

AIR, NOISE AND ENERGY TECHNICAL REPORT

Alignment Selection SDEIS

**APPALACHIAN
CORRIDOR H**
Elkins to Interstate 81

AIR

NOISE

ENERGY



West Virginia Department
of Transportation

Baker

Michael Baker Jr., Inc.

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I. INTRODUCTION

This is the *Air, Noise and Energy Technical Report* of the 1994 Alignment Selection Supplemental Draft Environmental Impact Statement (SDEIS) prepared for the construction of Appalachian Corridor H from Elkins, West Virginia, to Interstate 81 in Virginia. The SDEIS has been prepared in accordance with a two-step process explained in the Preface of the *Corridor H Alignment Selection SDEIS*. Other documents related to the SDEIS include the *Executive Summary*, the *Alignment and Resource Location Plans*, the *Cultural Resources Technical Report*, the *Secondary and Cumulative Impacts Technical Report*, the *Socioeconomics Technical Report*, the *Vegetation and Wildlife Habitat Technical Report*, the *Streams Technical Report*, the *Wetlands Technical Report*, the October 21, 1992 *Corridor Selection SDEIS* and associated Technical Reports and the July 26, 1993 *Decision Document*.

Appalachian Corridor H is one of the economic growth highways designated by Congress to serve the Appalachian Region. There are three alternatives under study: the No-Build Alternative, the Improved Roadway Alternative, and the Build Alternative. The No-Build Alternative means that Corridor H would not be constructed. The Improved Roadway Alternative consists of a proposed two-lane highway which would utilize existing roads as much as possible. The Build Alternative is a proposed four-lane highway which would be constructed entirely on new location. Please refer to the SDEIS, Section III, for more information on the design criteria and design elements of these alternatives.

The purpose of the *Air, Noise and Energy Technical Report* is to analyze the existing conditions within the study area and to assess the potential impacts of the proposed Corridor H project on the air quality, noise environment and energy requirements and to recommend possible mitigation measures, if necessary.

This report consists of three parts: the Air Quality, Noise Environment and Energy Analysis. Each part describes the affected environment, the project impacts, the construction impacts, and mitigation measures, if necessary, to each of three parts. The results of this report have been incorporated into the SDEIS.

II. AIR QUALITY ANALYSIS

A. METHODOLOGY

The primary source of air pollution emissions associated with the project are those caused by motor vehicles using the roadway system. An air quality assessment was performed following the guidelines and recommendations received from the West Virginia Department of Transportation, the West Virginia Division of Environmental Protection, the Virginia State Air Pollution Control Board, the Virginia Department of Transportation and the Environmental Protection Agency - Region 3 in Philadelphia, PA.

This report discusses the existing mobile source (traffic-related) air quality in the study area, the methodology used and the predicted impacts to the local air quality from the implementation or non-implementation of the alternatives. Construction mitigation measures and other mitigation measures, if any, are also addressed.

A microscale analysis was performed in order to predict the effects of Carbon Monoxide (CO) changes to local air quality from the construction of the highway. The microscale analysis predicts the generation and transportation of CO in the immediate project vicinity. The years 2001 (proposed opening year) and 2013 (design year) were analyzed and compared to the National Ambient Air Quality Standard (NAAQS).

Motor vehicle emission rates were computed using Environmental Protection Agency's (EPA's) MOBILE 5.0a emissions model (March, 1993). The emission factors were developed with conservative model inputs. Credits for a "Basic" Inspection/Maintenance Plan (I & M) were not taken to provide more of a worst case scenario. Refueling emissions were also not included in any of the scenarios. Carbon monoxide concentrations from highway vehicles were calculated by using CAL3QHC, a Gaussian dispersion model and hybrid of the CALINE 3 model.

A worst-case approach was taken for nearly all meteorological conditions. Three-hundred and sixty wind directions were analyzed at 1 degree intervals to determine the maximum CO concentrations. Other factors included a wind speed of one meter per second, a neutral atmospheric condition (D), a mixing height of 1000 meters and a worst case ambient temperature of -7°C (20°F).

Modeling was done for the peak one-hour condition. A background concentration of 2.0 ppm for the 1-hour concentration was used to account for CO sources outside the study area. This value was added to the one-hour results. Tables 1 and 2 show the inputs used for the MOBILE 5.0a and the CAL3QHC air quality models, respectively.

TABLE 1
MOBILE 5.0a INPUT PARAMETERS

PARAMETER	INPUT
Region	Low Altitude
Tampering Rates	MOBILE 5.0a default
Inspection/Maintenance	No
Anti-Tampering Program	No
Ambient Temperature	-7° C (20° F)
Vehicle Mix	MOBILE 5.0a default
Vehicle Miles Traveled	MOBILE 5.0 default
Vehicle Mileage	MOBILE 5.0a annual mileage accumulation
Vehicle Emission Rates	MOBILE 5.0a basic exhaust emission rates
Exhaust Emission Factors	Local correction factors for A/C, towing, etc.
Refueling Emissions Calculation	No
Years Analyzed	2001, 2013

TABLE 2
CAL3QHC INPUT PARAMETERS

PARAMETER	INPUT
Stability Class	D (Neutral)
Surface Roughness	0.75 cm-grass
Wind Speed	1 meter/second
Wind Direction	0-359 @ 1° intervals
Mixing Height	1000 100 meters
Receptor Locations	As shown in text
Receptor Height	1.8m (6 feet)
Persistence Factor	Not applicable
Background Concentrations 1-Hour	2.0 ppm
Background Concentrations 8-Hour	1.0 ppm
Traffic Volumes	Design hourly volumes
Traffic Speeds	75-90 kmh (45-55 mph)

Speeds for the roadways and the proposed highway were based on the functional type (urban principal arterials, rural freeways/expressways, etc.) and location of the particular road.

