1.1 | 0 | 69.1 | 1.9 | 0 |
| R467(K929) | 66.4 | 1 | 62.6 | 3.8 | 0 | 61.1 | 5.3 | 1 | 59.7 | 6.7 | 1 |
| R470(K859) | 67.2 | 1 | 67.2 | 0 | 0 | 67.2 | 0 | 0 | 67 | 0.2 | 0 |
| R471(K994) | 70.7 | 1 | 70.2 | 0.5 | 0 | 69.7 | 1 | 0 | 69.1 | 1.6 | 0 |
| R475(K925) | 65.4 | 1 | 61.2 | 4.2 | 0 | 59.9 | 5.5 | 1 | 58.1 | 7.3 | 1 |
| M-27(K1007) | 75.1 | 1 | 68.9 | 6.2 | 1 | 67.3 | 7.8 | 1 | 65.7 | 9.4 | 1 |
| R478(K856) | 67.1 | 1 | 67.1 | 0 | 0 | 67 | 0.1 | 0 | 66.9 | 0.2 | 0 |

Table D10: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B10

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R482(K792) | 66.9 | 1 | 66.9 | 0 | 0 | 66.8 | 0.1 | 0 | 66.7 | 0.2 | 0 |
| R489(K924) | 64.9 | 1 | 61.1 | 3.8 | 0 | 60.2 | 4.7 | 0 | 59.1 | 5.8 | 1 |
| R497(K790) | 66.3 | 1 | 66.3 | 0 | 0 | 66.2 | 0.1 | 0 | 66.1 | 0.2 | 0 |
| R506(K927) | 65.9 | 1 | 62.4 | 3.5 | 0 | 61.5 | 4.4 | 0 | 60.4 | 5.5 | 1 |
| R511(K789) | 66 | 1 | 66.1 | -0.1 | 0 | 66 | 0 | 0 | 65.8 | 0.2 | 0 |
| R522(K922) | 65 | 1 | 61 | 4 | 0 | 60.2 | 4.8 | 0 | 59.1 | 5.9 | 1 |
| R529(K921) | 64.9 | 1 | 60.6 | 4.3 | 0 | 59.8 | 5.1 | 1 | 58.8 | 6.1 | 1 |
| R544(K917) | 64.4 | 2 | 60.2 | 4.2 | 0 | 59.4 | 5 | 2 | 58.4 | 6 | 2 |
| R564(K918) | 63.8 | 2 | 59.3 | 4.5 | 0 | 58.5 | 5.3 | 2 | 57.6 | 6.2 | 2 |
| R602(K849) | 73.8 | 1 | 65.1 | 8.7 | 1 | 63.9 | 9.9 | 1 | 62.8 | 11 | 1 |
| R608(K819) | 71.4 | 1 | 65.3 | 6.1 | 1 | 63.5 | 7.9 | 1 | 62 | 9.4 | 1 |
| R609(K848) | 72.5 | 1 | 65.7 | 6.8 | 1 | 64.3 | 8.2 | 1 | 63.1 | 9.4 | 1 |
| R617(K841) | 71.6 | 1 | 65.7 | 5.9 | 1 | 64.3 | 7.3 | 1 | 62.9 | 8.7 | 1 |
| R633(K843) | 69.7 | 1 | 65.6 | 4.1 | 0 | 64.1 | 5.6 | 1 | 62.5 | 7.2 | 1 |
| R636(K840) | 69.3 | 1 | 65.7 | 3.6 | 0 | 64.1 | 5.2 | 1 | 62.4 | 6.9 | 1 |
| R643(K1041) | 73.6 | 1 | 65.1 | 8.5 | 1 | 63.6 | 10 | 1 | 62.4 | 11.2 | 1 |
| R644(K1036) | 72.5 | 1 | 65.6 | 6.9 | 1 | 64.3 | 8.2 | 1 | 62.7 | 9.8 | 1 |
| R645(K1033) | 68.2 | 2 | 59.9 | 8.3 | 2 | 58.8 | 9.4 | 2 | 58 | 10.2 | 2 |
| R646(K1053) | 67.6 | 1 | 58.4 | 9.2 | 1 | 57.6 | 10 | 1 | 56.8 | 10.8 | 1 |
| R647(K1037) | 69.9 | 2 | 60.5 | 9.4 | 2 | 59.5 | 10.4 | 2 | 58.7 | 11.2 | 2 |
| R649(K1027) | 67.4 | 2 | 63.6 | 3.8 | 0 | 62.7 | 4.7 | 0 | 62.3 | 5.1 | 2 |
| R650(K1116) | 68.2 | 5 | 60.5 | 7.7 | 5 | 60 | 8.2 | 5 | 59.6 | 8.6 | 5 |
| R651(K594) | 67.1 | 1 | 60.1 | 7 | 1 | 59.6 | 7.5 | 1 | 59.2 | 7.9 | 1 |
| R652(K1023) | 63.8 | 1 | 57.2 | 6.6 | 1 | 56.2 | 7.6 | 1 | 55.6 | 8.2 | 1 |
| R653(K884) | 70 | 1 | 61 | 9 | 1 | 60.4 | 9.6 | 1 | 59.8 | 10.2 | 1 |

Table D10: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B10

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R654(K1039) | 66.1 | 1 | 61.6 | 4.5 | 0 | 60.9 | 5.2 | 1 | 60.3 | 5.8 | 1 |
| R655(K1121 R-56) | 67 | 1 | 60.3 | 6.7 | 1 | 59.9 | 7.1 | 1 | 59.5 | 7.5 | 1 |
| R656(K882) | 62.4 | 1 | 58.3 | 4.1 | 0 | 57.5 | 4.9 | 0 | 56.9 | 5.5 | 1 |
| R657(K1123) | 67 | 1 | 60.1 | 6.9 | 1 | 59.6 | 7.4 | 1 | 59.3 | 7.7 | 1 |
| R658(K883) | 65.7 | 1 | 59.7 | 6 | 1 | 59 | 6.7 | 1 | 58.2 | 7.5 | 1 |
| M-29(K1148) | 69.2 | 1 | 68.4 | 0.8 | 0 | 68.3 | 0.9 | 0 | 66.1 | 3.1 | 0 |
| R659(K876) | 65.6 | 1 | 60.7 | 4.9 | 0 | 59.7 | 5.9 | 1 | 58.8 | 6.8 | 1 |
| R663(K598) | 65.2 | 1 | 65 | 0.2 | 0 | 63.7 | 1.5 | 0 | 63.2 | 2 | 0 |
| R664(K1125) | 66.4 | 1 | 59.4 | 7 | 1 | 58.9 | 7.5 | 1 | 58.6 | 7.8 | 1 |
| R666(K878) | 65.3 | 1 | 60.6 | 4.7 | 0 | 59.5 | 5.8 | 1 | 58.7 | 6.6 | 1 |
| R668(K595) | 63.6 | 1 | 56.8 | 6.8 | 1 | 56.4 | 7.2 | 1 | 55.9 | 7.7 | 1 |
| R669(K877) | 65.1 | 1 | 60.8 | 4.3 | 0 | 59.8 | 5.3 | 1 | 58.9 | 6.2 | 1 |
| R670(K1129) | 66 | 1 | 58.8 | 7.2 | 1 | 58.4 | 7.6 | 1 | 58 | 8 | 1 |
| R672(K600) | 64.1 | 1 | 62.8 | 1.3 | 0 | 62.3 | 1.8 | 0 | 61.9 | 2.2 | 0 |
| R673(K874) | 65 | 1 | 60.9 | 4.1 | 0 | 60.1 | 4.9 | 0 | 59.2 | 5.8 | 1 |
| R674(K1132) | 65.3 | 1 | 58.1 | 7.2 | 1 | 57.7 | 7.6 | 1 | 57.3 | 8 | 1 |
| R675(K873) | 61.8 | 1 | 59.9 | 1.9 | 0 | 59 | 2.8 | 0 | 58.4 | 3.4 | 0 |
| R676(K1117) | 61.5 | 1 | 55 | 6.5 | 1 | 54.5 | 7 | 1 | 54.2 | 7.3 | 1 |
| R677(K1150) | 63.6 | 1 | 61 | 2.6 | 0 | 60.6 | 3 | 0 | 59.8 | 3.8 | 0 |
| R678(K1136) | 64.6 | 1 | 56.8 | 7.8 | 1 | 56.2 | 8.4 | 1 | 55.7 | 8.9 | 1 |
| R679(K1152) | 63 | 1 | 61.9 | 1.1 | 0 | 61.4 | 1.6 | 0 | 61.2 | 1.8 | 0 |
| R680(K898) | 66.5 | 2 | 61 | 5.5 | 2 | 60 | 6.5 | 2 | 59.1 | 7.4 | 2 |
| R681(K1139) | 64 | 1 | 55.6 | 8.4 | 1 | 55.1 | 8.9 | 1 | 54.6 | 9.4 | 1 |
| R682(K104) | 67 | 2 | 61.2 | 5.8 | 2 | 60 | 7 | 2 | 59.3 | 7.7 | 2 |
| R683(K1120) | 59.2 | 1 | 53.1 | 6.1 | 1 | 52.6 | 6.6 | 1 | 52.2 | 7 | 1 |

Table D10: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B10

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R684(K905) | 67.4 | 2 | 61.6 | 5.8 | 2 | 60.5 | 6.9 | 2 | 59.8 | 7.6 | 2 |
| R685(K1153) | 62.7 | 1 | 61.6 | 1.1 | 0 | 61.4 | 1.3 | 0 | 61.1 | 1.6 | 0 |
| R686(K1142) | 62.9 | 1 | 54.5 | 8.4 | 1 | 54 | 8.9 | 1 | 53.5 | 9.4 | 1 |
| R687(K908) | 67.5 | 1 | 61.5 | 6 | 1 | 60.3 | 7.2 | 1 | 59.8 | 7.7 | 1 |
| R688(K13) | 60.9 | 1 | 54.5 | 6.4 | 1 | 54.1 | 6.8 | 1 | 53.7 | 7.2 | 1 |
| R689(K1059) | 66.9 | 1 | 61.2 | 5.7 | 1 | 59.9 | 7 | 1 | 59.4 | 7.5 | 1 |
| R690(K1124) | 57.2 | 1 | 52.1 | 5.1 | 1 | 51.6 | 5.6 | 1 | 51.2 | 6 | 1 |
| R691(K1063) | 66.7 | 1 | 60.2 | 6.5 | 1 | 59.5 | 7.2 | 1 | 58.9 | 7.8 | 1 |
| R692(K1145) | 61.2 | 1 | 53.9 | 7.3 | 1 | 53.4 | 7.8 | 1 | 52.9 | 8.3 | 1 |
| R693(K1130) | 56.2 | 1 | 51.7 | 4.5 | 0 | 51.4 | 4.8 | 0 | 51.2 | 5 | 1 |
| R694(K1080) | 65.9 | 1 | 59.5 | 6.4 | 1 | 58.9 | 7 | 1 | 58.4 | 7.5 | 1 |
| R695(K1119) | 58.4 | 1 | 52.2 | 6.2 | 1 | 51.8 | 6.6 | 1 | 51.4 | 7 | 1 |
| R696(K1085) | 66.2 | 1 | 59.7 | 6.5 | 1 | 59.1 | 7.1 | 1 | 58.6 | 7.6 | 1 |
| R697(K1090) | 66.3 | 1 | 59.7 | 6.6 | 1 | 59.2 | 7.1 | 1 | 58.7 | 7.6 | 1 |
| R698(K1135) | 54.9 | 1 | 51.1 | 3.8 | 0 | 50.8 | 4.1 | 0 | 50.3 | 4.6 | 0 |
| R699(K1095) | 66.1 | 2 | 59.6 | 6.5 | 2 | 59.1 | 7 | 2 | 58.6 | 7.5 | 2 |
| R700(K1101 R-55) | 65 | 1 | 58 | 7 | 1 | 57.6 | 7.4 | 1 | 57.2 | 7.8 | 1 |
| R701(K1138) | 53.6 | 1 | 50.5 | 3.1 | 0 | 50 | 3.6 | 0 | 49.6 | 4 | 0 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B10

| Barrier B10 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-------------|--|-------------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 114 | Total Number of Benefited Dwelling Units | 52 | Total Number of Benefited Dwelling Units | 68 | Total Number of Benefited Dwelling Units | 79 |
| Total Number of Impacted Dwelling Units | 80 | Total Number of Benefited Impacted Dwelling Units | 39 | Total Number of Benefited Impacted Dwelling Units | 47 | Total Number of Benefited Impacted Dwelling Units | 53 |
| Barrier Length (feet) | 2,603 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 40.4% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 60.3% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 70.9% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 48.8% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 58.8% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 66.3% |
| | | Maximum Noise Reduction dB(A) | 9.4 | Maximum Noise Reduction dB(A) | 10.4 | Maximum Noise Reduction dB(A) | 11.2 |
| | | Estimated Total Barrier Cost (\$) | \$1,561,800 | Estimated Total Barrier Cost (\$) | \$1,717,980 | Estimated Total Barrier Cost (\$) | \$1,874,160 |
| | | Cost/Benefit Dwelling Unit | \$30,035 | Cost/Benefit Dwelling Unit | \$25,264 | Cost/Benefit Dwelling Unit | \$23,724 |

Table D11: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B11

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|-----------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| M-20(K309) | 69.2 | 3.5 | 69.9 | -0.7 | 0 | 69.9 | -0.7 | 0 | 69.8 | -0.6 | 0 |
| R95(K314 R-46) | 72.2 | 1 | 72.3 | -0.1 | 0 | 72.3 | -0.1 | 0 | 72.3 | -0.1 | 0 |
| R97(K115) | 63.4 | 3.5 | 55.4 | 7.6 | 3.5 | 55.1 | 7.9 | 3.5 | 54.8 | 8.2 | 3.5 |
| R100(K318) | 72 | 1 | 72.1 | -0.1 | 0 | 72.1 | -0.1 | 0 | 72.1 | -0.1 | 0 |
| R108(K354) | 71.8 | 1 | 71.5 | 0.3 | 0 | 70.5 | 1.3 | 0 | 69.5 | 2.3 | 0 |
| R109(K349) | 71.3 | 1 | 71.3 | 0 | 0 | 71.3 | 0 | 0 | 70.7 | 0.6 | 0 |
| R110(K361) | 70.3 | 1 | 68.9 | 1.4 | 0 | 67.8 | 2.5 | 0 | 66.8 | 3.5 | 0 |
| R118(K335) | 69.2 | 1 | 69.3 | -0.1 | 0 | 69.3 | -0.1 | 0 | 69.3 | -0.1 | 0 |
| R119(K322) | 66.8 | 1 | 67.1 | -0.3 | 0 | 67.1 | -0.3 | 0 | 67.1 | -0.3 | 0 |
| R122(K365) | 69.9 | 1 | 67.7 | 2.2 | 0 | 66.7 | 3.2 | 0 | 65.8 | 4.1 | 0 |
| R124(K364) | 67.9 | 1 | 66.1 | 1.8 | 0 | 64.4 | 3.5 | 0 | 62.9 | 5 | 1 |
| R126(K370) | 69.9 | 2 | 67.5 | 2.4 | 0 | 66.6 | 3.3 | 0 | 65.6 | 4.3 | 0 |
| R129(K340) | 65.3 | 1 | 65.5 | -0.2 | 0 | 65.5 | -0.2 | 0 | 65.5 | -0.2 | 0 |
| R130(K308) | 65.2 | 2 | 66.1 | -0.9 | 0 | 66.1 | -0.9 | 0 | 66.1 | -0.9 | 0 |
| R131(K299) | 65.9 | 1 | 66.7 | -0.8 | 0 | 66.7 | -0.8 | 0 | 66.7 | -0.8 | 0 |
| R134(K313) | 64.7 | 1 | 65.4 | -0.7 | 0 | 65.4 | -0.7 | 0 | 65.4 | -0.7 | 0 |
| R135(K346) | 66.1 | 1 | 66.1 | 0 | 0 | 66.1 | 0 | 0 | 66.1 | 0 | 0 |
| R136(K326) | 64.3 | 0 | 64.9 | -0.6 | 0 | 64.9 | -0.6 | 0 | 64.9 | -0.6 | 0 |
| R139(K409 R-47) | 71.9 | 15 | 63.1 | 8.8 | 15 | 62.5 | 9.4 | 15 | 61.8 | 10.1 | 15 |
| R140(K352) | 65.6 | 1 | 65.7 | -0.1 | 0 | 65.7 | -0.1 | 0 | 65.7 | -0.1 | 0 |
| R141(K317) | 64 | 1 | 64.8 | -0.8 | 0 | 64.8 | -0.8 | 0 | 64.8 | -0.8 | 0 |
| R142(K368) | 67.3 | 1 | 67.3 | 0 | 0 | 67.3 | 0 | 0 | 66.4 | 0.9 | 0 |
| R148(K360) | 64.7 | 1 | 64.7 | 0 | 0 | 64.7 | 0 | 0 | 64.7 | 0 | 0 |
| R150(K353) | 60.6 | 2 | 60.8 | -0.2 | 0 | 60.8 | -0.2 | 0 | 60.8 | -0.2 | 0 |