Receptor sites along the roadway were chosen at locations where the highest CO concentrations can be expected and the general public has access during the analysis periods. These sites were placed at various representative points on adjoining property right-of-way lines where people activity may occur. The CO concentrations were compiled to include the project roadway and background concentrations.

A mesoscale or "regional" analysis was not performed for the project because the study area is in attainment for both CO and Ozone (O₃), pollutants most normally associated with mobile source (motor vehicle) emissions.

B. EXISTING ENVIRONMENT

The study area (Randolph, Tucker, Grant and Hardy Counties in West Virginia and Shenandoah and Frederick Counties in Virginia) is located within Region 3 of the United States Environmental Protection Agency's (EPA) jurisdiction. The agencies that are normally involved with air quality in this region are the EPA, the West Virginia Division of Environmental Protection (WVDEP), the West Virginia Department of Transportation (WVDOT), the Virginia State Air Pollution Control Board (SAPCB) and the Virginia Department of Transportation (VDOT).

The Clean Air Act directed the Environmental Protection Agency to establish standards for clean air. The EPA promulgated the National Ambient Air Quality Standards (NAAQS) for six atmospheric pollutants: Carbon Monoxide (CO), Ozone (O₃), Nitrogen Dioxide (NO₂), Sulphur Dioxide (SO₂), Particulate Matter (PM₁₀) and lead (Pb). The NAAQS are shown in Table 3 and represent levels of these pollutants and exposure periods that pose no significant threat to human health or welfare. West Virginia and Virginia adhere to the same standards.

Currently, air monitoring is conducted for these pollutants at various locations throughout the State of West Virginia and the Commonwealth of Virginia by the National Air Monitoring System (NAMS) and State and Local Air Monitoring System (SLAMS) program. As a result of the Clean Air Act Amendments and based on historical monitoring data, all of the counties in the study area are designated as being in attainment for CO and O₃.

TABLE 3
NATIONAL AMBIENT AIR QUALITY STANDARDS

POLLUTANT	TIME OF AVERAGE	PRIMARY STANDARD	SECONDARY STANDARD
PM ₁₀	Ann. Geo. Mean 24-Hour	75 ug/m ³ 260 ug/m ³	none 150 ug/m ³
SO ₂	Ann. Arith. Mean 24-Hour 3-Hour	80 ug/m ³ 365 ug/m ³ none	none none 1300 ug/m ³
NO ₂	Ann. Arith. Mean	100 ug/m ³	100 ug/m ³
CO	8-Hour	10 mg/m ³ 9 ppm	none
	1-Hour	40 mg/m ³ 35 ppm	none
O ₃	1-Hour	0.12 ppm 235 ug/m ³	0.12 ppm 235 ug/m ³
Pb	Quarterly Arith. Mean	1.5 ppm	1.5 ppm

Source: United States Environmental Protection Agency, 1977

ug/m³ = micrograms per cubic meter of air

mg/m³ = milligrams per cubic meter of air

ppm = parts per million

Ann. Geo. Mean = Annual Geometric Mean

Ann. Arith. Mean = Annual Arithmetic Mean

Note: All standards with averaging times of 24 hours or less are not to be exceeded more than once per year.

The term attainment refers to the status of the various pollutants described in the National Ambient Air Quality Standards table previously shown. If the pollutant does not exceed the standard more than once per year, then the pollutant is considered in attainment of the standard. If the pollutant exceeds the standard two or more times during the year, then the pollutant is considered in non-attainment of the standard. When a project is designated as non-attainment, it must be on an approved Transportation Improvement Plan (TIP) or meet a series of requirements in order for the project to be approved. As mentioned, the project is located in areas designated as being in attainment of the standard for CO and O₃.

C. IMPACTS

1. MICROSCALE ANALYSIS

Numerous CO sites were investigated. None of the predicted 1-hour analysis sites exceeded the one-hour criteria of 35 ppm as identified in the National Ambient Air Quality Standards (NAAQS). These predicted concentrations also did not exceed the eight-hour concentration criteria of 9 ppm, therefore; an eight-hour analysis was not performed because the eight-hour concentrations are always less than the 1-hour concentrations. Tables 4 (West Virginia) and 5 (Virginia) show the predicted highest one-hour CO receptor concentrations for all the alternatives for the interim year 2001 and the design year 2013. These concentrations are located in areas where the greatest traffic volumes are at their closest to a property line, typical of where human activity may occur. These predicted concentrations also include a conservative one-hour background level of 2.0 ppm.

a. West Virginia

The highest concentrations in West Virginia are predicted to occur near US Routes 33 and 219 near Elkins. These concentrations are the highest because the predicted traffic volumes are the highest.

The highest predicted one-hour CO concentration for the year 2001 No-Build Alternative is 5.2 ppm. The highest predicted one-hour concentration for the year 2013 No-Build Alternative is 5.5 ppm. Based on these results, no exceedances of either the one or eight-hour criteria is predicted to occur at any receptor for the No-Build Alternative.

TABLE 4
1-HOUR PREDICTED HIGHEST
CARBON MONOXIDE CONCENTRATIONS
WEST VIRGINIA

RECEPTOR	2001			2013		
	NO-BUILD	IRA	BUILD ALTERNATIVE	NO-BUILD	IRA	BUILD ALTERNATIVE
Highest Predicted Receptor (ppm)	5.2	5.3	6.1	5.5	5.6	6.2

NAAQS: 1-HOUR = 35 ppm

NAAQS: 8-HOUR = 9 ppm

The predicted concentrations include a background CO level of 2.0 ppm.

TABLE 5
1-HOUR PREDICTED HIGHEST
CARBON MONOXIDE CONCENTRATIONS
VIRGINIA

RECEPTOR	2001			2013		
	NO-BUILD	IRA	BUILD ALTERNATIVE	NO-BUILD	IRA	BUILD ALTERNATIVE
Highest Predicted Receptor (ppm)	3.0	4.5	4.1	3.0	4.8	4.4

NAAQS: 1-HOUR = 35 ppm

NAAQS: 8-HOUR = 9 ppm

The predicted concentrations include a background CO level of 2.0 ppm.

The highest predicted one-hour CO concentration for the year 2001 Improved Roadway Alternative is 5.3 ppm. The highest predicted one-hour concentration for the year 2013 Improved Roadway Alternative is 5.6 ppm. Based on these results, no exceedances of either the one or eight-hour criteria is predicted to occur at any receptor for the IRA.

The highest predicted one-hour CO concentration for the 2001 Build Alternative is 6.1 ppm. The highest predicted one-hour concentration for 2013 Build Alternative is 6.2 ppm. Based on these results, no exceedances of either the one or eight-hour criteria is predicted to occur at any receptor for any Build Alternative alignments.

b. Virginia

The highest concentrations in Virginia are predicted to occur along VA 55 between Wheatfield, VA and I-81 in VA. These concentrations are the highest because the predicted traffic volumes are the highest.

The highest predicted one-hour CO concentration for the year 2001 No-Build Alternative is 3.0 ppm. The highest predicted one-hour concentration for the year 2013 No-Build Alternative is 3.0 ppm. Based on these results, no exceedances of either the one or eight-hour criteria is predicted to occur at any receptor for the No-Build Alternative.

The highest predicted one-hour CO concentration for the year 2001 Improved Roadway Alternative is 4.5 ppm. The highest predicted one-hour concentration for the year 2013 Improved Roadway Alternative is 4.8 ppm. Based on these results, no exceedances of either the one or eight-hour criteria is predicted to occur at any receptor for the IRA.

The highest predicted one-hour CO concentration for the 2001 Build Alternative is 4.1 ppm. The highest predicted one-hour concentration for the 2013 Build Alternative is 4.4 ppm. Based on these results, no exceedances of either the one or eight-hour criteria is predicted to occur at any receptor for any Build Alternative alignments.

2. MESOSCALE ANALYSIS

This project is in an attainment area where the West Virginia and Virginia State Implementation Plan do not contain any transportation control measures. Therefore, the conformity procedures of 23 CFR 770 do not apply.

There are two ozone monitors within the project's area of influence and two monitors within 30 miles of the same area. They are operated by the Northeastern Forest Experiment Station through the United States Forest Service and United States Department of Agriculture. The two monitors in the study area include a station located in Bearden Knob, West Virginia and a station in Parsons, West Virginia. The two monitors within 30 miles of the study area include a station in Cumberland, Maryland and a station in the Shenandoah National Park at Dickey Ridge, Virginia. The Bearden Knob station has been operational since 1992, and the Parsons station has been in operation since 1988. The Cumberland station has been in operation since 1990, and the Shenandoah station has been in operation since 1988.

The NAAQS has an established standard of 0.12 ppm for ozone that is not to be exceeded more than once in any one year. Historical monitoring information was received from the EPA's National Dry Deposition Network (NDDN) for all these sites through the Northeastern Forest Experiment Station in Parsons. The last full year of monitored and summarized data was available through 1992.

For the Bearden Knob station in 1992, the maximum recorded ozone level was 0.091 ppm. The 99th percentile was recorded at 0.074 ppm, or, only 1 percent of the 4186 readings exceeded 0.074 ppm. The station did not operate in 1991.

For the Parsons station in 1992, the maximum recorded ozone level was 0.089 ppm. The 99th percentile was recorded at 0.071 ppm, or, only 1 percent of the 5021 readings exceeded 0.071 ppm. In 1991, the maximum recorded ozone level was 0.099 ppm. The 99th percentile was recorded at 0.083 ppm, or, only 1 percent of the 5099 readings exceeded 0.083 ppm.