Table D11: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B11

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R151(K337) | 56.1 | 3 | 56.1 | 0 | 0 | 56.1 | 0 | 0 | 56.1 | 0 | 0 |
| R152(K373) | 68.6 | 1 | 68.6 | 0 | 0 | 68 | 0.6 | 0 | 67.2 | 1.4 | 0 |
| R153(K379) | 69.1 | 1 | 69.1 | 0 | 0 | 68 | 1.1 | 0 | 67.1 | 2 | 0 |
| R154(K358) | 59.2 | 2 | 59.2 | 0 | 0 | 59.2 | 0 | 0 | 59.2 | 0 | 0 |
| R155(K362) | 61.3 | 1 | 61.3 | 0 | 0 | 61.3 | 0 | 0 | 61.2 | 0.1 | 0 |
| R156(K344) | 61.6 | 1 | 61.8 | -0.2 | 0 | 61.8 | -0.2 | 0 | 61.8 | -0.2 | 0 |
| R157(K347) | 62 | 1 | 62.3 | -0.3 | 0 | 62.3 | -0.3 | 0 | 62.3 | -0.3 | 0 |
| R158(K367) | 60 | 1 | 60.2 | -0.2 | 0 | 60.2 | -0.2 | 0 | 60.2 | -0.2 | 0 |
| R159(K401) | 66 | 1 | 65.3 | 0.7 | 0 | 64.6 | 1.4 | 0 | 64.1 | 1.9 | 0 |
| R160(K382) | 69.6 | 1 | 69 | 0.6 | 0 | 68.1 | 1.5 | 0 | 67.4 | 2.2 | 0 |
| R162(K386) | 70.1 | 1 | 69 | 1.1 | 0 | 68.2 | 1.9 | 0 | 67.4 | 2.7 | 0 |
| R164(K332) | 61.9 | 0 | 62.6 | -0.7 | 0 | 62.6 | -0.7 | 0 | 62.6 | -0.7 | 0 |
| R168(K396) | 69.6 | 1 | 68.2 | 1.4 | 0 | 67.5 | 2.1 | 0 | 66.6 | 3 | 0 |
| R169(K388) | 69.9 | 1 | 68.7 | 1.2 | 0 | 67.9 | 2 | 0 | 67 | 2.9 | 0 |
| R171(K402) | 65.7 | 1 | 65 | 0.7 | 0 | 64.5 | 1.2 | 0 | 64 | 1.7 | 0 |
| R178(K371) | 56.4 | 1 | 56.4 | 0 | 0 | 56.4 | 0 | 0 | 56.2 | 0.2 | 0 |
| R181(K381) | 55.9 | 2 | 56.1 | -0.2 | 0 | 55.5 | 0.4 | 0 | 55.3 | 0.6 | 0 |
| R182(K378) | 54.4 | 1 | 54.4 | 0 | 0 | 54.4 | 0 | 0 | 54.5 | -0.1 | 0 |
| R183(K384) | 62.1 | 1 | 62.1 | 0 | 0 | 61.9 | 0.2 | 0 | 61.8 | 0.3 | 0 |
| R184(K389) | 62.1 | 1 | 62.1 | 0 | 0 | 62.1 | 0 | 0 | 62.1 | 0 | 0 |
| R186(K369) | 59.5 | 1 | 59.7 | -0.2 | 0 | 59.7 | -0.2 | 0 | 59.7 | -0.2 | 0 |
| R192(K427) | 67 | 1 | 66.8 | 0.2 | 0 | 66.5 | 0.5 | 0 | 66.2 | 0.8 | 0 |
| R193(K387) | 60.3 | 2 | 60.4 | -0.1 | 0 | 60.4 | -0.1 | 0 | 60.4 | -0.1 | 0 |
| R196(K400) | 64.4 | 4 | 64.5 | -0.1 | 0 | 64.3 | 0.1 | 0 | 64.2 | 0.2 | 0 |
| R197(K380) | 58.3 | 2 | 58.4 | -0.1 | 0 | 58.4 | -0.1 | 0 | 58.4 | -0.1 | 0 |

Table D11: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B11

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R199(K397) | 60.5 | 1 | 60.6 | -0.1 | 0 | 60.6 | -0.1 | 0 | 60.5 | 0 | 0 |
| R200(K432) | 67.5 | 1 | 67.2 | 0.3 | 0 | 67 | 0.5 | 0 | 66.7 | 0.8 | 0 |
| R201(K383) | 57.9 | 2 | 58 | -0.1 | 0 | 58 | -0.1 | 0 | 58 | -0.1 | 0 |
| R202(K413) | 63.5 | 2 | 63.8 | -0.3 | 0 | 63.8 | -0.3 | 0 | 63.5 | 0 | 0 |
| R206(K445) | 67.1 | 4 | 66.9 | 0.2 | 0 | 66.8 | 0.3 | 0 | 66.6 | 0.5 | 0 |
| R207(K420) | 63.6 | 2 | 63.9 | -0.3 | 0 | 63.8 | -0.2 | 0 | 63.5 | 0.1 | 0 |
| R210(K425) | 61.4 | 1 | 61.7 | -0.3 | 0 | 61.7 | -0.3 | 0 | 61.7 | -0.3 | 0 |
| R212(K454) | 66.8 | 4 | 66.6 | 0.2 | 0 | 66.5 | 0.3 | 0 | 66.3 | 0.5 | 0 |
| R214(K435) | 60.6 | 1 | 60.9 | -0.3 | 0 | 60.9 | -0.3 | 0 | 60.9 | -0.3 | 0 |
| R216(K422) | 60.3 | 1 | 60.4 | -0.1 | 0 | 60.4 | -0.1 | 0 | 60.1 | 0.2 | 0 |
| R218(K461) | 67 | 1 | 67 | 0 | 0 | 66.9 | 0.1 | 0 | 66.8 | 0.2 | 0 |
| R222(K439) | 58.3 | 4 | 58.3 | 0 | 0 | 58.3 | 0 | 0 | 58.3 | 0 | 0 |
| R223(K444) | 59.9 | 1 | 59.9 | 0 | 0 | 59.9 | 0 | 0 | 59.9 | 0 | 0 |
| R225(K412) | 52.1 | 1 | 54.9 | -2.8 | 0 | 54.9 | -2.8 | 0 | 54.9 | -2.8 | 0 |
| R226(K447) | 60.4 | 1 | 60.4 | 0 | 0 | 60.4 | 0 | 0 | 60.4 | 0 | 0 |
| R228(K419) | 48.2 | 1 | 53 | -4.8 | 0 | 53 | -4.8 | 0 | 53 | -4.8 | 0 |
| R229(K430) | 52.7 | 1 | 52.7 | 0 | 0 | 52.7 | 0 | 0 | 52.8 | -0.1 | 0 |
| R97a(K115) | 73.2 | 3.5 | 70.9 | 2.3 | 0 | 69.7 | 3.5 | 0 | 68.9 | 4.3 | 0 |
| R97b(K115) | 71.1 | 3.5 | 65.7 | 5.4 | 3.5 | 64.8 | 6.3 | 3.5 | 63.9 | 7.2 | 3.5 |
| R97c(K115) | 70.3 | 3.5 | 61.2 | 9.1 | 3.5 | 60.5 | 9.8 | 3.5 | 60 | 10.3 | 3.5 |
| R97d(K115) | 67.7 | 3.5 | 58.3 | 9.4 | 3.5 | 58.1 | 9.6 | 3.5 | 57.8 | 9.9 | 3.5 |
| R97e(K115) | 67.5 | 3.5 | 58 | 9.5 | 3.5 | 57.7 | 9.8 | 3.5 | 57.5 | 10 | 3.5 |
| R97f(K115) | 68.4 | 3.5 | 58.5 | 9.9 | 3.5 | 58.1 | 10.3 | 3.5 | 57.8 | 10.6 | 3.5 |
| R97g(K115) | 71.2 | 3.5 | 66.5 | 4.7 | 0 | 64.8 | 6.4 | 3.5 | 63.2 | 8 | 3.5 |
| R97h(K115) | 70.9 | 3.5 | 67.5 | 3.4 | 0 | 66.3 | 4.6 | 0 | 65.1 | 5.8 | 3.5 |

Table D11: Alternative E Individual Property Noise Abatement Analysis Findings Barrier B11

| Receptor | Build With No Barrier L_{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|------------|---|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R97i(K115) | 68.5 | 3.5 | 69.3 | -0.8 | 0 | 69.3 | -0.8 | 0 | 69.2 | -0.7 | 0 |
| R97j(K115) | 69.2 | 3.5 | 69.3 | -0.1 | 0 | 69.2 | 0 | 0 | 68.8 | 0.4 | 0 |
| R97k(K115) | 68.6 | 3.5 | 64.9 | 3.7 | 0 | 64.3 | 4.3 | 0 | 63.8 | 4.8 | 0 |
| R97l(K115) | 68 | 3.5 | 64.8 | 3.2 | 0 | 64.3 | 3.7 | 0 | 63.7 | 4.3 | 0 |
| R97m(K115) | 68.5 | 3.5 | 59 | 9.5 | 3.5 | 58.7 | 9.8 | 3.5 | 58.3 | 10.2 | 3.5 |
| R97n(K115) | 69.2 | 3.5 | 58.2 | 11 | 3.5 | 57.8 | 11.4 | 3.5 | 57.5 | 11.7 | 3.5 |
| R97o(K115) | 75.1 | 3.5 | 75.1 | 0 | 0 | 75.1 | 0 | 0 | 75.1 | 0 | 0 |

Summary - Alternative E Individual Property Noise Abatement Analysis Findings Barrier B11

| Barrier B11 | | 18 feet High Barrier | | 20 feet High Barrier | | 22 feet High Barrier | |
|---|-------|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 160 | Total Number of Benefited Dwelling Units | 43 | Total Number of Benefited Dwelling Units | 47 | Total Number of Benefited Dwelling Units | 51 |
| Total Number of Impacted Dwelling Units | 105 | Total Number of Benefited Impacted Dwelling Units | 40 | Total Number of Benefited Impacted Dwelling Units | 43 | Total Number of Benefited Impacted Dwelling Units | 49 |
| Barrier Length (feet) | 1,473 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 91.9% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 84.1% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 91.2% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 37.6% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 42.9% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 47.0% |
| | | Maximum Noise Reduction dB(A) | 11.0 | Maximum Noise Reduction dB(A) | 11.4 | Maximum Noise Reduction dB(A) | 11.7 |
| | | Estimated Total Barrier Cost (\$) | \$795,420 | Estimated Total Barrier Cost (\$) | \$883,800 | Estimated Total Barrier Cost (\$) | \$972,180 |
| | | Cost/Benefit Dwelling Unit | \$18,498 | Cost/Benefit Dwelling Unit | \$18,804 | Cost/Benefit Dwelling Unit | \$19,062 |

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Appendix E

FHWA TNM Version 2.5 Determined Noise Reduction Levels Achieved For Proposed Noise Barriers Located in Kentucky for Alternative I

| Table Number | Table Name | Page Number |
|--------------|---|-------------|
| E1 | Alternative I Individual Property Noise Abatement Analysis Findings Barrier B12 | E-1 |
| E2 | Alternative I Individual Property Noise Abatement Analysis Findings Barrier B13 | E-5 |
| E3 | Alternative I Individual Property Noise Abatement Analysis Findings Barrier B14 | E-8 |
| E4 | Alternative I Individual Property Noise Abatement Analysis Findings Barrier B15 | E-11 |
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Table E1: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B12

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R69(K407) | 70.1 | 4 | 67.5 | 2.6 | 0 | 67.4 | 2.7 | 0 | 67 | 3.1 | 0 |
| R71(K440) | 69.7 | 1 | 68.6 | 1.1 | 0 | 68.4 | 1.3 | 0 | 68.1 | 1.6 | 0 |
| R72(K18) | 70 | 1 | 68.7 | 1.3 | 0 | 68.4 | 1.6 | 0 | 68.1 | 1.9 | 0 |
| R74(K456) | 69.7 | 1 | 68.7 | 1 | 0 | 68.5 | 1.2 | 0 | 68.3 | 1.4 | 0 |
| R76(K418) | 71.6 | 4 | 66.3 | 5.3 | 4 | 65.8 | 5.8 | 4 | 65.4 | 6.2 | 4 |
| R77(KV418) | 74.3 | 1 | 72.9 | 1.4 | 0 | 72.6 | 1.7 | 0 | 72.3 | 2 | 0 |
| R78(K470) | 68.6 | 1 | 68 | 0.6 | 0 | 67.9 | 0.7 | 0 | 67.7 | 0.9 | 0 |
| R80(KV460) | 73.7 | 1 | 73 | 0.7 | 0 | 72.6 | 1.1 | 0 | 72.1 | 1.6 | 0 |
| R81(K485) | 68 | 1 | 67.5 | 0.5 | 0 | 67.2 | 0.8 | 0 | 66.9 | 1.1 | 0 |
| R82(KV460) | 73.3 | 1 | 72.7 | 0.6 | 0 | 72.2 | 1.1 | 0 | 71.8 | 1.5 | 0 |
| R83(K513) | 66.3 | 1 | 65.7 | 0.6 | 0 | 65.5 | 0.8 | 0 | 65.3 | 1 | 0 |
| R85(K494) | 67.5 | 1 | 66.8 | 0.7 | 0 | 66.4 | 1.1 | 0 | 65.9 | 1.6 | 0 |
| R86(K460) | 68.7 | 1 | 67.4 | 1.3 | 0 | 66.3 | 2.4 | 0 | 65.4 | 3.3 | 0 |
| R87(K467) | 67 | 1 | 65.9 | 1.1 | 0 | 64.9 | 2.1 | 0 | 64 | 3 | 0 |
| R88(K474) | 63.5 | 1 | 64.8 | -1.3 | 0 | 63.8 | -0.3 | 0 | 62.9 | 0.6 | 0 |
| R90(K532) | 68.4 | 1 | 67.8 | 0.6 | 0 | 67.3 | 1.1 | 0 | 67 | 1.4 | 0 |
| R91(K488) | 64.1 | 1 | 64.2 | -0.1 | 0 | 63.6 | 0.5 | 0 | 63.3 | 0.8 | 0 |
| R92(K518) | 70 | 1 | 68.3 | 1.7 | 0 | 67.7 | 2.3 | 0 | 67.2 | 2.8 | 0 |
| R96(K526) | 66.7 | 1 | 62.7 | 4 | 0 | 62.2 | 4.5 | 0 | 61.8 | 4.9 | 0 |
| R98(K480) | 76.4 | 1 | 70.5 | 5.9 | 1 | 69.6 | 6.8 | 1 | 68 | 8.4 | 1 |
| M-22(K484) | 76.3 | 1 | 71.6 | 4.7 | 0 | 70.6 | 5.7 | 1 | 68.9 | 7.4 | 1 |
| R101(K492) | 76.1 | 1 | 71.4 | 4.7 | 0 | 69.8 | 6.3 | 1 | 68.2 | 7.9 | 1 |
| R102(K15) | 75 | 1 | 67.8 | 7.2 | 1 | 65.9 | 9.1 | 1 | 64.6 | 10.4 | 1 |
| R103(K1771) | 67.5 | 1 | 66.9 | 0.6 | 0 | 66.6 | 0.9 | 0 | 66.5 | 1 | 0 |
| R104(K1832) | 67.3 | 1 | 66.9 | 0.4 | 0 | 66.7 | 0.6 | 0 | 66.6 | 0.7 | 0 |

Table E1: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B12

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R105(K524) | 75 | 2 | 67.4 | 7.6 | 2 | 65.7 | 9.3 | 2 | 64.6 | 10.4 | 2 |
| R106(KV492) | 75.9 | 1 | 74.1 | 1.8 | 0 | 73.2 | 2.7 | 0 | 72.3 | 3.6 | 0 |
| R107(K541) | 66.7 | 1 | 64.3 | 2.4 | 0 | 63.6 | 3.1 | 0 | 63 | 3.7 | 0 |
| R111(K527) | 74.9 | 1 | 65.6 | 9.3 | 1 | 64.6 | 10.3 | 1 | 63.8 | 11.1 | 1 |
| R112(K1841) | 67.5 | 1 | 67.1 | 0.4 | 0 | 66.9 | 0.6 | 0 | 66.6 | 0.9 | 0 |
| R113(K548) | 69.3 | 1 | 64.4 | 4.9 | 0 | 63.6 | 5.7 | 1 | 63.2 | 6.1 | 1 |
| R114(K1846) | 67.7 | 1 | 67.1 | 0.6 | 0 | 67 | 0.7 | 0 | 66.7 | 1 | 0 |
| R115(KV536) | 74.8 | 1 | 72.8 | 2 | 0 | 72 | 2.8 | 0 | 71.2 | 3.6 | 0 |
| R116(K1816) | 68.8 | 1 | 67.6 | 1.2 | 0 | 67.3 | 1.5 | 0 | 67.1 | 1.7 | 0 |
| R117(KV1846) | 68.7 | 1 | 68.1 | 0.6 | 0 | 67.9 | 0.8 | 0 | 67.6 | 1.1 | 0 |
| R120(KV1795) | 72.7 | 1 | 70.7 | 2 | 0 | 70.2 | 2.5 | 0 | 69.4 | 3.3 | 0 |
| R123(K536) | 74.9 | 2 | 64.6 | 10.3 | 2 | 63.9 | 11 | 2 | 63.3 | 11.6 | 2 |
| R125(K1795) | 68 | 1 | 67.1 | 0.9 | 0 | 66.8 | 1.2 | 0 | 66.7 | 1.3 | 0 |
| R127(K1800) | 70 | 1 | 67.5 | 2.5 | 0 | 67.4 | 2.6 | 0 | 67.1 | 2.9 | 0 |
| R128(K1877) | 68.1 | 1 | 67.3 | 0.8 | 0 | 67.1 | 1 | 0 | 66.9 | 1.2 | 0 |
| R132(K545) | 75.2 | 1 | 64.2 | 11 | 1 | 63.7 | 11.5 | 1 | 62.9 | 12.3 | 1 |
| R133(K1811) | 66.6 | 1 | 63.5 | 3.1 | 0 | 63.4 | 3.2 | 0 | 63.1 | 3.5 | 0 |
| R138(K552) | 75.5 | 1 | 65 | 10.5 | 1 | 64.4 | 11.1 | 1 | 63.8 | 11.7 | 1 |
| R143(K562) | 75.6 | 1 | 65.4 | 10.2 | 1 | 64.9 | 10.7 | 1 | 64.3 | 11.3 | 1 |
| R144(K1784) | 75.7 | 1 | 66.1 | 9.6 | 1 | 65.4 | 10.3 | 1 | 64.9 | 10.8 | 1 |
| R146(K1772) | 66 | 1 | 63.7 | 2.3 | 0 | 63.5 | 2.5 | 0 | 63.5 | 2.5 | 0 |
| R147(KV1801) | 74 | 1 | 71 | 3 | 0 | 70.1 | 3.9 | 0 | 69.3 | 4.7 | 0 |
| R149(K1790 R-48) | 75.8 | 1 | 66.9 | 8.9 | 1 | 66.1 | 9.7 | 1 | 65.7 | 10.1 | 1 |
| R161(K1777) | 63.2 | 1 | 62.2 | 1 | 0 | 62.1 | 1.1 | 0 | 61.9 | 1.3 | 0 |
| R163(K1801) | 75.3 | 1 | 65.8 | 9.5 | 1 | 65 | 10.3 | 1 | 64 | 11.3 | 1 |