For the Cumberland station in 1992, the maximum recorded ozone level was 0.100 ppm. The 99th percentile was recorded at 0.074 ppm, or, only 1 percent of the 3706 readings exceeded 0.074 ppm. In 1991, the maximum recorded ozone level was 0.087 ppm. The 99th percentile was recorded at 0.069 ppm, or, only 1 percent of the 4323 readings exceeded 0.069 ppm.

For the Shenandoah station in 1992, the maximum recorded ozone level was 0.092 ppm. The 99th percentile was recorded at 0.074 ppm, or, only 1 percent of the 4351 readings exceeded 0.074 ppm. In 1991, the maximum recorded ozone level was 0.104 ppm. The 99th percentile was recorded at 0.085 ppm, or, only 1 percent of the 3894 readings exceeded 0.085 ppm.

The Bearden Knob station has never had a recorded observance over the standard of 0.12 ppm. The Parsons station last had a recorded observance above the standard in 1990 and before that, in 1988 during the severe drought year. The Cumberland station has never had a recorded observance over the standard and the Shenandoah station last had a recorded observance over the standard in 1988 during the severe drought of that year.

A mesoscale analysis was performed to analyze the proposed project's effect on the precursors of ozone, volatile organic compounds (VOCs) and Nitrogen Oxides (NOx). Table 6 shows the total differences in kilograms and tons per day between the existing 1993, the opening year 2001 and design year 2013 No-Build Alternatives and the opening year and design year IRA and Build Alternative. Table 7 shows the differences in percent.

The table shows that the predicted VOC level for the opening year 2001 IRA is 8.1% less than the predicted existing level. The predicted opening year 2001 Build Alternative is 10.4% less than the predicted existing level. The predicted VOC level for the design year 2013 IRA is 3.7% less than the predicted existing level. The predicted design year 2013 Build Alternative is 0.5% less than the predicted existing level.

The predicted VOC level for the opening year 2001 IRA is 12.6% greater than the predicted opening year 2001 No-Build Alternative. The predicted opening year 2001 Build Alternative is 10.2% greater than the predicted opening year 2001 No-Build Alternative. The predicted VOC level for the design year 2013 IRA is 12.0% greater than the predicted design year 2013 No-Build Alternative level. The predicted design year 2013 Build Alternative is 15.5% greater than the predicted design year 2013 No-Build Alternative level.

The predicted NOx level for the opening year 2001 IRA is 4.2% greater than the predicted existing level. The predicted opening year 2001 Build Alternative is 0.1% greater than the predicted existing level. The predicted NOx level for the design year 2013 IRA is 15.3% greater than the predicted existing level. The predicted design year 2013 Build Alternative is 17.8% greater than the predicted existing level.

The predicted NOx level for the opening year 2001 IRA is 15.8% greater than the predicted opening year 2001 No-Build Alternative. The predicted opening year 2001 Build Alternative is 11.9% greater than the predicted opening year 2001 No-Build Alternative. The predicted NOx level for the design year 2013 IRA is 15.0% greater than the predicted design year 2013 No-Build Alternative level. The predicted design year 2013 Build Alternative is 17.4% greater than the predicted design year 2013 No-Build Alternative level.

TABLE 6
PREDICTED DAILY EXISTING, 2001 AND 2013 OZONE PRECURSORS

SCENARIO	VOLATILE ORGANIC COMPOUNDS (VOC) (KILOGRAMS PER DAY)	VOLATILE ORGANIC COMPOUNDS (VOC) (TONS PER DAY)	NITROGEN OXIDES (NOX) (KILOGRAMS PER DAY)	NITROGEN OXIDES (NOX) (TONS PER DAY)
1993 Existing	6,302.140	6.945	11,005.500	12.128
2001 No-Build	5,179.860	5.708	9,911.830	10.923
2001 IRA	5,831.550	6.426	11,474.680	12.645
2001 Build Alternative	5,709.730	6.292	11,092.770	12.224
2013 No-Build	5,428.690	5.982	11,033.890	12.159
2013 IRA	6,080.000	6.700	12,688.640	13.983
2013 Build Alternative	6,271.550	6.911	12,959.810	14.282

TABLE 7
PREDICTED PERCENTAGE CHANGE

SCENARIO	VOC		NO _x	
	Vs. EXISTING	Vs. 2001 NO-BUILD	Vs. EXISTING	Vs. 2001 NO-BUILD
2001 IRA	-8.1%	+12.6%	+4.2%	+15.8%
2001 Build Alternative	-10.4%	+10.2%	+0.1%	+11.9%
2013 IRA	-3.7%	+12.0%	+15.3%	+15.0%
2013 Build Alternative	-0.5%	+15.5%	+17.8%	+17.4%

D. MITIGATION

The proposed project is in an attainment area for CO. Based on the predicted results, the construction of the Build Alternative or IRA will not cause an exceedance of the NAAQS for Carbon Monoxide in any of the analysis years. The predicted Carbon Monoxide concentrations are below both the 1-hour and 8-hour criteria for all conditions. Therefore, no mitigation measures are required as a result of the microscale analysis.

The proposed project is in an attainment area for O₃. It is also in an area where the SIP does not contain any transportation control measures. Therefore, the conformity procedures of Title 23 CFR, Part 770 do not apply.