Table E1: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B12

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R165(K1885) | 66.8 | 0 | 66.7 | 0.1 | 0 | 66.7 | 0.1 | 0 | 66.7 | 0.1 | 0 |
| R166(K1828) | 63.3 | 1 | 62.3 | 1 | 0 | 62.2 | 1.1 | 0 | 62 | 1.3 | 0 |
| R167(K1883) | 66.6 | 0 | 66.4 | 0.2 | 0 | 66.4 | 0.2 | 0 | 66.4 | 0.2 | 0 |
| R170(K1812) | 74.6 | 1 | 65.6 | 9 | 1 | 64.7 | 9.9 | 1 | 63.9 | 10.7 | 1 |
| R172(K1839) | 63.1 | 1 | 62.1 | 1 | 0 | 61.9 | 1.2 | 0 | 61.7 | 1.4 | 0 |
| R173(K1882) | 66.7 | 0 | 66.4 | 0.3 | 0 | 66.4 | 0.3 | 0 | 66.4 | 0.3 | 0 |
| R174(K1765) | 67.7 | 0 | 67.4 | 0.3 | 0 | 67.4 | 0.3 | 0 | 67.4 | 0.3 | 0 |
| R176(K1759) | 66.1 | 0 | 66.8 | -0.7 | 0 | 66.8 | -0.7 | 0 | 66.7 | -0.6 | 0 |
| R177(K1770) | 74 | 1 | 65.6 | 8.4 | 1 | 64.9 | 9.1 | 1 | 64.1 | 9.9 | 1 |
| R179(K1879) | 67.1 | 0 | 66.9 | 0.2 | 0 | 66.5 | 0.6 | 0 | 66.4 | 0.7 | 0 |
| R185(K1820) | 73.1 | 1 | 64.8 | 8.3 | 1 | 64.2 | 8.9 | 1 | 64 | 9.1 | 1 |
| R187(K1755) | 65.6 | 1 | 66.3 | -0.7 | 0 | 66.2 | -0.6 | 0 | 66.2 | -0.6 | 0 |
| R189(K1873) | 66.3 | 1 | 66.3 | 0 | 0 | 66.2 | 0.1 | 0 | 66.2 | 0.1 | 0 |
| R190(K1834) | 72.5 | 1 | 65.3 | 7.2 | 1 | 65 | 7.5 | 1 | 64.9 | 7.6 | 1 |
| R191(K1871) | 66.6 | 1 | 66.7 | -0.1 | 0 | 66.7 | -0.1 | 0 | 66.6 | 0 | 0 |
| R194(K1864) | 66.6 | 1 | 67.2 | -0.6 | 0 | 67.2 | -0.6 | 0 | 67.2 | -0.6 | 0 |
| R195(K1844) | 71.1 | 1 | 65.3 | 5.8 | 1 | 65.2 | 5.9 | 1 | 65.2 | 5.9 | 1 |
| R198(K1850) | 71.1 | 1 | 66.8 | 4.3 | 0 | 66.8 | 4.3 | 0 | 66.8 | 4.3 | 0 |
| R205(K1861) | 71 | 2 | 68.1 | 2.9 | 0 | 68.1 | 2.9 | 0 | 68.1 | 2.9 | 0 |
| R272(K722) | 69.3 | 1 | 71.1 | -1.8 | 0 | 71.1 | -1.8 | 0 | 71.1 | -1.8 | 0 |
| R273(K729) | 68.3 | 3 | 70.8 | -2.5 | 0 | 70.8 | -2.5 | 0 | 70.8 | -2.5 | 0 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B12

| Barrier B12 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 76 | Total Number of Benefited Dwelling Units | 22 | Total Number of Benefited Dwelling Units | 25 | Total Number of Benefited Dwelling Units | 25 |
| Total Number of Impacted Dwelling Units | 65 | Total Number of Benefited Impacted Dwelling Units | 22 | Total Number of Benefited Impacted Dwelling Units | 25 | Total Number of Benefited Impacted Dwelling Units | 25 |
| Barrier Length (feet) | 1,151 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 72.7% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 64.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 76.0% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 33.8% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 38.5% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 38.5% |
| | | Maximum Noise Reduction dB(A) | 11.0 | Maximum Noise Reduction dB(A) | 11.5 | Maximum Noise Reduction dB(A) | 12.3 |
| | | Estimated Total Barrier Cost (\$) | \$690,600 | Estimated Total Barrier Cost (\$) | \$759,660 | Estimated Total Barrier Cost (\$) | \$828,720 |
| | | Cost/Benefit Dwelling Unit | \$31,391 | Cost/Benefit Dwelling Unit | \$30,386 | Cost/Benefit Dwelling Unit | \$33,149 |

Table E2: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B13

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R175(K1915) | 68.3 | 1 | 69.4 | -1.1 | 0 | 69.1 | -0.8 | 0 | 68.8 | -0.5 | 0 |
| R180(K1909) | 68.9 | 1 | 69.4 | -0.5 | 0 | 69 | -0.1 | 0 | 68.8 | 0.1 | 0 |
| R188(K1903) | 63.4 | 1 | 65.6 | -2.2 | 0 | 65.5 | -2.1 | 0 | 65.3 | -1.9 | 0 |
| R203(K1913) | 58.4 | 1 | 60.6 | -2.2 | 0 | 60.5 | -2.1 | 0 | 60.3 | -1.9 | 0 |
| R204(K1891) | 67.7 | 1 | 68 | -0.3 | 0 | 67.6 | 0.1 | 0 | 67.3 | 0.4 | 0 |
| R208(K1764) | 68.6 | 20 | 68.5 | 0.1 | 0 | 68.4 | 0.2 | 0 | 68.4 | 0.2 | 0 |
| R209(K1897) | 65.5 | 1 | 65.4 | 0.1 | 0 | 65 | 0.5 | 0 | 64.6 | 0.9 | 0 |
| R211(K1761) | 71.6 | 1 | 69.3 | 2.3 | 0 | 69.3 | 2.3 | 0 | 69.2 | 2.4 | 0 |
| R213(K1905) | 66.3 | 1 | 64.8 | 1.5 | 0 | 64.1 | 2.2 | 0 | 63.6 | 2.7 | 0 |
| R215(K1926) | 61.6 | 3 | 60.4 | 1.2 | 0 | 59.8 | 1.8 | 0 | 58.5 | 3.1 | 0 |
| R217(K1932) | 59 | 1 | 58.9 | 0.1 | 0 | 58.8 | 0.2 | 0 | 58.3 | 0.7 | 0 |
| R219(K1910) | 66.7 | 1 | 63.7 | 3 | 0 | 63.2 | 3.5 | 0 | 62.6 | 4.1 | 0 |
| R221(K1938) | 63 | 1 | 62 | 1 | 0 | 61.4 | 1.6 | 0 | 60.6 | 2.4 | 0 |
| R224(K1919) | 68 | 2 | 65.6 | 2.4 | 0 | 64.7 | 3.3 | 0 | 64.2 | 3.8 | 0 |
| R227(K1944) | 62.9 | 1 | 61.4 | 1.5 | 0 | 60.6 | 2.3 | 0 | 59.3 | 3.6 | 0 |
| R230(K1927) | 68.1 | 2 | 65.6 | 2.5 | 0 | 64.8 | 3.3 | 0 | 64.3 | 3.8 | 0 |
| R231(K626) | 60.5 | 3 | 60.6 | -0.1 | 0 | 60.3 | 0.2 | 0 | 60 | 0.5 | 0 |
| R236(K1937) | 68 | 1 | 65.7 | 2.3 | 0 | 64.9 | 3.1 | 0 | 64.4 | 3.6 | 0 |
| R237(K620) | 65.8 | 1 | 64.7 | 1.1 | 0 | 64.2 | 1.6 | 0 | 63.3 | 2.5 | 0 |
| R239(K649) | 52.1 | 0 | 53.2 | -1.1 | 0 | 53.2 | -1.1 | 0 | 53.1 | -1 | 0 |
| R240(K1954) | 65.4 | 1 | 62.6 | 2.8 | 0 | 61.8 | 3.6 | 0 | 61.4 | 4 | 0 |
| R242(K644) | 52 | 0 | 53.2 | -1.2 | 0 | 53.2 | -1.2 | 0 | 53.2 | -1.2 | 0 |
| R243(K1948) | 68 | 1 | 63 | 5 | 1 | 62 | 6 | 1 | 61.4 | 6.6 | 1 |
| R246(K1963) | 64.6 | 1 | 62 | 2.6 | 0 | 61.5 | 3.1 | 0 | 61.2 | 3.4 | 0 |
| R247(K643) | 51.9 | 0 | 53.1 | -1.2 | 0 | 53.1 | -1.2 | 0 | 53.1 | -1.2 | 0 |

Table E2: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B13

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-----------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R249(K1947) | 69.3 | 3 | 62 | 7.3 | 3 | 61.1 | 8.2 | 3 | 60.7 | 8.6 | 3 |
| R250(K642) | 54.3 | 0 | 55.2 | -0.9 | 0 | 55.1 | -0.8 | 0 | 55.1 | -0.8 | 0 |
| R251(K1966) | 61.8 | 0 | 59.2 | 2.6 | 0 | 58.6 | 3.2 | 0 | 57.4 | 4.4 | 0 |
| R256(K641) | 57.2 | 0 | 57.3 | -0.1 | 0 | 57 | 0.2 | 0 | 56.8 | 0.4 | 0 |
| R258(K614) | 68.4 | 1 | 65.1 | 3.3 | 0 | 63.9 | 4.5 | 0 | 62.9 | 5.5 | 1 |
| R259(K639) | 65 | 0 | 64.2 | 0.8 | 0 | 63.7 | 1.3 | 0 | 62.9 | 2.1 | 0 |
| R262(K613) | 69.1 | 1 | 65.3 | 3.8 | 0 | 64.2 | 4.9 | 0 | 62.6 | 6.5 | 1 |
| R266(K610) | 69.4 | 1 | 65 | 4.4 | 0 | 63.8 | 5.6 | 1 | 61.5 | 7.9 | 1 |
| R267(K608) | 70.2 | 1 | 65.1 | 5.1 | 1 | 63.1 | 7.1 | 1 | 62.2 | 8 | 1 |
| R269(K607) | 71 | 1 | 66.3 | 4.7 | 0 | 64.4 | 6.6 | 1 | 64 | 7 | 1 |
| R270(K606 R-50) | 71.6 | 1 | 64.9 | 6.7 | 1 | 64.3 | 7.3 | 1 | 64 | 7.6 | 1 |
| R272(K722) | 69.3 | 1 | 71.4 | -2.1 | 0 | 71.4 | -2.1 | 0 | 71.3 | -2 | 0 |
| R273(K729) | 68.3 | 3 | 71.1 | -2.8 | 0 | 71 | -2.7 | 0 | 71 | -2.7 | 0 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B13

| Barrier B13 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-----|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 60 | Total Number of Benefited Dwelling Units | 6 | Total Number of Benefited Dwelling Units | 8 | Total Number of Benefited Dwelling Units | 10 |
| Total Number of Impacted Dwelling Units | 44 | Total Number of Benefited Impacted Dwelling Units | 3 | Total Number of Benefited Impacted Dwelling Units | 5 | Total Number of Benefited Impacted Dwelling Units | 7 |
| Barrier Length (feet) | 606 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 50.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 62.5% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 70.0% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 6.8% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 11.4% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 15.9% |
| | | Maximum Noise Reduction dB(A) | 7.3 | Maximum Noise Reduction dB(A) | 8.2 | Maximum Noise Reduction dB(A) | 8.6 |
| | | Estimated Total Barrier Cost (\$) | \$363,600 | Estimated Total Barrier Cost (\$) | \$399,960 | Estimated Total Barrier Cost (\$) | \$436,320 |
| | | Cost/Benefit Dwelling Unit | \$60,600 | Cost/Benefit Dwelling Unit | \$49,995 | Cost/Benefit Dwelling Unit | \$43,632 |

Table E3: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B14

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R272(K722) | 69.3 | 0 | 68.8 | 0.5 | 0 | 68.8 | 0.5 | 0 | 68.8 | 0.5 | 0 |
| R273(K729) | 68.3 | 0 | 67.9 | 0.4 | 0 | 67.9 | 0.4 | 0 | 67.9 | 0.4 | 0 |
| R275(K720) | 66.4 | 0 | 65.9 | 0.5 | 0 | 65.9 | 0.5 | 0 | 65.9 | 0.5 | 0 |
| R277(K680) | 72.5 | 25 | 72.2 | 0.3 | 0 | 72.2 | 0.3 | 0 | 72.2 | 0.3 | 0 |
| M-24(K655) | 73.3 | 1 | 72.2 | 1.1 | 0 | 72.2 | 1.1 | 0 | 72.1 | 1.2 | 0 |
| R282(K730) | 59 | 0 | 59.2 | -0.2 | 0 | 58 | 1 | 0 | 57.6 | 1.4 | 0 |
| R283(K735) | 58.3 | 0 | 58.5 | -0.2 | 0 | 57.2 | 1.1 | 0 | 56.9 | 1.4 | 0 |
| R285(K755) | 58.1 | 0 | 58.3 | -0.2 | 0 | 57.3 | 0.8 | 0 | 57 | 1.1 | 0 |
| R287(K645) | 73.5 | 1 | 71.8 | 1.7 | 0 | 71.7 | 1.8 | 0 | 71.7 | 1.8 | 0 |
| R288(K715) | 64.8 | 1 | 61.7 | 3.1 | 0 | 61.3 | 3.5 | 0 | 59.7 | 5.1 | 1 |
| R293(K699) | 66.3 | 1 | 64.4 | 1.9 | 0 | 64.2 | 2.1 | 0 | 63.5 | 2.8 | 0 |
| R295(K791) | 60 | 1 | 60 | 0 | 0 | 60 | 0 | 0 | 60 | 0 | 0 |
| R297(K909) | 60.6 | 5 | 60.7 | -0.1 | 0 | 60.7 | -0.1 | 0 | 60.1 | 0.5 | 0 |
| R298(K784) | 60 | 1 | 60 | 0 | 0 | 60 | 0 | 0 | 59.9 | 0.1 | 0 |
| R300(K775) | 53.2 | 1 | 53.2 | 0 | 0 | 53.2 | 0 | 0 | 53.2 | 0 | 0 |
| R301(K782) | 57.2 | 1 | 57.2 | 0 | 0 | 57.2 | 0 | 0 | 57.2 | 0 | 0 |
| R302(K966) | 48.8 | 0 | 48.7 | 0.1 | 0 | 48.7 | 0.1 | 0 | 48.7 | 0.1 | 0 |
| R303(K687) | 72.9 | 1 | 69 | 3.9 | 0 | 67.6 | 5.3 | 1 | 67.2 | 5.7 | 1 |
| R304(K963) | 59.3 | 0 | 59.5 | -0.2 | 0 | 59.5 | -0.2 | 0 | 58.8 | 0.5 | 0 |
| R307(K759) | 54.8 | 1 | 54.8 | 0 | 0 | 54.8 | 0 | 0 | 54.8 | 0 | 0 |
| R308(K682) | 74.2 | 1 | 65.4 | 8.8 | 1 | 64 | 10.2 | 1 | 63 | 11.2 | 1 |
| R309(K779) | 62.2 | 3 | 62.3 | -0.1 | 0 | 61.8 | 0.4 | 0 | 61.1 | 1.1 | 0 |
| R311(K692) | 69.2 | 1 | 68.6 | 0.6 | 0 | 67.4 | 1.8 | 0 | 66.8 | 2.4 | 0 |
| R312(K950) | 59.7 | 0 | 59.9 | -0.2 | 0 | 59.8 | -0.1 | 0 | 58.9 | 0.8 | 0 |
| R315(K942) | 60 | 0 | 60.1 | -0.1 | 0 | 60 | 0 | 0 | 59 | 1 | 0 |

Table E3: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B14

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R316(K935) | 60.4 | 0 | 60.6 | -0.2 | 0 | 60.3 | 0.1 | 0 | 59.6 | 0.8 | 0 |
| R317(K923) | 60.1 | 0 | 60.3 | -0.2 | 0 | 59.3 | 0.8 | 0 | 58.5 | 1.6 | 0 |
| R318(K926) | 59.9 | 0 | 60.2 | -0.3 | 0 | 59.5 | 0.4 | 0 | 58.8 | 1.1 | 0 |
| R319(K737) | 65.4 | 1 | 65.3 | 0.1 | 0 | 65 | 0.4 | 0 | 64.7 | 0.7 | 0 |
| R320(K756) | 64.7 | 1 | 64.7 | 0 | 0 | 64.6 | 0.1 | 0 | 63.8 | 0.9 | 0 |
| R321(K916) | 59.7 | 0 | 60 | -0.3 | 0 | 59 | 0.7 | 0 | 58.3 | 1.4 | 0 |
| R323(K733) | 64.6 | 1 | 64.7 | -0.1 | 0 | 64.5 | 0.1 | 0 | 64.3 | 0.3 | 0 |
| R324(K745) | 66.9 | 1 | 67.2 | -0.3 | 0 | 65.9 | 1 | 0 | 65.2 | 1.7 | 0 |
| R326(K915) | 60.4 | 1 | 60.6 | -0.2 | 0 | 60 | 0.4 | 0 | 59.2 | 1.2 | 0 |
| R329(K736) | 69.5 | 1 | 68.7 | 0.8 | 0 | 67.5 | 2 | 0 | 66 | 3.5 | 0 |
| R331(K717) | 68.6 | 1 | 67.3 | 1.3 | 0 | 66.5 | 2.1 | 0 | 64.8 | 3.8 | 0 |
| R332(K910) | 60.8 | 1 | 60.5 | 0.3 | 0 | 60 | 0.8 | 0 | 59.3 | 1.5 | 0 |
| R337(K587) | 61.2 | 1 | 60.6 | 0.6 | 0 | 60.2 | 1 | 0 | 59.2 | 2 | 0 |
| R338(K718) | 70.2 | 1 | 66.3 | 3.9 | 0 | 65.1 | 5.1 | 1 | 63.8 | 6.4 | 1 |
| R339(K583) | 61.1 | 1 | 60.4 | 0.7 | 0 | 59.9 | 1.2 | 0 | 58.9 | 2.2 | 0 |
| R340(K576) | 62.3 | 1 | 61.4 | 0.9 | 0 | 60.9 | 1.4 | 0 | 59.9 | 2.4 | 0 |
| R341(K568) | 64.3 | 1 | 62.6 | 1.7 | 0 | 61.6 | 2.7 | 0 | 60.5 | 3.8 | 0 |
| R342(K573) | 62.5 | 1 | 61.2 | 1.3 | 0 | 60.5 | 2 | 0 | 59.7 | 2.8 | 0 |
| R343(K785) | 68.1 | 2 | 64.4 | 3.7 | 0 | 62.7 | 5.4 | 2 | 61.1 | 7 | 2 |
| R345(K857) | 63.5 | 1 | 60.8 | 2.7 | 0 | 60.7 | 2.8 | 0 | 58.3 | 5.2 | 1 |
| R349(K714) | 72.9 | 2 | 65.1 | 7.8 | 2 | 64.7 | 8.2 | 2 | 63.8 | 9.1 | 2 |
| R355(K783) | 69.1 | 1 | 61.6 | 7.5 | 1 | 61 | 8.1 | 1 | 60.4 | 8.7 | 1 |
| R361(K773) | 69.9 | 1 | 61.6 | 8.3 | 1 | 61.3 | 8.6 | 1 | 61.1 | 8.8 | 1 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B14

| Barrier B14 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-----|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 66 | Total Number of Benefited Dwelling Units | 5 | Total Number of Benefited Dwelling Units | 9 | Total Number of Benefited Dwelling Units | 11 |
| Total Number of Impacted Dwelling Units | 41 | Total Number of Benefited Impacted Dwelling Units | 5 | Total Number of Benefited Impacted Dwelling Units | 9 | Total Number of Benefited Impacted Dwelling Units | 9 |
| Barrier Length (feet) | 504 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 100.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 55.6% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 45.5% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 12.2% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 22.0% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 22.0% |
| | | Maximum Noise Reduction dB(A) | 8.8 | Maximum Noise Reduction dB(A) | 10.2 | Maximum Noise Reduction dB(A) | 11.2 |
| | | Estimated Total Barrier Cost (\$) | \$302,400 | Estimated Total Barrier Cost (\$) | \$332,640 | Estimated Total Barrier Cost (\$) | \$362,880 |
| | | Cost/Benefit Dwelling Unit | \$60,480 | Cost/Benefit Dwelling Unit | \$36,960 | Cost/Benefit Dwelling Unit | \$32,989 |

Table E4: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B15

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R386(K988) | 50.5 | 0 | 50.5 | 0 | 0 | 50.5 | 0 | 0 | 50.5 | 0 | 0 |
| R387(K978) | 50.8 | 0 | 50.8 | 0 | 0 | 50.8 | 0 | 0 | 50.8 | 0 | 0 |
| R388(K997) | 52.7 | 0 | 52.6 | 0.1 | 0 | 52.6 | 0.1 | 0 | 52.6 | 0.1 | 0 |
| R389(K987) | 58.4 | 0 | 58.5 | -0.1 | 0 | 58.5 | -0.1 | 0 | 58.5 | -0.1 | 0 |
| R390(K995) | 57.6 | 0 | 57.7 | -0.1 | 0 | 57.7 | -0.1 | 0 | 57.7 | -0.1 | 0 |
| R391(K980) | 59.4 | 0 | 59.4 | 0 | 0 | 59.4 | 0 | 0 | 59.3 | 0.1 | 0 |
| R392(K1012) | 57.1 | 0 | 57.2 | -0.1 | 0 | 57.2 | -0.1 | 0 | 57.2 | -0.1 | 0 |
| R393(K811) | 59.8 | 0 | 59.8 | 0 | 0 | 59.8 | 0 | 0 | 59.8 | 0 | 0 |
| R394(K959) | 63 | 1 | 63.1 | -0.1 | 0 | 63.1 | -0.1 | 0 | 62.8 | 0.2 | 0 |
| R395(K971) | 61.9 | 1 | 62 | -0.1 | 0 | 62 | -0.1 | 0 | 62 | -0.1 | 0 |
| R396(KV811) | 67.7 | 0 | 67.6 | 0.1 | 0 | 67.6 | 0.1 | 0 | 67.5 | 0.2 | 0 |
| R397(K802) | 64 | 0 | 64 | 0 | 0 | 64 | 0 | 0 | 64 | 0 | 0 |
| R398(K804) | 62.2 | 0 | 62.2 | 0 | 0 | 62.2 | 0 | 0 | 62.2 | 0 | 0 |
| R399(K961) | 65.5 | 1 | 65.5 | 0 | 0 | 65.5 | 0 | 0 | 65.4 | 0.1 | 0 |
| R400(K949) | 68.5 | 1 | 68.6 | -0.1 | 0 | 68.6 | -0.1 | 0 | 68.5 | 0 | 0 |
| R401(K798) | 64.1 | 0 | 64.1 | 0 | 0 | 64.1 | 0 | 0 | 64.1 | 0 | 0 |
| R402(K796) | 64.2 | 0 | 64.2 | 0 | 0 | 64.2 | 0 | 0 | 64.2 | 0 | 0 |
| R403(K931) | 70.6 | 1 | 70.6 | 0 | 0 | 70.4 | 0.2 | 0 | 68.9 | 1.7 | 0 |
| R404(K1019) | 63.3 | 2 | 63.4 | -0.1 | 0 | 63.4 | -0.1 | 0 | 63.4 | -0.1 | 0 |
| R405(K1016) | 63.3 | 2 | 63.3 | 0 | 0 | 63.3 | 0 | 0 | 63.3 | 0 | 0 |
| R406(K928) | 71.8 | 1 | 71.7 | 0.1 | 0 | 71.4 | 0.4 | 0 | 69.8 | 2 | 0 |
| R407(K1013) | 62.8 | 2 | 62.8 | 0 | 0 | 62.8 | 0 | 0 | 62.8 | 0 | 0 |
| R408(K834) | 63.4 | 1 | 63.7 | -0.3 | 0 | 63.2 | 0.2 | 0 | 62.4 | 1 | 0 |
| R409(K1010) | 63.8 | 2 | 63.9 | -0.1 | 0 | 63.9 | -0.1 | 0 | 63.9 | -0.1 | 0 |
| R410(K1009) | 64.9 | 2 | 65 | -0.1 | 0 | 65 | -0.1 | 0 | 65 | -0.1 | 0 |

Table E4: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B15

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R411(K989) | 68.2 | 1 | 68.2 | 0 | 0 | 68.2 | 0 | 0 | 68.2 | 0 | 0 |
| R413(K833) | 64.2 | 2 | 64.6 | -0.4 | 0 | 63.9 | 0.3 | 0 | 63.1 | 1.1 | 0 |
| R414(K1005) | 70.4 | 1 | 70.4 | 0 | 0 | 70.4 | 0 | 0 | 70.4 | 0 | 0 |
| R415(K829) | 65.9 | 1 | 65.9 | 0 | 0 | 65.1 | 0.8 | 0 | 64.4 | 1.5 | 0 |
| R416(K1032) | 57.2 | 1 | 56.9 | 0.3 | 0 | 56.6 | 0.6 | 0 | 55.8 | 1.4 | 0 |
| R417(K999) | 73.7 | 1 | 73.7 | 0 | 0 | 73.6 | 0.1 | 0 | 73.2 | 0.5 | 0 |
| R418(K847) | 64.1 | 1 | 64.5 | -0.4 | 0 | 64.1 | 0 | 0 | 63.4 | 0.7 | 0 |
| R419(K828) | 66.4 | 1 | 66.3 | 0.1 | 0 | 65.7 | 0.7 | 0 | 64.8 | 1.6 | 0 |
| R420(K1038) | 57.2 | 1 | 56.7 | 0.5 | 0 | 56.5 | 0.7 | 0 | 55.7 | 1.5 | 0 |
| R424(K825) | 66.7 | 1 | 66.6 | 0.1 | 0 | 66.1 | 0.6 | 0 | 65.2 | 1.5 | 0 |
| R426(K824) | 67.4 | 1 | 67.5 | -0.1 | 0 | 66.9 | 0.5 | 0 | 66.3 | 1.1 | 0 |
| R427(K821) | 67.5 | 1 | 67.6 | -0.1 | 0 | 67.1 | 0.4 | 0 | 66.3 | 1.2 | 0 |
| R428(K1048) | 58.6 | 1 | 58.4 | 0.2 | 0 | 58.2 | 0.4 | 0 | 57.2 | 1.4 | 0 |
| R429(K850) | 67.7 | 1 | 67.5 | 0.2 | 0 | 66.9 | 0.8 | 0 | 66.3 | 1.4 | 0 |
| R432(K1054) | 60.4 | 1 | 60.7 | -0.3 | 0 | 60.4 | 0 | 0 | 59.8 | 0.6 | 0 |
| R433(K1020) | 68.2 | 2 | 67.7 | 0.5 | 0 | 67.1 | 1.1 | 0 | 66.3 | 1.9 | 0 |
| R434(K817) | 68.4 | 1 | 68.6 | -0.2 | 0 | 68.1 | 0.3 | 0 | 67 | 1.4 | 0 |
| R435(K864) | 63.6 | 1 | 64 | -0.4 | 0 | 63.9 | -0.3 | 0 | 63.6 | 0 | 0 |
| R436(K1026) | 68.8 | 1 | 68.2 | 0.6 | 0 | 67.5 | 1.3 | 0 | 66.6 | 2.2 | 0 |
| R438(K812) | 68 | 1 | 68.2 | -0.2 | 0 | 67.5 | 0.5 | 0 | 66.3 | 1.7 | 0 |
| R440(K813) | 68.5 | 1 | 68.8 | -0.3 | 0 | 68.1 | 0.4 | 0 | 66.4 | 2.1 | 0 |
| R441(K1030) | 68.9 | 1 | 68.1 | 0.8 | 0 | 67.4 | 1.5 | 0 | 66.4 | 2.5 | 0 |
| R443(K806) | 71.8 | 1 | 71.9 | -0.1 | 0 | 71.1 | 0.7 | 0 | 69.7 | 2.1 | 0 |
| R444(K814) | 71.4 | 1 | 71.8 | -0.4 | 0 | 71.3 | 0.1 | 0 | 70.3 | 1.1 | 0 |
| R445(K1035) | 68.9 | 2 | 68.1 | 0.8 | 0 | 67.4 | 1.5 | 0 | 66.3 | 2.6 | 0 |

Table E4: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B15

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R446(K803) | 72.1 | 1 | 72.2 | -0.1 | 0 | 71 | 1.1 | 0 | 69.5 | 2.6 | 0 |
| R448(K799) | 72.5 | 1 | 72.1 | 0.4 | 0 | 70.6 | 1.9 | 0 | 69 | 3.5 | 0 |
| R449(K872) | 61.7 | 1 | 61.5 | 0.2 | 0 | 61.3 | 0.4 | 0 | 61.1 | 0.6 | 0 |
| R451(KV903) | 70.1 | 1 | 69.8 | 0.3 | 0 | 69.6 | 0.5 | 0 | 69.5 | 0.6 | 0 |
| R453(K797) | 73.9 | 1 | 73.2 | 0.7 | 0 | 71.8 | 2.1 | 0 | 70.2 | 3.7 | 0 |
| R455(K1017) | 74.6 | 1 | 73.7 | 0.9 | 0 | 72.5 | 2.1 | 0 | 71.1 | 3.5 | 0 |
| R458(K875) | 61.4 | 1 | 60.7 | 0.7 | 0 | 59.6 | 1.8 | 0 | 59.1 | 2.3 | 0 |
| R459(K1043) | 69 | 2 | 67.9 | 1.1 | 0 | 67.3 | 1.7 | 0 | 66.3 | 2.7 | 0 |
| R466(K1050) | 69.1 | 2 | 68 | 1.1 | 0 | 67.3 | 1.8 | 0 | 66.4 | 2.7 | 0 |
| R472(KV903) | 70.6 | 1 | 70.2 | 0.4 | 0 | 70.1 | 0.5 | 0 | 69.9 | 0.7 | 0 |
| R480(K861) | 69.5 | 2 | 68.6 | 0.9 | 0 | 67.8 | 1.7 | 0 | 67 | 2.5 | 0 |
| R485(KV1061) | 70.8 | 1 | 70.4 | 0.4 | 0 | 70.3 | 0.5 | 0 | 70.2 | 0.6 | 0 |
| R488(K863) | 69.7 | 1 | 69.4 | 0.3 | 0 | 68.7 | 1 | 0 | 67.9 | 1.8 | 0 |
| R498(K869) | 69.7 | 2 | 69.4 | 0.3 | 0 | 68.6 | 1.1 | 0 | 67.9 | 1.8 | 0 |
| R513(K899) | 63.2 | 1 | 62.3 | 0.9 | 0 | 61.9 | 1.3 | 0 | 61.4 | 1.8 | 0 |
| R521(KV1061) | 71.3 | 1 | 70.9 | 0.4 | 0 | 70.8 | 0.5 | 0 | 70.6 | 0.7 | 0 |
| R524(K881) | 65.4 | 1 | 65.9 | -0.5 | 0 | 65.5 | -0.1 | 0 | 65.2 | 0.2 | 0 |
| R528(K903) | 63.7 | 1 | 61.6 | 2.1 | 0 | 60.7 | 3 | 0 | 59.8 | 3.9 | 0 |
| R534(K879) | 70.4 | 1 | 70.8 | -0.4 | 0 | 69.8 | 0.6 | 0 | 68.8 | 1.6 | 0 |
| M-28(K879) | 75.3 | 1 | 75.8 | -0.5 | 0 | 75.7 | -0.4 | 0 | 75.4 | -0.1 | 0 |
| R543(K886) | 69.7 | 2 | 68.3 | 1.4 | 0 | 67.3 | 2.4 | 0 | 66.3 | 3.4 | 0 |
| R549(KV1077) | 71.8 | 1 | 71.3 | 0.5 | 0 | 71.2 | 0.6 | 0 | 71 | 0.8 | 0 |
| R574(K891) | 72.3 | 1 | 71.8 | 0.5 | 0 | 71.1 | 1.2 | 0 | 69.9 | 2.4 | 0 |
| R582(K1061) | 64.3 | 1 | 62 | 2.3 | 0 | 60.9 | 3.4 | 0 | 60.1 | 4.2 | 0 |
| R588(KV1089) | 72.4 | 1 | 72 | 0.4 | 0 | 71.9 | 0.5 | 0 | 71.7 | 0.7 | 0 |

Table E4: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B15

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R603(K904) | 73.2 | 1 | 71.9 | 1.3 | 0 | 70.9 | 2.3 | 0 | 69.7 | 3.5 | 0 |
| R622(K907) | 73.5 | 1 | 71.5 | 2 | 0 | 70.2 | 3.3 | 0 | 68.7 | 4.8 | 0 |
| R628(K1077) | 68.3 | 1 | 65 | 3.3 | 0 | 63.3 | 5 | 1 | 62.5 | 5.8 | 1 |
| R630(K1058) | 74 | 1 | 71.5 | 2.5 | 0 | 70.1 | 3.9 | 0 | 68.5 | 5.5 | 1 |
| R632(K1079) | 70.1 | 1 | 66.4 | 3.7 | 0 | 64.7 | 5.4 | 1 | 63.6 | 6.5 | 1 |
| R635(K1062) | 74.4 | 1 | 71.6 | 2.8 | 0 | 70.4 | 4 | 0 | 68.7 | 5.7 | 1 |
| R638(K1065) | 75 | 1 | 72.2 | 2.8 | 0 | 70.7 | 4.3 | 0 | 69.3 | 5.7 | 1 |
| R639(K1089) | 73.1 | 1 | 69.1 | 4 | 0 | 67.6 | 5.5 | 1 | 66.6 | 6.5 | 1 |
| R640(K1069) | 75.4 | 1 | 72.7 | 2.7 | 0 | 71.2 | 4.2 | 0 | 69.4 | 6 | 1 |
| R642(K1075 R-54) | 76.1 | 1 | 73.5 | 2.6 | 0 | 71.9 | 4.2 | 0 | 70.3 | 5.8 | 1 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B15

| Barrier B15 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-----------|--|-----------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 85 | Total Number of Benefited Dwelling Units | 0 | Total Number of Benefited Dwelling Units | 3 | Total Number of Benefited Dwelling Units | 8 |
| Total Number of Impacted Dwelling Units | 58 | Total Number of Benefited Impacted Dwelling Units | 0 | Total Number of Benefited Impacted Dwelling Units | 3 | Total Number of Benefited Impacted Dwelling Units | 8 |
| Barrier Length (feet) | 1,407 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 0.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 0.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 0.0% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 0.0% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 5.2% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 13.8% |
| | | Maximum Noise Reduction dB(A) | 4 | Maximum Noise Reduction dB(A) | 5.5 | Maximum Noise Reduction dB(A) | 6.5 |
| | | Estimated Total Barrier Cost (\$) | \$844,200 | Estimated Total Barrier Cost (\$) | \$928,620 | Estimated Total Barrier Cost (\$) | \$1,013,040 |
| | | Cost/Benefit Dwelling Unit | \$0 | Cost/Benefit Dwelling Unit | \$309,540 | Cost/Benefit Dwelling Unit | \$126,630 |

Table E5: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B16

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R721(K1381) | 61.5 | 0 | 62.3 | -0.8 | 0 | 62.2 | -0.7 | 0 | 62.2 | -0.7 | 0 |
| R722(K1404) | 62.1 | 0 | 60.1 | 2 | 0 | 59.8 | 2.3 | 0 | 59.6 | 2.5 | 0 |
| R723(K1405) | 62.9 | 1 | 59.5 | 3.4 | 0 | 59.4 | 3.5 | 0 | 59.3 | 3.6 | 0 |
| R724(K1415) | 58.5 | 1 | 55.8 | 2.7 | 0 | 55.4 | 3.1 | 0 | 55.3 | 3.2 | 0 |
| R728(K1419) | 61.3 | 1 | 57.9 | 3.4 | 0 | 57.8 | 3.5 | 0 | 57.6 | 3.7 | 0 |
| R729(K1422) | 61.8 | 1 | 58.6 | 3.2 | 0 | 58.4 | 3.4 | 0 | 58.2 | 3.6 | 0 |
| R731(K1429) | 61.4 | 1 | 58.5 | 2.9 | 0 | 58.2 | 3.2 | 0 | 58 | 3.4 | 0 |
| R732(K65) | 63.1 | 1 | 59.1 | 4 | 0 | 58.9 | 4.2 | 0 | 58.8 | 4.3 | 0 |
| R738(K1412) | 66.8 | 1 | 61.6 | 5.2 | 1 | 60.7 | 6.1 | 1 | 60.1 | 6.7 | 1 |
| R739(K1424) | 66.9 | 1 | 59.6 | 7.3 | 1 | 59 | 7.9 | 1 | 58.6 | 8.3 | 1 |
| R740(K1454) | 66.1 | 1 | 60.6 | 5.5 | 1 | 60.4 | 5.7 | 1 | 60.3 | 5.8 | 1 |
| R742(K1450) | 63.9 | 0 | 59.1 | 4.8 | 0 | 58.9 | 5 | 0 | 58.8 | 5.1 | 0 |
| R746(K1458) | 68.9 | 1 | 63.6 | 5.3 | 1 | 63.5 | 5.4 | 1 | 63.4 | 5.5 | 1 |
| R750(K1435) | 70.1 | 1 | 59.8 | 10.3 | 1 | 59.2 | 10.9 | 1 | 58.7 | 11.4 | 1 |
| R751(K1427) | 70.1 | 1 | 61.2 | 8.9 | 1 | 60.4 | 9.7 | 1 | 59.7 | 10.4 | 1 |
| R752(K1438) | 71 | 1 | 60.5 | 10.5 | 1 | 59.8 | 11.2 | 1 | 59.2 | 11.8 | 1 |
| R753(K1472) | 68.3 | 26 | 63.1 | 5.2 | 26 | 63 | 5.3 | 26 | 62.9 | 5.4 | 26 |
| R758(K1448) | 72 | 1 | 61.7 | 10.3 | 1 | 60.9 | 11.1 | 1 | 60.3 | 11.7 | 1 |
| R760(K1433) | 70.6 | 1 | 61.7 | 8.9 | 1 | 61.1 | 9.5 | 1 | 60.5 | 10.1 | 1 |
| R762(K1455) | 73.7 | 1 | 62.6 | 11.1 | 1 | 61.7 | 12 | 1 | 61.2 | 12.5 | 1 |
| R765(K1459) | 75 | 1 | 63 | 12 | 1 | 62.2 | 12.8 | 1 | 61.6 | 13.4 | 1 |
| R768(K1437) | 72.8 | 1 | 61.8 | 11 | 1 | 61.3 | 11.5 | 1 | 60.8 | 12 | 1 |
| R773(KV1469) | 75.1 | 1 | 62.7 | 12.4 | 1 | 62.3 | 12.8 | 1 | 61.9 | 13.2 | 1 |
| R781(K1456) | 77.2 | 1 | 62.1 | 15.1 | 1 | 61.6 | 15.6 | 1 | 61 | 16.2 | 1 |
| M-46(K1469) | 78.6 | 1 | 63.1 | 15.5 | 1 | 62.3 | 16.3 | 1 | 61.6 | 17 | 1 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B16

| Barrier B16 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|------|--|-----------|--|-----------|--|-----------|
| Total Number of Dwelling Units behind Barrier | 47 | Total Number of Benefited Dwelling Units | 41 | Total Number of Benefited Dwelling Units | 41 | Total Number of Benefited Dwelling Units | 41 |
| Total Number of Impacted Dwelling Units | 15 | Total Number of Benefited Impacted Dwelling Units | 15 | Total Number of Benefited Impacted Dwelling Units | 15 | Total Number of Benefited Impacted Dwelling Units | 15 |
| Barrier Length (feet) | 1041 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 29.3% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 29.3% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 29.3% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 100.0% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 100.0% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 100.0% |
| | | Maximum Noise Reduction dB(A) | 15.5 | Maximum Noise Reduction dB(A) | 16.3 | Maximum Noise Reduction dB(A) | 17 |
| | | Estimated Total Barrier Cost (\$) | \$624,600 | Estimated Total Barrier Cost (\$) | \$687,060 | Estimated Total Barrier Cost (\$) | \$749,520 |
| | | Cost/Benefit Dwelling Unit | \$15,234 | Cost/Benefit Dwelling Unit | \$16,758 | Cost/Benefit Dwelling Unit | \$18,281 |