E. CONSTRUCTION IMPACTS

1. WEST VIRGINIA

Construction activities can have a short-term impact on local air quality during periods of site preparation, with particulate matter, also known as fugitive dust, having the greatest impact. This impact would occur in association with excavation and earth moving, cement, asphalt, aggregate handling, heavy equipment operation, use of haul roads and wind erosion of exposed areas and material storage piles. The effect of fugitive dust would be temporary and would vary in scale depending on local weather conditions, the degree of construction activity and the nature of the construction activity.

All open burning would be done in accordance with all applicable laws, ordinances and regulations, and will be further subject to the applicable provisions of the *Office of Air Quality (OAQ's) West Virginia Administration Regulations, Chapter 126-20, Series IV*. Slight increases in particulate levels may occur during the construction phase of the project. This effect will be minimized by requiring the contractor to adhere strictly to dust control measures as outlined in the WVDOT's Standard Specifications on page 423, "636.4 Aggregates and Dust Palliatives".

Where fugitive dust is likely to be a problem, effective dust control measures could be implemented following standard roadway construction procedures.

These measures could include:

- ◆ minimization of exposed erodible earth area to the extent possible;
- ◆ stabilization of exposed earth with grass, mulch, pavement, or other cover as early possible;
- ◆ periodic sweeping, or application of water or stabilizing agents to the working and haulage areas;
- ◆ covering, shielding, or stabilizing of stockpiled material as necessary, and;
- ◆ the use of covered haul trucks.

2. VIRGINIA

The Contractor would comply with the provisions of Section 107.01 (*LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, Laws to Be Observed*) and especially with the State Air Pollution Control Law and Rules of the State Air Pollution Control Board, including notifications required therein.

Burning would be done in accordance with applicable local laws and ordinances. Burning shall be performed under the constant surveillance of competent watch persons. The Contractor would not burn rubber tires, asphaltic materials, used crankcase oil, or similar materials which produce dense smoke, either to dispose of such materials or as an ignitor or promoter in the burning of other materials. Care would be exercised so that the burning of materials does not destroy or damage public or private property, or cause excessive air pollution.

III. NOISE ANALYSIS

A. METHODOLOGY

This preliminary noise analysis presents a description of the applicable noise standards and criteria, an assessment of the existing noise environment, the methods used for analysis, the predicted impact assessment of future levels and a discussion of mitigation measures. Construction mitigation measures are also discussed.

1. CHARACTERISTICS OF NOISE

Noise is often defined as unwanted sound. It is emitted from many sources including highway vehicles, airplanes, factories, railroad cars and power plants. Highway vehicle noise is a composite of engine exhaust, drive train and tire-roadway interaction.

Sound intensity is normally presented as a sound level using the unit "decibel" (dB). The decibel is used to measure either sound power or sound pressure levels. These sound pressure levels are shown as dBA $L_{eq}(h)$. The term dBA refers to decibels on the A-weighted scale that represents the way the human ear perceives sound and the term $L_{eq}(h)$ refers to a representative of an average sound level over an hour's time period.

Sound is a very subjective concept. Degrees of sound disturbance depend on several things; the amount and nature of the intruding noise, the relationship between the background noise and intruding noise and the type of activity occurring where the noise is heard.

Time also enters into an individual's noise judgment. For example, a car horn is much more annoying at 2 am than at 2 pm even though the car horn has the same decibel level at both times. This is because the nighttime background levels (say 45 dBA) are lower than the daytime levels (say 55 dBA), so the person notices the greater difference at night.

Activity interference can also occur depending on what the person is doing. For certain sound levels, normal conversation may be possible but sleep may be difficult. Work that involves a high degree of concentration may be affected by noise while manual labor may not be interrupted to the same level by the same sound.

As mentioned, sound is a subjective concept. It is so subjective that a person may not consider a particular sound source to be intrusive if that person is subjected to the same or similar noise over a long period of time.

2. METHODOLOGY

Traffic noise calculations were performed using the FHWA approved STAMINA 2.0, a computer model derived from the FHWA Highway Traffic Noise Prediction Model, FHWA-RD 77-108, December, 1978. The modeling accounted for soft/hard sites, traffic speed and design hour volumes for autos, medium trucks (2-axle, 6-tire) and heavy trucks (3 or more axles).

Noise prediction analyses were performed for the existing scenario and the design year scenarios for the year 2013. Traffic volumes for the study were derived from the West Virginia Department of Transportation (WVDOT) and from traffic reports performed by Michael Baker, Jr., Inc., (Baker). The design hourly volumes (DHV) were used in the analysis, representing the loudest period of the day. Design speeds were used for the roadways. Traffic assumptions included a DHV of 10%. The vehicle mix for the proposed highway is predicted to consist of 90% automobiles (including pickup trucks, vans, etc.), 3% medium trucks (2-axle/6-tires) and 7% heavy trucks (3 or more axles), as derived from recent traffic surveys. The traffic data is presented in Section II of the *Appalachian Corridor H Alignment selection SDEIS*.

Table 8 shows the Federal Highway Administration (FHWA) Noise Abatement Criteria (NAC) for various land use Activity Categories. Activity Category B, representative of residences, schools, churches, parks, etc., was used as the criteria for sensitive receptors identified in the study area. When the NAC is approached or exceeded at any receptor location, then noise abatement must be considered for that site. The approach criteria is defined as 1 dBA less than the NAC for any of the categories.

The State of West Virginia also has a substantial increase criteria, based on one of the recommended standards established by FHWA. It is the predicted noise level increase over the existing condition. There is one parameter for this criteria. If the existing noise level at a particular site is increased as a result of the proposed action by greater than 15 decibels over the existing levels, then abatement must be considered. The State of Virginia has a substantial increase criteria based on 10 or more decibels.

3. MEASURED NOISE LEVELS

Forty-two short-term measurements of \approx 10-20 minutes' duration were taken using a Metrosonics dB-308 Precision I integrating sound level meter during the peak traffic periods. Simultaneous traffic counts were recorded for nearby roadways as applicable. There were 35 measured sites in West Virginia and 7 measured sites in Virginia. These sites are shown in the Noise Receptor Location Plans. Nearly 2300 locations were modeled to account for areas most likely affected as result of the proposed action. These locations are also shown in the Noise Receptor Location Plans and in tables identified and referred to in Section C, Project Impacts.

TABLE 8
NOISE ABATEMENT CRITERIA (NAC)
HOURLY A-WEIGHTED SOUND LEVEL- DECIBELS (DBA)

ACTIVITY CATEGORY	L_{eq} (h)	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)	Picnic areas, recreation areas, playgrounds, active sports areas, parks, residences, motels, hotels, schools, churches, libraries and hospitals.
C	72 (exterior)	Developed lands, properties, or activities not included in Categories A or B above.
D	--	Undeveloped lands.
E	52 (interior)	Residences, motels, hotels, public meeting rooms, schools, churches, libraries, hospitals and auditoriums.

Source: Federal-Aid Highway Program Manual Transmittal 348, August 9, 1982; Vol. 7, Ch. 7; Sec 3, Attachment.

Vehicle classification counts were also taken during the measurement periods to determine the percentage of heavy trucks (3 or more axles), medium trucks (2-axle/6-tires) and passenger vehicles (including vans, pickup trucks and motorcycles).

B. EXISTING ENVIRONMENT

Land use determines the sensitivity of an area to noise. Residential areas are the most sensitive to noise, particularly single family homes. Land uses which are less sensitive to noise include open land, wooded areas, commercial properties and agricultural areas.

Land use within the study area can be characterized as predominantly woodland and agricultural areas, occupying approximately 90% of the study area. The remainder of the study area is characterized as residential, commercial, industrial, other urban land, areas of mines/quarries/pits, transportation/commercial/utilities, other agricultural land and water resources. Residential, commercial and industrial areas are mainly located on the primary travel routes.

Tables 9 (West Virginia) and 10 (Virginia) show existing noise levels, land uses, the measurement period and the dominant noise source(s) at that site. This was validated in the field for the 42 noise monitoring sites. Tables 11 (West Virginia) and 12 (Virginia) show the existing noise levels, the hourly vehicle volumes, the distances from existing roadways and the estimated travel speeds on these roads as applicable.

TABLE 9
MEASURED NOISE LEVELS
WEST VIRGINIA

LOCATION#	LAND USE	DATE	MEASUREMENT PER IOD	L _{eq} (dBA)	DOMINANT NOISE SOURCE
8	Residential	10-18-93	11:35-11:43	42	Local Activities
9	School	10-18-93	17:41-17:49	57	WV 55
10	Residential	10-18-93	17:30-17:38	43	Local Activities
11	Recreational	10-18-93	13:10-13:18	57	WV 55
12	Residential	10-18-93	13:30-13:38	43	Local Activities
13	Health Care	10-18-93	17:07-17:15	57	WV 55
14	School	10-18-93	14:10-14:18	53	WV 55
15	Church	10-18-93	16:45-16:53	59	WV 55
16	Residential	10-18-93	14:40-14:48	43	Local Activities
17	Res/Agricul.	10-18-93	15:03-15:11	43	Local Activities
18	Residential	10-18-93	15:25-15:33	43	Local Activities
19	Church	10-18-93	15:50-15:58	62	WV 55
20	Res/Agricul.	10-19-93	16:15-16:23	43	Local Activities
21	Res/Agricul.	10-19-93	08:45-08:53	64	US 220/WV 28
22	Agricultural	10-19-93	09:30-09:38	42	Local Activities
23	Residential	10-19-93	11:00-11:08	42	Local Activities
24	Residential	10-19-93	11:30-11:38	42	Local Activities
25	Industrial	10-19-93	12:00-12:08	62	Local Activities
26	Church	10-19-93	13:20-13:28	46	Local Activities
27	Recreational	10-19-93	14:00-14:10	43	Local Activities
28	Residential	10-20-93	15:30-15:47	69	US 219
29	Residential	10-20-93	16:00-16:08	64	US 219
30	Church	10-20-93	16:23-16:31	54	US 219
31	Res/Agricul.	10-21-93	15:45-15:55	45	Local Activities
32	Residential	10-21-93	15:30-15:40	45	Local Activities
33	Church	10-21-93	16:15-16:25	53	Local Activities
34	Res/Com	10-21-93	16:48-16:58	71	US 219
35	Res/Agricul.	10-21-93	17:06-17:26	51	Local Activities
36	Res/Institut.	10-21-93	17:22-17:32	64	US 219
37	Residential	10-21-93	17:40-17:50	55	Local Activities
38	Res/Agricul.	10-21-93	17:50-18:00	61	US 219
39	Res/Agricul.	10-22-93	07:50-08:00	49	Local Activities
40	Commercial	10-22-93	08:10-08:20	68	WV 92
41	Industrial	10-22-93	08:30-08:40	69	WV 92
42	Church	10-22-93	08:52-09:02	50	Local Activities

Source: Michael Baker jr. Inc.