Table E6: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B17

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R709(K1471) | 64.7 | 6 | 63.3 | 1.4 | 0 | 63.2 | 1.5 | 0 | 63.1 | 1.6 | 0 |
| R710(K64) | 63.3 | 1 | 60 | 3.3 | 0 | 59.7 | 3.6 | 0 | 59.5 | 3.8 | 0 |
| R711(K1474) | 65.7 | 1 | 62 | 3.7 | 0 | 61.5 | 4.2 | 0 | 61.3 | 4.4 | 0 |
| R714(K1493) | 71.1 | 4 | 66.2 | 4.9 | 0 | 65.8 | 5.3 | 4 | 65.5 | 5.6 | 4 |
| R715(K1481) | 68.2 | 1 | 61.3 | 6.9 | 1 | 60.6 | 7.6 | 1 | 59.9 | 8.3 | 1 |
| R717(K1266) | 74.3 | 0 | 74.3 | 0 | 0 | 74.3 | 0 | 0 | 74.3 | 0 | 0 |
| R726(K1487) | 70 | 1 | 62.3 | 7.7 | 1 | 61.5 | 8.5 | 1 | 60.7 | 9.3 | 1 |
| R734(K1201) | 74.3 | 6 | 66.5 | 7.8 | 6 | 65.9 | 8.4 | 6 | 65.4 | 8.9 | 6 |
| R744(K1497) | 72.4 | 1 | 65.2 | 7.2 | 1 | 64.3 | 8.1 | 1 | 63.7 | 8.7 | 1 |
| R755(K1488) | 72 | 1 | 65 | 7 | 1 | 64.2 | 7.8 | 1 | 63.4 | 8.6 | 1 |
| R779(K1195) | 71.7 | 1 | 64.8 | 6.9 | 1 | 63.9 | 7.8 | 1 | 63.2 | 8.5 | 1 |
| R801(K1205) | 69.2 | 1 | 64.2 | 5 | 1 | 63.7 | 5.5 | 1 | 63.2 | 6 | 1 |
| M-48(K37) | 62.4 | 1 | 61.1 | 1.3 | 0 | 61 | 1.4 | 0 | 60.6 | 1.8 | 0 |
| R822(K1204) | 66.8 | 1 | 63.8 | 3 | 0 | 63.2 | 3.6 | 0 | 62.7 | 4.1 | 0 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B17

| Barrier B17 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-----------|--|-----------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 26 | Total Number of Benefited Dwelling Units | 12 | Total Number of Benefited Dwelling Units | 16 | Total Number of Benefited Dwelling Units | 16 |
| Total Number of Impacted Dwelling Units | 17 | Total Number of Benefited Impacted Dwelling Units | 12 | Total Number of Benefited Impacted Dwelling Units | 16 | Total Number of Benefited Impacted Dwelling Units | 16 |
| Barrier Length (feet) | 1,453 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 75.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 68.8% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 68.8% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 70.6% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 94.1% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 94.1% |
| | | Maximum Noise Reduction dB(A) | 7.8 | Maximum Noise Reduction dB(A) | 8.5 | Maximum Noise Reduction dB(A) | 9.3 |
| | | Estimated Total Barrier Cost (\$) | \$871,800 | Estimated Total Barrier Cost (\$) | \$958,980 | Estimated Total Barrier Cost (\$) | \$1,046,160 |
| | | Cost/Benefit Dwelling Unit | \$72,650 | Cost/Benefit Dwelling Unit | \$59,936 | Cost/Benefit Dwelling Unit | \$65,385 |

Table E7: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B18

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R748(K2091) | 78.5 | 1 | 76.2 | 2.3 | 0 | 75.9 | 2.6 | 0 | 75 | 3.5 | 0 |
| R749(K1767) | 78 | 1 | 75.3 | 2.7 | 0 | 74.1 | 3.9 | 0 | 71.3 | 6.7 | 1 |
| R756(K2109B) | 77.7 | 1 | 75.5 | 2.2 | 0 | 75.3 | 2.4 | 0 | 73.5 | 4.2 | 0 |
| R757(K2105) | 75.2 | 1 | 64 | 11.2 | 1 | 63.4 | 11.8 | 1 | 62.9 | 12.3 | 1 |
| R764(KV2092) | 75 | 1 | 70.7 | 4.3 | 0 | 68.8 | 6.2 | 1 | 67.1 | 7.9 | 1 |
| R766(K2085) | 76.4 | 1 | 69.9 | 6.5 | 1 | 68.1 | 8.3 | 1 | 66.2 | 10.2 | 1 |
| R769(K2119) | 73.5 | 1 | 63 | 10.5 | 1 | 62.2 | 11.3 | 1 | 61.4 | 12.1 | 1 |
| R771(K2101) | 70.1 | 1 | 62.6 | 7.5 | 1 | 61.2 | 8.9 | 1 | 60.4 | 9.7 | 1 |
| R772(K2109E) | 74.4 | 1 | 68.4 | 6 | 1 | 65.7 | 8.7 | 1 | 64 | 10.4 | 1 |
| R776(K2087) | 73.4 | 1 | 68.5 | 4.9 | 0 | 67.4 | 6 | 1 | 65.5 | 7.9 | 1 |
| R777(K2106) | 71.8 | 1 | 68.9 | 2.9 | 0 | 68 | 3.8 | 0 | 66.3 | 5.5 | 1 |
| R778(K2104) | 72.7 | 1 | 70.7 | 2 | 0 | 69.2 | 3.5 | 0 | 67.3 | 5.4 | 1 |
| R783(K1722C) | 71.8 | 1 | 64.5 | 7.3 | 1 | 64.2 | 7.6 | 1 | 63.9 | 7.9 | 1 |
| R784(K1769) | 71.2 | 1 | 65.4 | 5.8 | 1 | 63.9 | 7.3 | 1 | 61.9 | 9.3 | 1 |
| R785(K2083) | 77.9 | 1 | 73.6 | 4.3 | 0 | 71.4 | 6.5 | 1 | 68.9 | 9 | 1 |
| R787(K2122) | 70.7 | 1 | 61.8 | 8.9 | 1 | 60.7 | 10 | 1 | 59.8 | 10.9 | 1 |
| R788(K1722B) | 71 | 1 | 65 | 6 | 1 | 64.7 | 6.3 | 1 | 64.5 | 6.5 | 1 |
| R797(K2124) | 70.7 | 1 | 61.1 | 9.6 | 1 | 60.2 | 10.5 | 1 | 59.4 | 11.3 | 1 |
| R800(K2086) | 74.6 | 1 | 67.9 | 6.7 | 1 | 65.7 | 8.9 | 1 | 63.1 | 11.5 | 1 |
| R808(K2109) | 66.4 | 1 | 62.3 | 4.1 | 0 | 60.1 | 6.3 | 1 | 58.6 | 7.8 | 1 |
| R811(K2095) | 69.6 | 1 | 64.1 | 5.5 | 1 | 62.3 | 7.3 | 1 | 60.7 | 8.9 | 1 |
| R813(K2114) | 67.8 | 1 | 59.8 | 8 | 1 | 59.3 | 8.5 | 1 | 58.8 | 9 | 1 |
| R814(K2125) | 68.4 | 1 | 62.1 | 6.3 | 1 | 60.5 | 7.9 | 1 | 59.7 | 8.7 | 1 |
| R819(K2088) | 74.5 | 1 | 68.2 | 6.3 | 1 | 65.6 | 8.9 | 1 | 63.9 | 10.6 | 1 |

Table E7: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B18

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R820(K2138) | 68.3 | 1 | 61.3 | 7 | 1 | 60.8 | 7.5 | 1 | 60.4 | 7.9 | 1 |
| R821(K1722A) | 64.6 | 1 | 61.9 | 2.7 | 0 | 61.8 | 2.8 | 0 | 61.6 | 3 | 0 |
| R823(K1722) | 67.2 | 1 | 62.6 | 4.6 | 0 | 61.8 | 5.4 | 1 | 61.5 | 5.7 | 1 |
| R824(K2099) | 67.4 | 1 | 62.4 | 5 | 1 | 60.7 | 6.7 | 1 | 59.4 | 8 | 1 |
| R825(K2127) | 67.9 | 1 | 65.3 | 2.6 | 0 | 63.8 | 4.1 | 0 | 62.4 | 5.5 | 1 |
| R826(K2144) | 67.7 | 1 | 61.3 | 6.4 | 1 | 60.8 | 6.9 | 1 | 60.2 | 7.5 | 1 |
| R827(K2109C) | 67.5 | 1 | 63.9 | 3.6 | 0 | 61.9 | 5.6 | 1 | 59.8 | 7.7 | 1 |
| R828(K1720) | 67.4 | 1 | 62.8 | 4.6 | 0 | 61.7 | 5.7 | 1 | 61.3 | 6.1 | 1 |
| R838(K2109F) | 65.9 | 1 | 59.2 | 6.7 | 1 | 58.1 | 7.8 | 1 | 57.3 | 8.6 | 1 |
| R840(K2109A) | 62.9 | 1 | 58.8 | 4.1 | 0 | 57.2 | 5.7 | 1 | 56.2 | 6.7 | 1 |
| R841(K30) | 64.3 | 1 | 57.4 | 6.9 | 1 | 56.9 | 7.4 | 1 | 56.7 | 7.6 | 1 |
| R845(K2103) | 65.8 | 1 | 61.7 | 4.1 | 0 | 60 | 5.8 | 1 | 58.5 | 7.3 | 1 |
| R850(K1721) | 64.9 | 1 | 58.3 | 6.6 | 1 | 57.5 | 7.4 | 1 | 56.8 | 8.1 | 1 |
| R851(K2094) | 74.1 | 1 | 67.8 | 6.3 | 1 | 65.4 | 8.7 | 1 | 64.1 | 10 | 1 |
| R852(K2109D) | 62 | 1 | 59 | 3 | 0 | 56.6 | 5.4 | 1 | 55.7 | 6.3 | 1 |
| R860(K2097) | 73.7 | 1 | 65.8 | 7.9 | 1 | 64.3 | 9.4 | 1 | 62 | 11.7 | 1 |
| R864(K2117) | 64.4 | 1 | 60 | 4.4 | 0 | 58.9 | 5.5 | 1 | 57.5 | 6.9 | 1 |
| R870(K2102) | 72.7 | 1 | 64.1 | 8.6 | 1 | 62.5 | 10.2 | 1 | 60.1 | 12.6 | 1 |
| R871(K2120) | 63.2 | 1 | 58.4 | 4.8 | 0 | 56.9 | 6.3 | 1 | 56 | 7.2 | 1 |
| R872(KV2147) | 63 | 1 | 55.8 | 7.2 | 1 | 55 | 8 | 1 | 54.3 | 8.7 | 1 |
| R873(K2107) | 72.4 | 1 | 63.6 | 8.8 | 1 | 61.6 | 10.8 | 1 | 59.8 | 12.6 | 1 |
| R876(K2128) | 62.7 | 1 | 57.8 | 4.9 | 0 | 56.5 | 6.2 | 1 | 55.7 | 7 | 1 |
| R878(K2141) | 75.9 | 75 | 70.5 | 5.4 | 75 | 68.6 | 7.3 | 75 | 67.1 | 8.8 | 75 |
| R879(K2121) | 72.1 | 1 | 63.7 | 8.4 | 1 | 62.6 | 9.5 | 1 | 60.4 | 11.7 | 1 |
| R881(K2130) | 62.2 | 1 | 57 | 5.2 | 1 | 56 | 6.2 | 1 | 55.1 | 7.1 | 1 |

Table E7: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B18

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R885(K2126) | 71.8 | 1 | 64.1 | 7.7 | 1 | 62.8 | 9 | 1 | 61.2 | 10.6 | 1 |
| R887(K2113) | 61.9 | 1 | 57 | 4.9 | 0 | 55.9 | 6 | 1 | 55 | 6.9 | 1 |
| R890(K2131) | 71.4 | 1 | 62.9 | 8.5 | 1 | 61.9 | 9.5 | 1 | 60 | 11.4 | 1 |
| R891(K2140) | 61.3 | 1 | 56.2 | 5.1 | 1 | 55.1 | 6.2 | 1 | 54.2 | 7.1 | 1 |
| R894(K2111) | 70.9 | 1 | 62.1 | 8.8 | 1 | 61.2 | 9.7 | 1 | 59 | 11.9 | 1 |
| R896(K2142) | 60.9 | 1 | 55.6 | 5.3 | 1 | 54.7 | 6.2 | 1 | 53.8 | 7.1 | 1 |
| R897(K2139) | 70.5 | 1 | 61.7 | 8.8 | 1 | 60.7 | 9.8 | 1 | 58.8 | 11.7 | 1 |
| M-47(K2141) | 61.8 | 75 | 57.1 | 4.7 | 0 | 56.7 | 5.1 | 75 | 56.4 | 5.4 | 75 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B18

| Barrier B18 | | 18 feet High Barrier | | 20 feet High Barrier | | 22 feet High Barrier | |
|---|-------|--|-------------|--|-------------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 205 | Total Number of Benefited Dwelling Units | 109 | Total Number of Benefited Dwelling Units | 198 | Total Number of Benefited Dwelling Units | 202 |
| Total Number of Impacted Dwelling Units | 117 | Total Number of Benefited Impacted Dwelling Units | 103 | Total Number of Benefited Impacted Dwelling Units | 111 | Total Number of Benefited Impacted Dwelling Units | 115 |
| Barrier Length (feet) | 4,487 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 15.6% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 52.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 57.4% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 88.0% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 94.9% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 98.3% |
| | | Maximum Noise Reduction dB(A) | 11.2 | Maximum Noise Reduction dB(A) | 11.8 | Maximum Noise Reduction dB(A) | 12.6 |
| | | Estimated Total Barrier Cost (\$) | \$2,422,980 | Estimated Total Barrier Cost (\$) | \$2,692,200 | Estimated Total Barrier Cost (\$) | \$2,961,420 |
| | | Cost/Benefit Dwelling Unit | \$22,229 | Cost/Benefit Dwelling Unit | \$13,597 | Cost/Benefit Dwelling Unit | \$14,660 |

Table E8: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B19

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R774(K1346) | 71.2 | 1 | 60.9 | 10.3 | 1 | 60.4 | 10.8 | 1 | 59.9 | 11.3 | 1 |
| M-41(K1318) | 75.1 | 1 | 74.9 | 0.2 | 0 | 74.6 | 0.5 | 0 | 73.4 | 1.7 | 0 |
| R780(K1383) | 72 | 1 | 62 | 10 | 1 | 61.3 | 10.7 | 1 | 60.5 | 11.5 | 1 |
| M-44(K75) | 72.8 | 2 | 63.2 | 9.6 | 2 | 62.4 | 10.4 | 2 | 61.7 | 11.1 | 2 |
| M-42(K1348) | 68.8 | 1 | 55.6 | 13.2 | 1 | 54.9 | 13.9 | 1 | 54.2 | 14.6 | 1 |
| R790(K1360) | 73.4 | 1 | 62.5 | 10.9 | 1 | 61.7 | 11.7 | 1 | 61 | 12.4 | 1 |
| R791(K1365) | 70.6 | 1 | 61.2 | 9.4 | 1 | 60.6 | 10 | 1 | 60 | 10.6 | 1 |
| R792(K1421) | 76.5 | 1 | 71.2 | 5.3 | 1 | 68 | 8.5 | 1 | 66.6 | 9.9 | 1 |
| R794(KV1318) | 70.5 | 1 | 65 | 5.5 | 1 | 64.2 | 6.3 | 1 | 63.3 | 7.2 | 1 |
| R795(K74) | 68.8 | 2 | 60.7 | 8.1 | 2 | 60.1 | 8.7 | 2 | 59.5 | 9.3 | 2 |
| R796(K1341) | 74.1 | 1 | 62.8 | 11.3 | 1 | 62 | 12.1 | 1 | 61.3 | 12.8 | 1 |
| R799(K1391) | 69.3 | 1 | 60 | 9.3 | 1 | 59.2 | 10.1 | 1 | 58.5 | 10.8 | 1 |
| R802(K1331) | 72.4 | 1 | 66.4 | 6 | 1 | 65 | 7.4 | 1 | 63.8 | 8.6 | 1 |
| R805(K78) | 73.1 | 1 | 62.8 | 10.3 | 1 | 62 | 11.1 | 1 | 61.2 | 11.9 | 1 |
| R807(K1336) | 72.4 | 1 | 63.5 | 8.9 | 1 | 62.6 | 9.8 | 1 | 61.7 | 10.7 | 1 |
| R809(K71) | 66.5 | 2 | 59.5 | 7 | 2 | 58.9 | 7.6 | 2 | 58.3 | 8.2 | 2 |
| R812(K1386) | 65.4 | 1 | 57.4 | 8 | 1 | 56.7 | 8.7 | 1 | 56 | 9.4 | 1 |
| R815(K73) | 64.4 | 2 | 57.3 | 7.1 | 2 | 56.7 | 7.7 | 2 | 56.2 | 8.2 | 2 |
| R816(K1372) | 63.9 | 1 | 56.6 | 7.3 | 1 | 56.1 | 7.8 | 1 | 55.6 | 8.3 | 1 |
| R817(K1395) | 69.2 | 1 | 60 | 9.2 | 1 | 59.2 | 10 | 1 | 58.5 | 10.7 | 1 |
| R830(K68) | 67.1 | 2 | 59.2 | 7.9 | 2 | 58.4 | 8.7 | 2 | 57.8 | 9.3 | 2 |
| M-45(K1484) | 75.2 | 3 | 66.4 | 8.8 | 3 | 65.2 | 10 | 3 | 64.1 | 11.1 | 3 |
| R832(K1362) | 60.8 | 1 | 55.8 | 5 | 1 | 55.3 | 5.5 | 1 | 54.9 | 5.9 | 1 |
| R833(K1370) | 62.8 | 1 | 56.2 | 6.6 | 1 | 55.8 | 7 | 1 | 55.4 | 7.4 | 1 |
| R834(K1402) | 67.5 | 1 | 58.7 | 8.8 | 1 | 57.9 | 9.6 | 1 | 57.2 | 10.3 | 1 |

Table E8: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B19

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|--------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R835(K1446) | 70.4 | 1 | 62.6 | 7.8 | 1 | 61.7 | 8.7 | 1 | 60.8 | 9.6 | 1 |
| R836(K67) | 66.7 | 2 | 59.6 | 7.1 | 2 | 58.8 | 7.9 | 2 | 58.2 | 8.5 | 2 |
| R842(K1353) | 60.4 | 41 | 55.3 | 5.1 | 41 | 55.2 | 5.2 | 41 | 55.1 | 5.3 | 41 |
| R843(K1406) | 64.2 | 1 | 56.9 | 7.3 | 1 | 56.2 | 8 | 1 | 55.6 | 8.6 | 1 |
| R846(K1396) | 62.1 | 1 | 55.2 | 6.9 | 1 | 54.6 | 7.5 | 1 | 54 | 8.1 | 1 |
| R847(K1403) | 63.3 | 1 | 56 | 7.3 | 1 | 55.3 | 8 | 1 | 54.8 | 8.5 | 1 |
| R849(K1397) | 60.8 | 1 | 54.6 | 6.2 | 1 | 54 | 6.8 | 1 | 53.5 | 7.3 | 1 |
| R854(K1460) | 64 | 1 | 58.4 | 5.6 | 1 | 57.6 | 6.4 | 1 | 57 | 7 | 1 |
| R855(K1392) | 60.6 | 1 | 54.4 | 6.2 | 1 | 53.9 | 6.7 | 1 | 53.6 | 7 | 1 |
| R856(K1394) | 60 | 1 | 54.4 | 5.6 | 1 | 53.8 | 6.2 | 1 | 53.4 | 6.6 | 1 |
| R857(K1193) | 72.1 | 1 | 61.3 | 10.8 | 1 | 60.5 | 11.6 | 1 | 59.9 | 12.2 | 1 |
| R858(K1379) | 59.2 | 1 | 54.5 | 4.7 | 0 | 54.2 | 5 | 1 | 54 | 5.2 | 1 |
| R859(K1385) | 58.6 | 1 | 54.1 | 4.5 | 0 | 53.7 | 4.9 | 0 | 53.4 | 5.2 | 1 |
| R861(K1390) | 57.5 | 1 | 53.5 | 4 | 0 | 53.1 | 4.4 | 0 | 52.8 | 4.7 | 0 |
| R862(K1449) | 64.6 | 1 | 58.4 | 6.2 | 1 | 57.7 | 6.9 | 1 | 57 | 7.6 | 1 |
| R867(K1196) | 69.8 | 1 | 60.1 | 9.7 | 1 | 59.3 | 10.5 | 1 | 58.4 | 11.4 | 1 |
| R868(KV1492) | 62.3 | 1 | 57.4 | 4.9 | 0 | 56.6 | 5.7 | 1 | 56.2 | 6.1 | 1 |
| R869(K1492) | 64.1 | 2 | 60.9 | 3.2 | 0 | 59.7 | 4.4 | 0 | 59 | 5.1 | 2 |
| R874(K1473) | 53.6 | 1 | 49.9 | 3.7 | 0 | 49.5 | 4.1 | 0 | 49.2 | 4.4 | 0 |
| R875(K1203) | 68.1 | 1 | 59.6 | 8.5 | 1 | 58.7 | 9.4 | 1 | 57.8 | 10.3 | 1 |
| R877(K40) | 63.9 | 1 | 60.5 | 3.4 | 0 | 59.2 | 4.7 | 0 | 58.7 | 5.2 | 1 |
| R880(K1202) | 64.4 | 1 | 59.2 | 5.2 | 1 | 58 | 6.4 | 1 | 57.4 | 7 | 1 |
| R882(K1211) | 71.1 | 1 | 60.9 | 10.2 | 1 | 60.1 | 11 | 1 | 59.4 | 11.7 | 1 |
| R883(K1209) | 66.7 | 1 | 58.7 | 8 | 1 | 57.9 | 8.8 | 1 | 57 | 9.7 | 1 |

Table E8: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B19

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 18 feet High Barrier | | | 20 feet High Barrier | | | 22 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R884(K1213) | 69.3 | 1 | 58.8 | 10.5 | 1 | 57.8 | 11.5 | 1 | 57 | 12.3 | 1 |
| R886(K1206) | 64.6 | 1 | 58.4 | 6.2 | 1 | 57.6 | 7 | 1 | 56.9 | 7.7 | 1 |
| R888(K1218) | 67.6 | 1 | 57.8 | 9.8 | 1 | 56.9 | 10.7 | 1 | 56.1 | 11.5 | 1 |
| R889(K36) | 65.5 | 1 | 58.7 | 6.8 | 1 | 57.9 | 7.6 | 1 | 57 | 8.5 | 1 |
| R892(K1216) | 64.7 | 1 | 58.4 | 6.3 | 1 | 57.6 | 7.1 | 1 | 57 | 7.7 | 1 |
| R893(K1220) | 65.5 | 1 | 57 | 8.5 | 1 | 56 | 9.5 | 1 | 55.3 | 10.2 | 1 |
| R895(K1219) | 58.6 | 1 | 53.9 | 4.7 | 0 | 52.9 | 5.7 | 1 | 52.1 | 6.5 | 1 |
| R898(K1224) | 64.7 | 1 | 59 | 5.7 | 1 | 58.7 | 6 | 1 | 58.3 | 6.4 | 1 |
| R899(K1223) | 64.4 | 1 | 59.2 | 5.2 | 1 | 59 | 5.4 | 1 | 58.7 | 5.7 | 1 |
| R900(K1222) | 59.6 | 1 | 55.6 | 4 | 0 | 55.3 | 4.3 | 0 | 55 | 4.6 | 0 |
| M-44a(K75) | 73 | 2 | 61.8 | 11.2 | 2 | 61.3 | 11.7 | 2 | 60.4 | 12.6 | 2 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B19

| Barrier B19 | | 18 feet High Barrier | | 20 feet High Barrier | | 22 feet High Barrier | |
|---|-------|--|-------------|--|-------------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 110 | Total Number of Benefited Dwelling Units | 99 | Total Number of Benefited Dwelling Units | 102 | Total Number of Benefited Dwelling Units | 106 |
| Total Number of Impacted Dwelling Units | 40 | Total Number of Benefited Impacted Dwelling Units | 37 | Total Number of Benefited Impacted Dwelling Units | 37 | Total Number of Benefited Impacted Dwelling Units | 37 |
| Barrier Length (feet) | 2,617 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 41.4% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 46.1% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 50.9% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 92.5% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 92.5% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 92.5% |
| | | Maximum Noise Reduction dB(A) | 13.2 | Maximum Noise Reduction dB(A) | 13.9 | Maximum Noise Reduction dB(A) | 14.6 |
| | | Estimated Total Barrier Cost (\$) | \$1,413,180 | Estimated Total Barrier Cost (\$) | \$1,570,200 | Estimated Total Barrier Cost (\$) | \$1,727,220 |
| | | Cost/Benefit Dwelling Unit | \$14,275 | Cost/Benefit Dwelling Unit | \$15,394 | Cost/Benefit Dwelling Unit | \$16,295 |

Table E9: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B20

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R495(K1615) | 75.8 | 1 | 69 | 6.8 | 1 | 68.5 | 7.3 | 1 | 67.4 | 8.4 | 1 |
| R496(K2006) | 65 | 1 | 59.6 | 5.4 | 1 | 59.3 | 5.7 | 1 | 59 | 6 | 1 |
| M-38(K1609) | 74.2 | 1 | 66.2 | 8 | 1 | 64.9 | 9.3 | 1 | 63.4 | 10.8 | 1 |
| R500(K1620) | 75.2 | 1 | 66.9 | 8.3 | 1 | 66.3 | 8.9 | 1 | 65.5 | 9.7 | 1 |
| R501(K2004) | 68 | 1 | 60.2 | 7.8 | 1 | 59.7 | 8.3 | 1 | 59.2 | 8.8 | 1 |
| R502(K2005) | 67.4 | 1 | 60.2 | 7.2 | 1 | 59.8 | 7.6 | 1 | 59.4 | 8 | 1 |
| R503(K1622) | 75.1 | 1 | 65.7 | 9.4 | 1 | 65 | 10.1 | 1 | 63.4 | 11.7 | 1 |
| R504(K1630) | 74.1 | 1 | 63.1 | 11 | 1 | 62.3 | 11.8 | 1 | 61.4 | 12.7 | 1 |
| R505(K1674) | 69.6 | 1 | 60.9 | 8.7 | 1 | 60.3 | 9.3 | 1 | 59.8 | 9.8 | 1 |
| R508(K1627) | 74.4 | 1 | 64.7 | 9.7 | 1 | 63.3 | 11.1 | 1 | 62.4 | 12 | 1 |
| R510(K1670 R-61) | 70.8 | 1 | 61.3 | 9.5 | 1 | 60.6 | 10.2 | 1 | 60 | 10.8 | 1 |
| R512(K1642) | 73.1 | 1 | 62 | 11.1 | 1 | 61.3 | 11.8 | 1 | 60.7 | 12.4 | 1 |
| R516(K1638) | 72.9 | 1 | 61.9 | 11 | 1 | 61 | 11.9 | 1 | 60.4 | 12.5 | 1 |
| R517(K1652) | 71 | 1 | 60.7 | 10.3 | 1 | 60.1 | 10.9 | 1 | 59.5 | 11.5 | 1 |
| R518(K1665) | 71.1 | 1 | 60.9 | 10.2 | 1 | 60.3 | 10.8 | 1 | 59.7 | 11.4 | 1 |
| R526(K2009) | 57 | 2 | 56.3 | 0.7 | 0 | 56.2 | 0.8 | 0 | 56.2 | 0.8 | 0 |
| R531(K1621) | 70.6 | 1 | 67.5 | 3.1 | 0 | 66.9 | 3.7 | 0 | 66.4 | 4.2 | 0 |
| R532(K2008) | 56.9 | 2 | 56.1 | 0.8 | 0 | 55.9 | 1 | 0 | 55.8 | 1.1 | 0 |
| M-37(K1616) | 69.2 | 1 | 66 | 3.2 | 0 | 65.6 | 3.6 | 0 | 65 | 4.2 | 0 |
| R533(K2007) | 58.2 | 2 | 56.4 | 1.8 | 0 | 56.3 | 1.9 | 0 | 56.1 | 2.1 | 0 |
| R535(K1705) | 58.9 | 2 | 56.4 | 2.5 | 0 | 56.1 | 2.8 | 0 | 55.9 | 3 | 0 |
| R537(K85) | 67.3 | 1 | 67.2 | 0.1 | 0 | 67.1 | 0.2 | 0 | 66.8 | 0.5 | 0 |
| R538(K1602) | 70.3 | 1 | 69.5 | 0.8 | 0 | 69.3 | 1 | 0 | 69.2 | 1.1 | 0 |
| R539(K1611) | 64.8 | 1 | 64.7 | 0.1 | 0 | 64.6 | 0.2 | 0 | 64.1 | 0.7 | 0 |
| R540(K1624) | 69 | 1 | 65.7 | 3.3 | 0 | 65.4 | 3.6 | 0 | 64.9 | 4.1 | 0 |

Table E9: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B20

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R541(K1629) | 67 | 1 | 64.2 | 2.8 | 0 | 63.8 | 3.2 | 0 | 63.1 | 3.9 | 0 |
| R542(K1632) | 65.1 | 1 | 60.1 | 5 | 0 | 60 | 5.1 | 1 | 59.4 | 5.7 | 1 |
| R545(K1608) | 73.3 | 1 | 72.7 | 0.6 | 0 | 72.6 | 0.7 | 0 | 72.6 | 0.7 | 0 |
| R546(K1613) | 63.1 | 1 | 63.1 | 0 | 0 | 63 | 0.1 | 0 | 62.1 | 1 | 0 |
| R547(K1637) | 63.7 | 1 | 59.1 | 4.6 | 0 | 58.4 | 5.3 | 1 | 57.7 | 6 | 1 |
| R548(K1699) | 59.8 | 2 | 57 | 2.8 | 0 | 56.7 | 3.1 | 0 | 56.5 | 3.3 | 0 |
| R550(K1695) | 61.3 | 2 | 57.3 | 4 | 0 | 57 | 4.3 | 0 | 56.8 | 4.5 | 0 |
| R554(K1677) | 61.8 | 1 | 57.1 | 4.7 | 0 | 56.7 | 5.1 | 1 | 56.5 | 5.3 | 1 |
| R555(K1687) | 61.5 | 2 | 57.2 | 4.3 | 0 | 57.2 | 4.3 | 0 | 56.9 | 4.6 | 0 |
| R558(K1626) | 61.2 | 1 | 61.1 | 0.1 | 0 | 60.8 | 0.4 | 0 | 59.8 | 1.4 | 0 |
| R559(K1648) | 62.7 | 1 | 58.3 | 4.4 | 0 | 58 | 4.7 | 0 | 57.5 | 5.2 | 1 |
| R560(K1668) | 62.4 | 1 | 56 | 6.4 | 1 | 55.4 | 7 | 1 | 55.2 | 7.2 | 1 |
| R561(K1672) | 62.3 | 1 | 57.5 | 4.8 | 0 | 57 | 5.3 | 1 | 56.6 | 5.7 | 1 |
| R562(K2013) | 52.9 | 1 | 53.3 | -0.4 | 0 | 53.2 | -0.3 | 0 | 53.1 | -0.2 | 0 |
| R565(K1713) | 52.6 | 1 | 52.3 | 0.3 | 0 | 52.1 | 0.5 | 0 | 52.1 | 0.5 | 0 |
| R569(K1712) | 53.1 | 1 | 52.3 | 0.8 | 0 | 52.2 | 0.9 | 0 | 52.1 | 1 | 0 |
| R572(K1635) | 58.7 | 1 | 57.7 | 1 | 0 | 57.6 | 1.1 | 0 | 56.7 | 2 | 0 |
| R573(K1617) | 69.3 | 1 | 69 | 0.3 | 0 | 68.8 | 0.5 | 0 | 68.4 | 0.9 | 0 |
| R577(K1623) | 67 | 1 | 66.8 | 0.2 | 0 | 66.6 | 0.4 | 0 | 66.5 | 0.5 | 0 |
| R578(K1634) | 60.9 | 1 | 57.7 | 3.2 | 0 | 57.3 | 3.6 | 0 | 56.4 | 4.5 | 0 |
| R579(K1710) | 54.4 | 1 | 53.5 | 0.9 | 0 | 53.3 | 1.1 | 0 | 53.3 | 1.1 | 0 |
| R581(K1708) | 54.6 | 1 | 53.7 | 0.9 | 0 | 53.5 | 1.1 | 0 | 53.3 | 1.3 | 0 |
| R583(K1628) | 65 | 1 | 65 | 0 | 0 | 65 | 0 | 0 | 65 | 0 | 0 |
| R584(K1641) | 58.4 | 1 | 57.5 | 0.9 | 0 | 56.9 | 1.5 | 0 | 56.4 | 2 | 0 |
| R585(K1706) | 55.5 | 1 | 53.9 | 1.6 | 0 | 53.8 | 1.7 | 0 | 53.6 | 1.9 | 0 |

Table E9: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B20

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R587(K1704) | 56.8 | 1 | 54.5 | 2.3 | 0 | 54.3 | 2.5 | 0 | 54.2 | 2.6 | 0 |
| R589(K1631) | 63.6 | 1 | 63.7 | -0.1 | 0 | 63.7 | -0.1 | 0 | 63.7 | -0.1 | 0 |
| R590(K1651) | 59 | 1 | 56.8 | 2.2 | 0 | 56.1 | 2.9 | 0 | 55.7 | 3.3 | 0 |
| R591(K1666) | 58.6 | 1 | 56 | 2.6 | 0 | 55.4 | 3.2 | 0 | 55 | 3.6 | 0 |
| R592(K1682) | 58.7 | 1 | 54.9 | 3.8 | 0 | 54.6 | 4.1 | 0 | 54.2 | 4.5 | 0 |
| R593(K1691) | 58.2 | 1 | 55.6 | 2.6 | 0 | 55.5 | 2.7 | 0 | 55.1 | 3.1 | 0 |
| R594(K1698) | 56.8 | 1 | 54.7 | 2.1 | 0 | 54.5 | 2.3 | 0 | 54.3 | 2.5 | 0 |
| R597(K1636) | 63.2 | 1 | 62.9 | 0.3 | 0 | 62.8 | 0.4 | 0 | 62.8 | 0.4 | 0 |
| R598(K1694) | 57.3 | 1 | 55 | 2.3 | 0 | 54.8 | 2.5 | 0 | 54.9 | 2.4 | 0 |
| R599(K2021) | 53.9 | 4 | 55 | -1.1 | 0 | 55 | -1.1 | 0 | 55 | -1.1 | 0 |
| R604(K1643) | 63.5 | 1 | 63.3 | 0.2 | 0 | 63 | 0.5 | 0 | 62.5 | 1 | 0 |
| R605(K1718) | 54 | 2 | 54.7 | -0.7 | 0 | 54.7 | -0.7 | 0 | 54.6 | -0.6 | 0 |
| R607(K1717) | 54 | 2 | 54.4 | -0.4 | 0 | 54.3 | -0.3 | 0 | 54.3 | -0.3 | 0 |
| R612(K1716) | 54.5 | 1 | 54.9 | -0.4 | 0 | 54.9 | -0.4 | 0 | 54.9 | -0.4 | 0 |
| R637(K1617 R-60) | 67.7 | 1 | 68.7 | -1 | 0 | 68.6 | -0.9 | 0 | 68.6 | -0.9 | 0 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B20

| Barrier B20 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-------------|--|-------------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 77 | Total Number of Benefited Dwelling Units | 16 | Total Number of Benefited Dwelling Units | 20 | Total Number of Benefited Dwelling Units | 21 |
| Total Number of Impacted Dwelling Units | 24 | Total Number of Benefited Impacted Dwelling Units | 14 | Total Number of Benefited Impacted Dwelling Units | 14 | Total Number of Benefited Impacted Dwelling Units | 14 |
| Barrier Length (feet) | 1,990 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 81.3% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 75.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 71.4% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 58.3% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 58.3% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 58.3% |
| | | Maximum Noise Reduction dB(A) | 11.1 | Maximum Noise Reduction dB(A) | 11.9 | Maximum Noise Reduction dB(A) | 12.7 |
| | | Estimated Total Barrier Cost (\$) | \$1,194,000 | Estimated Total Barrier Cost (\$) | \$1,313,400 | Estimated Total Barrier Cost (\$) | \$1,432,800 |
| | | Cost/Benefit Dwelling Unit | \$74,625 | Cost/Benefit Dwelling Unit | \$65,670 | Cost/Benefit Dwelling Unit | \$68,229 |