**TABLE 10
MEASURED NOISE LEVELS
VIRGINIA**

LOCATION#	LAND USE	DATE	MEASUREMENT PERIOD	Leq (dBA)	DOMINANT NOISE SOURCE
1	Church	10-18-93	08:35-08:44	56	VA 55
2	Residential	10-18-93	09:20-09:28	45	Local Activities
3	Residential	10-18-93	09:50-09:58	55	VA 55
4	Church	10-18-93	10:15-10:23	49	VA 55
5	Commercial	10-18-93	18:05-18:13	58	VA 55
6	Residential	10-18-93	10:50-10:58	45	Local Activities
7	Recreational	10-18-93	11:08-11:16	44	Local Activities

Source: Michael Baker jr. Inc.

TABLE 11
OTHER MEASURED SITE CHARACTERISTICS
WEST VIRGINIA

SITE	SITE NAME & GENERAL LOCATION	HOURLY VEHICLE VOLUMES						DISTANCE FROM NEAR TRAVEL LANE C/L	ESTIMATED SPEED
		NEAR LANE			FAR LANE				
		A	MT	HT	A	MT	HT		
8	Residential, on CR 5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	Wardensville School	173	0	0	158	0	0	15m (50 ft)	60km (35mph)
10	Residential, Trout Run Road, CR 23/12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
11	Lost River Park	180	8	0	38	8	0	15m (50 ft)	75km (45mph)
12	Residential, CR 23/8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
13	E.A. Hawse Contiguous Health Care Center	105	8	8	75	15	8	30m (100 ft)	83km (50 mph)
14	East Hardy High School	105	0	8	173	0	23	90m (300 ft)	83km (50 mph)
15	Baker United Methodist Church	68	0	15	83	8	15	45m (150 ft)	92km (55 mph)
16	Residential, William Hawse House, CR 8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
17	Res/Agricultural, CR 23/4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
18	Residential, CR 23/3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
19	God's Way United Pentacost Church	128	8	0	75	15	23	15m (50 ft)	92km (55 mph)
20	Res/Agricultural, CR 15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21	Res/Agricultural, US 220/WV 28	98	8	8	30	23	0	14m (40 ft)	92km (55 mph)
22	Agricultural, CR 220/8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
23	Residential, CR 3/2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24	Residential, CR 42/1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
25	Industrial, near Power Plant, WV 93	15	0	15	15	0	38	15m (50 ft)	100km (60mph)

Source: Michael Baker jr. Inc.

Note: A=Automobile (including vans, pickup trucks and motorcycles)
 MT=Medium Truck (2-axle/6-tires)
 HT=Heavy Truck (3 or more axles)
 n/a=not applicable (no traffic visible at the receptor site)
 C/L = Centerline

TABLE 11 (CONTINUED)
OTHER MEASURED SITE CHARACTERISTICS
WEST VIRGINIA

SITE	SITE NAME & GENERAL LOCATION	HOURLY VEHICLE VOLUMES						DISTANCE FROM NEAR TRAVEL LANE C/L	ESTIMATED SPEED
		NEAR LANE			FAR LANE				
		A	MT	HT	A	MT	HT		
26	St. John's Lutheran Church, 3rd Street	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
27	Monongehela National Forest	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
28	Residential, US 219	64	0	26	143	11	23	14m (40 ft)	A-92km 55mph) T-50km 30mph)
29	Residential, US 219 near WVDOT building	270	8	8	113	15	15	15m (50 ft)	A-92km 55mph) T-58km 35mph)
30	Riverview Chapel, CR 39, near US 219	113	0	8	158	0	23	30m (100 ft)	83km (50mph)
31	Res/Agricultural, CR 3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
32	Residential, CR 3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
33	Hambleton United Methodist Church	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
34	Res/Commercial, US 219 and CR 3	126	0	12	60	6	24	15m (50 ft)	92km (55mph)
35	Res/Agricultural, CR 7 and CR 3/3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
36	Res/Cemetery, US 219	138	0	6	132	12	6	15m (50 ft)	92km (55mph)
37	Residential, CR 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
38	Res/Agricultural, US 219	114	6	6	126	6	6	15m (50 ft)	66km (40mph)
39	Res/Agricultural, CR 14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
40	Commercial, WV 93/CR 11	336	12	18	156	12	36	15m (50 ft)	75 km (45mph)
41	Industrial (Quarry) WV 93	366	78	24	138	0	18	14m (40 ft)	83km (50mph)
42	Leadsville Church	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Source: Michael Baker jr. Inc.