Table E10: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B21

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-----------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R421(K581) | 71.9 | 2 | 71 | 0.9 | 0 | 70.2 | 1.7 | 0 | 69.7 | 2.2 | 0 |
| R422(K582) | 72.9 | 1 | 71.1 | 1.8 | 0 | 70 | 2.9 | 0 | 69.6 | 3.3 | 0 |
| R423(K584) | 74.7 | 1 | 69.6 | 5.1 | 1 | 68.8 | 5.9 | 1 | 68.4 | 6.3 | 1 |
| R425(K575) | 71 | 1 | 70.6 | 0.4 | 0 | 70.1 | 0.9 | 0 | 69.8 | 1.2 | 0 |
| R430(K574) | 69.9 | 1 | 69.7 | 0.2 | 0 | 69.3 | 0.6 | 0 | 69.1 | 0.8 | 0 |
| R431(K572) | 69.5 | 1 | 69.4 | 0.1 | 0 | 69.2 | 0.3 | 0 | 68.9 | 0.6 | 0 |
| R437(K571) | 68.8 | 2 | 68.8 | 0 | 0 | 68.6 | 0.2 | 0 | 68.4 | 0.4 | 0 |
| R439(K954 R-53) | 74.8 | 1 | 68 | 6.8 | 1 | 65.9 | 8.9 | 1 | 64.3 | 10.5 | 1 |
| R442(K569) | 68.2 | 1 | 68.1 | 0.1 | 0 | 68 | 0.2 | 0 | 67.8 | 0.4 | 0 |
| R447(K938) | 72.6 | 1 | 69.3 | 3.3 | 0 | 67.4 | 5.2 | 1 | 65.3 | 7.3 | 1 |
| R450(K566) | 68.2 | 1 | 68.1 | 0.1 | 0 | 67.9 | 0.3 | 0 | 67.7 | 0.5 | 0 |
| R452(K941) | 70.4 | 2 | 66.2 | 4.2 | 0 | 64.2 | 6.2 | 2 | 62.2 | 8.2 | 2 |
| R454(K932) | 67.2 | 1 | 62.8 | 4.4 | 0 | 61.4 | 5.8 | 1 | 59.6 | 7.6 | 1 |
| R456(K1007) | 74.7 | 1 | 73 | 1.7 | 0 | 71.7 | 3 | 0 | 69.9 | 4.8 | 0 |
| R457(K860) | 67.8 | 1 | 67.7 | 0.1 | 0 | 67.6 | 0.2 | 0 | 67.4 | 0.4 | 0 |
| R461(K1006) | 72.7 | 1 | 72 | 0.7 | 0 | 71.1 | 1.6 | 0 | 69.8 | 2.9 | 0 |
| R462(K1000) | 71.7 | 1 | 71.3 | 0.4 | 0 | 70.7 | 1 | 0 | 69.8 | 1.9 | 0 |
| R463(K1004) | 72.1 | 1 | 71.6 | 0.5 | 0 | 71.1 | 1 | 0 | 69.9 | 2.2 | 0 |
| R464(K996) | 70.9 | 1 | 70.5 | 0.4 | 0 | 69.7 | 1.2 | 0 | 69.1 | 1.8 | 0 |
| R467(K929) | 66.2 | 1 | 62.5 | 3.7 | 0 | 61 | 5.2 | 1 | 59.5 | 6.7 | 1 |
| R470(K859) | 67.2 | 1 | 67.2 | 0 | 0 | 67.1 | 0.1 | 0 | 66.9 | 0.3 | 0 |
| R471(K994) | 70.5 | 1 | 70.2 | 0.3 | 0 | 69.5 | 1 | 0 | 68.9 | 1.6 | 0 |
| R475(K925) | 65.3 | 1 | 61.5 | 3.8 | 0 | 60 | 5.3 | 1 | 58.6 | 6.7 | 1 |
| M-27(K1007) | 75.3 | 1 | 69 | 6.3 | 1 | 67.6 | 7.7 | 1 | 65.9 | 9.4 | 1 |
| R478(K856) | 67 | 1 | 67 | 0 | 0 | 66.9 | 0.1 | 0 | 66.7 | 0.3 | 0 |

Table E10: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B21

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R482(K792) | 66.7 | 1 | 66.7 | 0 | 0 | 66.6 | 0.1 | 0 | 66.5 | 0.2 | 0 |
| R489(K924) | 64.7 | 1 | 61.5 | 3.2 | 0 | 60.3 | 4.4 | 0 | 59.1 | 5.6 | 1 |
| R497(K790) | 66.1 | 1 | 66.1 | 0 | 0 | 66 | 0.1 | 0 | 65.9 | 0.2 | 0 |
| R506(K927) | 65.5 | 1 | 62.3 | 3.2 | 0 | 61.3 | 4.2 | 0 | 60.3 | 5.2 | 1 |
| R511(K789) | 65.8 | 1 | 65.8 | 0 | 0 | 65.7 | 0.1 | 0 | 65.6 | 0.2 | 0 |
| R522(K922) | 64.6 | 1 | 61.1 | 3.5 | 0 | 60.1 | 4.5 | 0 | 59.1 | 5.5 | 1 |
| R529(K921) | 64.4 | 1 | 60.6 | 3.8 | 0 | 59.7 | 4.7 | 0 | 58.6 | 5.8 | 1 |
| R544(K917) | 63.9 | 2 | 59.9 | 4 | 0 | 59.2 | 4.7 | 0 | 58.2 | 5.7 | 2 |
| R564(K918) | 63.2 | 2 | 59 | 4.2 | 0 | 58.1 | 5.1 | 2 | 57.2 | 6 | 2 |
| R602(K849) | 73.1 | 1 | 64.4 | 8.7 | 1 | 63.4 | 9.7 | 1 | 62.3 | 10.8 | 1 |
| R608(K819) | 70.5 | 1 | 63.4 | 7.1 | 1 | 61.9 | 8.6 | 1 | 60.7 | 9.8 | 1 |
| R609(K848) | 71.8 | 1 | 64.4 | 7.4 | 1 | 63.6 | 8.2 | 1 | 62.5 | 9.3 | 1 |
| R617(K841) | 70.9 | 1 | 63.9 | 7 | 1 | 63 | 7.9 | 1 | 61.9 | 9 | 1 |
| R633(K843) | 69 | 1 | 63.5 | 5.5 | 1 | 62.2 | 6.8 | 1 | 61 | 8 | 1 |
| R636(K840) | 68.6 | 1 | 63.1 | 5.5 | 1 | 62 | 6.6 | 1 | 60.8 | 7.8 | 1 |
| R643(K1041) | 73.1 | 1 | 63.7 | 9.4 | 1 | 62.5 | 10.6 | 1 | 61.5 | 11.6 | 1 |
| R644(K1036) | 71.8 | 1 | 63.5 | 8.3 | 1 | 62.4 | 9.4 | 1 | 61.3 | 10.5 | 1 |
| R645(K1033) | 67 | 2 | 57.8 | 9.2 | 2 | 57 | 10 | 2 | 56.2 | 10.8 | 2 |
| R646(K1053) | 66.9 | 1 | 57.6 | 9.3 | 1 | 56.7 | 10.2 | 1 | 56.1 | 10.8 | 1 |
| R647(K1037) | 68.7 | 2 | 58.6 | 10.1 | 2 | 57.7 | 11 | 2 | 56.9 | 11.8 | 2 |
| R649(K1027) | 66.4 | 2 | 61.9 | 4.5 | 0 | 61.6 | 4.8 | 0 | 61.2 | 5.2 | 2 |
| R650(K1116) | 70.2 | 5 | 61.7 | 8.5 | 5 | 61.1 | 9.1 | 5 | 60.6 | 9.6 | 5 |
| R651(K594) | 69.4 | 1 | 62 | 7.4 | 1 | 61.3 | 8.1 | 1 | 60.7 | 8.7 | 1 |
| R652(K1023) | 62.8 | 1 | 55.3 | 7.5 | 1 | 54.5 | 8.3 | 1 | 53.9 | 8.9 | 1 |
| R653(K884) | 70.8 | 1 | 61.7 | 9.1 | 1 | 60.9 | 9.9 | 1 | 60.2 | 10.6 | 1 |

Table E10: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B21

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R654(K1039) | 66 | 1 | 62.3 | 3.7 | 0 | 61.3 | 4.7 | 0 | 60.8 | 5.2 | 1 |
| R655(K1121 R-56) | 68.6 | 1 | 62.2 | 6.4 | 1 | 61.6 | 7 | 1 | 61 | 7.6 | 1 |
| R656(K882) | 63.3 | 1 | 59.6 | 3.7 | 0 | 58.9 | 4.4 | 0 | 58.1 | 5.2 | 1 |
| R657(K1123) | 68.3 | 1 | 62.2 | 6.1 | 1 | 61.4 | 6.9 | 1 | 60.8 | 7.5 | 1 |
| R658(K883) | 65.9 | 1 | 60.8 | 5.1 | 1 | 60.2 | 5.7 | 1 | 59.4 | 6.5 | 1 |
| M-29(K1148) | 69.3 | 1 | 69.5 | -0.2 | 0 | 69 | 0.3 | 0 | 68.7 | 0.6 | 0 |
| R659(K876) | 65.9 | 1 | 61.7 | 4.2 | 0 | 60.7 | 5.2 | 1 | 60.2 | 5.7 | 1 |
| R663(K598) | 65.8 | 1 | 66.1 | -0.3 | 0 | 65.6 | 0.2 | 0 | 65.5 | 0.3 | 0 |
| R664(K1125) | 67.1 | 1 | 61.4 | 5.7 | 1 | 60.6 | 6.5 | 1 | 60 | 7.1 | 1 |
| R666(K878) | 65.5 | 1 | 61.5 | 4 | 0 | 60.7 | 4.8 | 0 | 60 | 5.5 | 1 |
| R668(K595) | 64.9 | 1 | 58.1 | 6.8 | 1 | 57.5 | 7.4 | 1 | 57 | 7.9 | 1 |
| R669(K877) | 65.3 | 1 | 61.9 | 3.4 | 0 | 60.9 | 4.4 | 0 | 60.1 | 5.2 | 1 |
| R670(K1129) | 66.8 | 1 | 60.9 | 5.9 | 1 | 60.1 | 6.7 | 1 | 59.5 | 7.3 | 1 |
| R672(K600) | 64.2 | 1 | 64.4 | -0.2 | 0 | 64.2 | 0 | 0 | 64 | 0.2 | 0 |
| R673(K874) | 65.2 | 1 | 62.3 | 2.9 | 0 | 61.4 | 3.8 | 0 | 60.4 | 4.8 | 0 |
| R674(K1132) | 67.4 | 1 | 60.5 | 6.9 | 1 | 59.6 | 7.8 | 1 | 58.9 | 8.5 | 1 |
| R675(K873) | 62.2 | 1 | 61.3 | 0.9 | 0 | 60.7 | 1.5 | 0 | 59.9 | 2.3 | 0 |
| R676(K1117) | 62.6 | 1 | 56.6 | 6 | 1 | 55.9 | 6.7 | 1 | 55.4 | 7.2 | 1 |
| R677(K1150) | 63.8 | 1 | 63.3 | 0.5 | 0 | 63.1 | 0.7 | 0 | 62.1 | 1.7 | 0 |
| R678(K1136) | 66.9 | 1 | 59.6 | 7.3 | 1 | 58.6 | 8.3 | 1 | 57.7 | 9.2 | 1 |
| R679(K1152) | 63.4 | 1 | 63.9 | -0.5 | 0 | 63.6 | -0.2 | 0 | 62.8 | 0.6 | 0 |
| R680(K898) | 66.9 | 2 | 61.9 | 5 | 2 | 61 | 5.9 | 2 | 60.4 | 6.5 | 2 |
| R681(K1139) | 65.9 | 1 | 58.6 | 7.3 | 1 | 57.6 | 8.3 | 1 | 56.7 | 9.2 | 1 |
| R682(K104) | 67.4 | 2 | 62.1 | 5.3 | 2 | 61.1 | 6.3 | 2 | 60.4 | 7 | 2 |
| R683(K1120) | 60.7 | 1 | 54.9 | 5.8 | 1 | 54.1 | 6.6 | 1 | 53.4 | 7.3 | 1 |

Table E10: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B21

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 20 feet High Barrier | | | 22 feet High Barrier | | | 24 feet High Barrier | | |
|------------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R684(K905) | 67.4 | 2 | 62.4 | 5 | 2 | 61.6 | 5.8 | 2 | 60.8 | 6.6 | 2 |
| R685(K1153) | 63.4 | 1 | 63.1 | 0.3 | 0 | 62.5 | 0.9 | 0 | 62.1 | 1.3 | 0 |
| R686(K1142) | 64.5 | 1 | 57.6 | 6.9 | 1 | 56.6 | 7.9 | 1 | 55.7 | 8.8 | 1 |
| R687(K908) | 67.6 | 1 | 62.5 | 5.1 | 1 | 61.6 | 6 | 1 | 60.9 | 6.7 | 1 |
| R688(K13) | 62 | 1 | 55.3 | 6.7 | 1 | 54.8 | 7.2 | 1 | 54.3 | 7.7 | 1 |
| R689(K1059) | 67.2 | 1 | 62 | 5.2 | 1 | 61.1 | 6.1 | 1 | 60.6 | 6.6 | 1 |
| R690(K1124) | 58.5 | 1 | 53.6 | 4.9 | 0 | 52.7 | 5.8 | 1 | 52.2 | 6.3 | 1 |
| R691(K1063) | 67.2 | 1 | 61.6 | 5.6 | 1 | 60.7 | 6.5 | 1 | 60 | 7.2 | 1 |
| R692(K1145) | 62.8 | 1 | 56.6 | 6.2 | 1 | 55.7 | 7.1 | 1 | 54.9 | 7.9 | 1 |
| R693(K1130) | 57.4 | 1 | 53.2 | 4.2 | 0 | 52.3 | 5.1 | 1 | 51.9 | 5.5 | 1 |
| R694(K1080) | 66.6 | 1 | 61 | 5.6 | 1 | 60.1 | 6.5 | 1 | 59.3 | 7.3 | 1 |
| R695(K1119) | 58.2 | 1 | 52.7 | 5.5 | 1 | 52.2 | 6 | 1 | 51.7 | 6.5 | 1 |
| R696(K1085) | 66.9 | 1 | 61.5 | 5.4 | 1 | 60.8 | 6.1 | 1 | 60 | 6.9 | 1 |
| R697(K1090) | 66.9 | 1 | 61.2 | 5.7 | 1 | 60.4 | 6.5 | 1 | 59.5 | 7.4 | 1 |
| R698(K1135) | 56 | 1 | 52.1 | 3.9 | 0 | 51.4 | 4.6 | 0 | 50.8 | 5.2 | 1 |
| R699(K1095) | 66.7 | 2 | 61.6 | 5.1 | 2 | 61 | 5.7 | 2 | 60.2 | 6.5 | 2 |
| R700(K1101 R-55) | 65.1 | 1 | 59.1 | 6 | 1 | 58.2 | 6.9 | 1 | 57.6 | 7.5 | 1 |
| R701(K1138) | 54.4 | 1 | 51.4 | 3 | 0 | 50.7 | 3.7 | 0 | 50.2 | 4.2 | 0 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B21

| Barrier B21 | | 20 feet High Barrier | | 22 feet High Barrier | | 24 feet High Barrier | |
|---|-------|--|-------------|--|-------------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 109 | Total Number of Benefited Dwelling Units | 54 | Total Number of Benefited Dwelling Units | 65 | Total Number of Benefited Dwelling Units | 78 |
| Total Number of Impacted Dwelling Units | 80 | Total Number of Benefited Impacted Dwelling Units | 45 | Total Number of Benefited Impacted Dwelling Units | 51 | Total Number of Benefited Impacted Dwelling Units | 54 |
| Barrier Length (feet) | 2,593 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 38.9% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 43.1% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 59.0% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 56.3% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 63.8% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 67.5% |
| | | Maximum Noise Reduction dB(A) | 10.1 | Maximum Noise Reduction dB(A) | 11 | Maximum Noise Reduction dB(A) | 11.8 |
| | | Estimated Total Barrier Cost (\$) | \$1,555,800 | Estimated Total Barrier Cost (\$) | \$1,711,380 | Estimated Total Barrier Cost (\$) | \$1,866,960 |
| | | Cost/Benefit Dwelling Unit | \$28,811 | Cost/Benefit Dwelling Unit | \$26,329 | Cost/Benefit Dwelling Unit | \$23,935 |

Table E11: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B22

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 26 feet High Barrier | | | 28 feet High Barrier | | | 30 feet High Barrier | | |
|-----------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| M-20(K309) | 69.7 | 2 | 69.7 | 0 | 0 | 69.7 | 0 | 0 | 69.7 | 0 | 0 |
| R95(K314 R-46) | 73 | 1 | 72.9 | 0.1 | 0 | 72.9 | 0.1 | 0 | 72.9 | 0.1 | 0 |
| R97(K115) | 72.2 | 2 | 63.9 | 8.3 | 2 | 63 | 9.2 | 2 | 62.4 | 9.8 | 2 |
| R100(K318) | 72.6 | 1 | 72.6 | 0 | 0 | 72.6 | 0 | 0 | 72.6 | 0 | 0 |
| R108(K354) | 72.3 | 1 | 72.3 | 0 | 0 | 72.3 | 0 | 0 | 72.3 | 0 | 0 |
| R109(K349) | 71.7 | 1 | 71.7 | 0 | 0 | 71.7 | 0 | 0 | 71.7 | 0 | 0 |
| R110(K361) | 71.9 | 1 | 71.9 | 0 | 0 | 71.9 | 0 | 0 | 71.9 | 0 | 0 |
| R118(K335) | 69.3 | 1 | 69.5 | -0.2 | 0 | 69.5 | -0.2 | 0 | 69.5 | -0.2 | 0 |
| R119(K322) | 67.6 | 1 | 67.6 | 0 | 0 | 67.6 | 0 | 0 | 67.6 | 0 | 0 |
| R122(K365) | 71.4 | 1 | 71.4 | 0 | 0 | 71.4 | 0 | 0 | 71.4 | 0 | 0 |
| R124(K364) | 70.1 | 1 | 70.1 | 0 | 0 | 70.1 | 0 | 0 | 70.1 | 0 | 0 |
| R126(K370) | 71.4 | 2 | 71.4 | 0 | 0 | 71.4 | 0 | 0 | 71.4 | 0 | 0 |
| R129(K340) | 65.6 | 1 | 65.7 | -0.1 | 0 | 65.7 | -0.1 | 0 | 65.7 | -0.1 | 0 |
| R130(K308) | 66 | 2 | 66.3 | -0.3 | 0 | 66.3 | -0.3 | 0 | 66.3 | -0.3 | 0 |
| R131(K299) | 66.3 | 1 | 66.7 | -0.4 | 0 | 66.7 | -0.4 | 0 | 66.7 | -0.4 | 0 |
| R134(K313) | 65.3 | 1 | 65.7 | -0.4 | 0 | 65.7 | -0.4 | 0 | 65.7 | -0.4 | 0 |
| R135(K346) | 65.7 | 1 | 66 | -0.3 | 0 | 66 | -0.3 | 0 | 66 | -0.3 | 0 |
| R136(K326) | 65.1 | 0 | 65.2 | -0.1 | 0 | 65.2 | -0.1 | 0 | 65.2 | -0.1 | 0 |
| R139(K409 R-47) | 72.6 | 15 | 72.5 | 0.1 | 0 | 72.5 | 0.1 | 0 | 71.9 | 0.7 | 0 |
| R140(K352) | 65.1 | 1 | 65.2 | -0.1 | 0 | 65.2 | -0.1 | 0 | 65.2 | -0.1 | 0 |
| R141(K317) | 65.1 | 1 | 65.3 | -0.2 | 0 | 65.3 | -0.2 | 0 | 65.3 | -0.2 | 0 |
| R142(K368) | 67.8 | 1 | 67.9 | -0.1 | 0 | 67.9 | -0.1 | 0 | 67.9 | -0.1 | 0 |
| R148(K360) | 64.9 | 1 | 65 | -0.1 | 0 | 65 | -0.1 | 0 | 65 | -0.1 | 0 |
| R150(K353) | 61.1 | 2 | 61 | 0.1 | 0 | 61 | 0.1 | 0 | 61 | 0.1 | 0 |

Table E11: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B22

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 26 feet High Barrier | | | 28 feet High Barrier | | | 30 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R151(K337) | 56.1 | 3 | 56 | 0.1 | 0 | 56 | 0.1 | 0 | 56 | 0.1 | 0 |
| R152(K373) | 69.3 | 1 | 69.5 | -0.2 | 0 | 69.5 | -0.2 | 0 | 69.5 | -0.2 | 0 |
| R153(K379) | 69.8 | 1 | 70 | -0.2 | 0 | 70 | -0.2 | 0 | 70 | -0.2 | 0 |
| R154(K358) | 59.2 | 2 | 59.1 | 0.1 | 0 | 59.1 | 0.1 | 0 | 59.1 | 0.1 | 0 |
| R155(K362) | 61.5 | 1 | 61.5 | 0 | 0 | 61.5 | 0 | 0 | 61.5 | 0 | 0 |
| R156(K344) | 62 | 1 | 62.1 | -0.1 | 0 | 62.1 | -0.1 | 0 | 62.1 | -0.1 | 0 |
| R157(K347) | 61.7 | 1 | 61.9 | -0.2 | 0 | 61.9 | -0.2 | 0 | 61.9 | -0.2 | 0 |
| R158(K367) | 60.1 | 1 | 60 | 0.1 | 0 | 60 | 0.1 | 0 | 60 | 0.1 | 0 |
| R159(K401) | 67.6 | 1 | 67.5 | 0.1 | 0 | 67.5 | 0.1 | 0 | 67.5 | 0.1 | 0 |
| R160(K382) | 70.3 | 1 | 70.5 | -0.2 | 0 | 70.5 | -0.2 | 0 | 70.5 | -0.2 | 0 |
| R162(K386) | 70.7 | 1 | 70.8 | -0.1 | 0 | 70.8 | -0.1 | 0 | 70.8 | -0.1 | 0 |
| R164(K332) | 62 | 0 | 62.5 | -0.5 | 0 | 62.5 | -0.5 | 0 | 62.5 | -0.5 | 0 |
| R168(K396) | 70.5 | 1 | 70.7 | -0.2 | 0 | 70.7 | -0.2 | 0 | 70.7 | -0.2 | 0 |
| R169(K388) | 70.6 | 1 | 70.8 | -0.2 | 0 | 70.8 | -0.2 | 0 | 70.8 | -0.2 | 0 |
| R171(K402) | 67.7 | 1 | 67.7 | 0 | 0 | 67.7 | 0 | 0 | 67.7 | 0 | 0 |
| R178(K371) | 56 | 1 | 56 | 0 | 0 | 56 | 0 | 0 | 56 | 0 | 0 |
| R181(K381) | 56.1 | 2 | 56.4 | -0.3 | 0 | 56.4 | -0.3 | 0 | 56.4 | -0.3 | 0 |
| R182(K378) | 54 | 1 | 54 | 0 | 0 | 54 | 0 | 0 | 54 | 0 | 0 |
| R183(K384) | 62.5 | 1 | 62.6 | -0.1 | 0 | 62.6 | -0.1 | 0 | 62.6 | -0.1 | 0 |
| R184(K389) | 62.3 | 1 | 62.5 | -0.2 | 0 | 62.5 | -0.2 | 0 | 62.5 | -0.2 | 0 |
| R186(K369) | 59.4 | 1 | 59.4 | 0 | 0 | 59.4 | 0 | 0 | 59.4 | 0 | 0 |
| R192(K427) | 68.6 | 1 | 68.4 | 0.2 | 0 | 68.4 | 0.2 | 0 | 68.4 | 0.2 | 0 |
| R193(K387) | 60.2 | 2 | 60.2 | 0 | 0 | 60.2 | 0 | 0 | 60.2 | 0 | 0 |
| R196(K400) | 65.7 | 4 | 66.2 | -0.5 | 0 | 66.2 | -0.5 | 0 | 66.2 | -0.5 | 0 |
| R197(K380) | 58.1 | 2 | 58.1 | 0 | 0 | 58.1 | 0 | 0 | 58.1 | 0 | 0 |

Table E11: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B22

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 26 feet High Barrier | | | 28 feet High Barrier | | | 30 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R199(K397) | 61.3 | 1 | 61.6 | -0.3 | 0 | 61.6 | -0.3 | 0 | 61.6 | -0.3 | 0 |
| R200(K432) | 69.1 | 1 | 68.9 | 0.2 | 0 | 68.9 | 0.2 | 0 | 68.9 | 0.2 | 0 |
| R201(K383) | 57.7 | 2 | 57.7 | 0 | 0 | 57.7 | 0 | 0 | 57.7 | 0 | 0 |
| R202(K413) | 64.9 | 2 | 65.2 | -0.3 | 0 | 65.2 | -0.3 | 0 | 65.2 | -0.3 | 0 |
| R206(K445) | 68.5 | 4 | 68.1 | 0.4 | 0 | 68.1 | 0.4 | 0 | 68.1 | 0.4 | 0 |
| R207(K420) | 64.3 | 2 | 64.6 | -0.3 | 0 | 64.6 | -0.3 | 0 | 64.6 | -0.3 | 0 |
| R210(K425) | 61.6 | 1 | 61.7 | -0.1 | 0 | 61.7 | -0.1 | 0 | 61.7 | -0.1 | 0 |
| R212(K454) | 68.2 | 4 | 67.8 | 0.4 | 0 | 67.8 | 0.4 | 0 | 67.8 | 0.4 | 0 |
| R214(K435) | 61.1 | 1 | 61.1 | 0 | 0 | 61.1 | 0 | 0 | 61.1 | 0 | 0 |
| R216(K422) | 60 | 1 | 60.3 | -0.3 | 0 | 60.3 | -0.3 | 0 | 60.3 | -0.3 | 0 |
| R218(K461) | 68.5 | 1 | 67.9 | 0.6 | 0 | 67.9 | 0.6 | 0 | 67.8 | 0.7 | 0 |
| R220(K457) | 64.9 | 1 | 64.8 | 0.1 | 0 | 64.8 | 0.1 | 0 | 64.8 | 0.1 | 0 |
| R222(K439) | 59.1 | 4 | 58.8 | 0.3 | 0 | 58.8 | 0.3 | 0 | 58.8 | 0.3 | 0 |
| R223(K444) | 60.8 | 1 | 60.4 | 0.4 | 0 | 60.4 | 0.4 | 0 | 60.4 | 0.4 | 0 |
| R225(K412) | 53 | 1 | 53.1 | -0.1 | 0 | 53.1 | -0.1 | 0 | 53.1 | -0.1 | 0 |
| R226(K447) | 61.1 | 1 | 60.5 | 0.6 | 0 | 60.5 | 0.6 | 0 | 60.5 | 0.6 | 0 |
| R228(K419) | 50.7 | 1 | 50.8 | -0.1 | 0 | 50.8 | -0.1 | 0 | 50.8 | -0.1 | 0 |
| R229(K430) | 53.4 | 1 | 53.6 | -0.2 | 0 | 53.6 | -0.2 | 0 | 53.6 | -0.2 | 0 |
| R232(K452) | 59 | 1 | 59.1 | -0.1 | 0 | 59.1 | -0.1 | 0 | 59.1 | -0.1 | 0 |
| R233(K466) | 65.9 | 4 | 66 | -0.1 | 0 | 66 | -0.1 | 0 | 66 | -0.1 | 0 |
| R234(K477) | 67 | 1 | 67.3 | -0.3 | 0 | 67.3 | -0.3 | 0 | 67.3 | -0.3 | 0 |
| R235(K495) | 68.1 | 1 | 68.2 | -0.1 | 0 | 68.2 | -0.1 | 0 | 68.2 | -0.1 | 0 |
| R238(K451) | 55.3 | 1 | 55.3 | 0 | 0 | 55.3 | 0 | 0 | 55.3 | 0 | 0 |
| R241(K478) | 63 | 1 | 63.1 | -0.1 | 0 | 63.1 | -0.1 | 0 | 63.1 | -0.1 | 0 |
| R244(K458) | 56.9 | 1 | 56.9 | 0 | 0 | 56.9 | 0 | 0 | 56.9 | 0 | 0 |

Table E11: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B22

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 26 feet High Barrier | | | 28 feet High Barrier | | | 30 feet High Barrier | | |
|------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R245(K525) | 69.3 | 1 | 69.1 | 0.2 | 0 | 69.1 | 0.2 | 0 | 69.1 | 0.2 | 0 |
| R248(K519) | 67.6 | 3 | 67.5 | 0.1 | 0 | 67.5 | 0.1 | 0 | 67.5 | 0.1 | 0 |
| R252(K469) | 58.8 | 1 | 58.9 | -0.1 | 0 | 58.9 | -0.1 | 0 | 58.9 | -0.1 | 0 |
| R253(K499) | 65.4 | 1 | 64.7 | 0.7 | 0 | 64.7 | 0.7 | 0 | 64.7 | 0.7 | 0 |
| R254(K534) | 70 | 0 | 69.7 | 0.3 | 0 | 69.7 | 0.3 | 0 | 69.7 | 0.3 | 0 |
| R255(K510) | 65.5 | 2 | 65.1 | 0.4 | 0 | 65.1 | 0.4 | 0 | 65.1 | 0.4 | 0 |
| R257(K475) | 57.6 | 1 | 57.6 | 0 | 0 | 57.6 | 0 | 0 | 57.6 | 0 | 0 |
| R260(K486) | 59.4 | 1 | 59.2 | 0.2 | 0 | 59.2 | 0.2 | 0 | 59.2 | 0.2 | 0 |
| R261(K491) | 59.5 | 1 | 59.3 | 0.2 | 0 | 59.3 | 0.2 | 0 | 59.3 | 0.2 | 0 |
| R263(K498) | 58 | 1 | 58 | 0 | 0 | 58 | 0 | 0 | 58 | 0 | 0 |
| R265(K503) | 58.2 | 1 | 58.2 | 0 | 0 | 58.2 | 0 | 0 | 58.2 | 0 | 0 |
| R271(K515) | 59.7 | 1 | 59.8 | -0.1 | 0 | 59.8 | -0.1 | 0 | 59.8 | -0.1 | 0 |
| R97a(K115) | 73.9 | 2 | 73.9 | 0 | 0 | 73.9 | 0 | 0 | 73.9 | 0 | 0 |
| R97b(K115) | 72.6 | 2 | 72.5 | 0.1 | 0 | 72.5 | 0.1 | 0 | 72.5 | 0.1 | 0 |
| R97c(K115) | 71.5 | 2 | 70.2 | 1.3 | 0 | 69.3 | 2.2 | 0 | 68.8 | 2.7 | 0 |
| R97d(K115) | 71 | 2 | 67.1 | 3.9 | 0 | 66.8 | 4.2 | 0 | 66.3 | 4.7 | 0 |
| R97e(K115) | 71.2 | 2 | 66.8 | 4.4 | 0 | 66.6 | 4.6 | 0 | 66.4 | 4.8 | 0 |
| R97f(K115) | 71.8 | 2 | 67.5 | 4.3 | 0 | 67.4 | 4.4 | 0 | 67.2 | 4.6 | 0 |
| R97g(K115) | 72.8 | 2 | 69.5 | 3.3 | 0 | 69.3 | 3.5 | 0 | 69.1 | 3.7 | 0 |
| R97h(K115) | 72.7 | 2 | 70.7 | 2 | 0 | 70.6 | 2.1 | 0 | 70.5 | 2.2 | 0 |
| R97i(K115) | 69.9 | 2 | 70 | -0.1 | 0 | 69.9 | 0 | 0 | 69.8 | 0.1 | 0 |
| R97j(K115) | 70.4 | 2 | 70.4 | 0 | 0 | 70.4 | 0 | 0 | 70.4 | 0 | 0 |
| R97k(K115) | 69.9 | 2 | 68.5 | 1.4 | 0 | 67.8 | 2.1 | 0 | 67.2 | 2.7 | 0 |
| R97l(K115) | 69.1 | 2 | 68.3 | 0.8 | 0 | 67.8 | 1.3 | 0 | 67.4 | 1.7 | 0 |
| R97m(K115) | 70.7 | 2 | 66.9 | 3.8 | 0 | 66.7 | 4 | 0 | 66.5 | 4.2 | 0 |

Table E11: Alternative I Individual Property Noise Abatement Analysis Findings Barrier B22

| Receptor | Build With No Barrier L _{eq} (1-hour) dBA | Number of Dwelling Units | 26 feet High Barrier | | | 28 feet High Barrier | | | 30 feet High Barrier | | |
|-------------|--|--------------------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|
| | | | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit | Abated Level dBA | Insertion Loss (I.L.) dBA | Benefited Unit |
| R97n(K115) | 72.7 | 2 | 70.8 | 1.9 | 0 | 70 | 2.7 | 0 | 69.3 | 3.4 | 0 |
| R97o(K115) | 73 | 2 | 72.8 | 0.2 | 0 | 72.5 | 0.5 | 0 | 71.5 | 1.5 | 0 |
| R97P(K115) | 71.1 | 2 | 65.6 | 5.5 | 2 | 65.6 | 5.5 | 2 | 65.6 | 5.5 | 2 |
| R97Q(K115) | 70.8 | 2 | 64.7 | 6.1 | 2 | 64.6 | 6.2 | 2 | 64.5 | 6.3 | 2 |
| R97R(K115) | 70.9 | 2 | 66.8 | 4.1 | 0 | 66.6 | 4.3 | 0 | 66.5 | 4.4 | 0 |
| R97S(K115) | 72.1 | 2 | 71.7 | 0.4 | 0 | 71.5 | 0.6 | 0 | 71.4 | 0.7 | 0 |
| R97T(K115) | 72.4 | 2 | 72.2 | 0.2 | 0 | 72.2 | 0.2 | 0 | 71.7 | 0.7 | 0 |
| R97U(K115) | 72.6 | 2 | 72.4 | 0.2 | 0 | 72.4 | 0.2 | 0 | 71.9 | 0.7 | 0 |
| R97V(K115) | 71.4 | 2 | 67.4 | 4 | 0 | 66.9 | 4.5 | 0 | 65.9 | 5.5 | 2 |
| R97W(K115) | 71.6 | 2 | 65.8 | 5.8 | 2 | 64.9 | 6.7 | 2 | 64.1 | 7.5 | 2 |
| R97X(K115) | 71.9 | 2 | 64.7 | 7.2 | 2 | 63.4 | 8.5 | 2 | 62.4 | 9.5 | 2 |
| R97Y(K115) | 73.5 | 2 | 69.9 | 3.6 | 0 | 69.6 | 3.9 | 0 | 69.4 | 4.1 | 0 |
| R97Z(K115) | 73.8 | 2 | 69.9 | 3.9 | 0 | 69.6 | 4.2 | 0 | 69.3 | 4.5 | 0 |
| R97AA(K115) | 73.9 | 2 | 72.1 | 1.8 | 0 | 71.5 | 2.4 | 0 | 71.2 | 2.7 | 0 |

Summary - Alternative I Individual Property Noise Abatement Analysis Findings Barrier B22

| Barrier B22 | | 26 feet High Barrier | | 28 feet High Barrier | | 30 feet High Barrier | |
|---|-------|--|-------------|--|-------------|--|-------------|
| Total Number of Dwelling Units behind Barrier | 183 | Total Number of Benefited Dwelling Units | 10 | Total Number of Benefited Dwelling Units | 10 | Total Number of Benefited Dwelling Units | 12 |
| Total Number of Impacted Dwelling Units | 125 | Total Number of Benefited Impacted Dwelling Units | 10 | Total Number of Benefited Impacted Dwelling Units | 10 | Total Number of Benefited Impacted Dwelling Units | 12 |
| Barrier Length (feet) | 1,992 | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 40.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 40.0% | % of Benefited Dwelling Units That Receive 7 dB(A) or more Noise Reduction | 50.0% |
| | | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 8% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 8% | % of Impacted Dwelling Units That Receive 5 dB(A) or more Noise Reduction | 9.6% |
| | | Maximum Noise Reduction dB(A) | 8.3 | Maximum Noise Reduction dB(A) | 9.2 | Maximum Noise Reduction dB(A) | 9.8 |
| | | Estimated Total Barrier Cost (\$) | \$1,553,760 | Estimated Total Barrier Cost (\$) | \$1,638,774 | Estimated Total Barrier Cost (\$) | \$1,722,960 |
| | | Cost/Benefit Dwelling Unit | \$155,376 | Cost/Benefit Dwelling Unit | \$163,877 | Cost/Benefit Dwelling Unit | \$143,580 |