Note: A=Automobile (including vans, pickup trucks and motorcycles)
 MT=Medium Truck (2-axle/6-tires)
 HT=Heavy Truck (3 or more axles)
 n/a=not applicable (no traffic visible at the receptor site)
 C/L = Centerline

TABLE 12
OTHER MEASURED SITE CHARACTERISTICS
VIRGINIA

SITE	SITE NAME & GENERAL LOCATION	HOURLY VEHICLE VOLUMES						DISTANCE FROM NEAR TRAVEL LANE C/L	ESTIMATED SPEED
		NEAR LANE			FAR LANE				
		A	MT	HT	A	MT	HT		
1	Shiloh United Methodist Church	75	15	0	113	15	0	30m (100 ft)	92km (55mph)
2	Residential, corner of VA 629 and VA 631	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3	Residential, corner of VA 55 and VA 623	113	15	0	75	15	0	15m (50 ft)	92km (55mph)
4	Laurel Hill Christian Church	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5	Four Corners Restaurant	83	0	0	38	0	0	n/a	n/a
6	Residential, VA 608	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	George Washington National Forest	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Source: Michael Baker jr. Inc.

Note: A=Automobile (including vans, pickup trucks and motorcycles)
 MT=Medium Truck (2-axle/6-tires)
 HT=Heavy Truck (3 or more axles)
 n/a=not applicable (no traffic visible at the receptor site)
 C/L = Centerline

C. IMPACTS

Noise prediction analyses were performed for the existing (1993) and the design year (2013) scenarios. Table 1 identified the Federal Highway Administration (FHWA) Noise Abatement Criteria (NAC) for various land use Activity Categories. Activity Category B, representative of residences, schools, churches and parks, was used as the criteria for sensitive receptors identified for this project. When the NAC is approached or exceeded at any receptor location, then noise abatement must be considered for that site. The approach criteria used in both West Virginia and Virginia is 66 dBA for Category B receptors.

The State of West Virginia applies a substantial increase criteria of greater than 15 decibels over the existing condition. The State of Virginia applies a substantial increase criteria of 10 or more decibels.

After a review of maps, preliminary plans and field investigations, 42 noise locations were measured in the study area, representing various land uses and vehicle type and volume characteristics. Nearly 2,300 receptor locations were modeled to account for sensitive receptor locations most likely affected by the proposed project. These locations are identified in Appendix A. Receptor identifications and locations are shown in Appendix C, Air Quality and Noise Receptors.

1. EXCEEDANCE OF THE FHWA CRITERIA (WV)

There are 118 receptors which approach or exceed the FHWA Noise Abatement Criteria for existing 1993 conditions. In the year 2013, the number of predicted FHWA exceedances is 200 for the No-Build Alternative, 286 receptors for the Improved Roadway Alternative and 60 receptors for the Build Alternative (Line A).

In the Interchange Option Area, Line I has 5 more predicted exceedances than Line A (7 vs. 2). The Shavers Fork Option Area Line S has 0 predicted exceedances (0 vs. 0). The Patterson Creek Option Area Line P also has 0 predicted exceedances (0 vs. 0). In the Forman Option Area, Line F has 1 more predicted exceedance than Line A (1 vs. 0). In the Baker Option Area, Line B has no additional predicted exceedances than Line A (2 vs. 2). In the Hanging Rock Option Area, Line R has 2 fewer predicted exceedances than Line A (0 vs. 2).

2. EXCEEDANCE OF THE FHWA CRITERIA (VA)

There are 5 receptors which approach or exceed the FHWA Noise Abatement Criteria for existing 1993 conditions. In the year 2013, the number of predicted FHWA exceedances is 18 for the No-Build Alternative, 52 receptors for the Improved Roadway Alternative and 8 receptors for the Build Alternative (Line A).

In the Duck Run Option Area, Line D-1 has no more predicted exceedances than Line A (1 vs. 1); Line D-2 has 1 less predicted exceedance than Line A (0 vs. 1). In the Lebanon Church Option Area, Line L has 5 more additional predicted exceedances than Line A (6 vs. 1).

Table 13 summarizes the receptors by FHWA noise activity category B for each alternative for both West Virginia and Virginia.

3. EXCEEDANCE OF THE SUBSTANTIAL INCREASE CRITERIA (WV)

Existing condition is the basis of which Substantial Increase Criteria is measured. In the year 2013, the number of receptors with predicted exceedances is 0 for the No-Build Alternative, 27 for the Improved Roadway Alternative and 84 for the Build Alternative (Line A).

In the Interchange Option Area, Line I has 21 more predicted exceedances than Line A (24 vs. 3). The Shavers Fork Option Area Line S has 0 predicted exceedances (0 vs. 0). In the Patterson Creek Option Area, Line P has 2 more predicted exceedances than Line A (2 vs. 0). In the Forman Option Area, Line F has 1 more predicted exceedance than Line A (1 vs. 0). In the Baker Option Area, Line B has no more predicted exceedances than Line A (2 vs. 2). In the Hanging Rock Option Area, Line R has 2 more predicted exceedances than Line A (2 vs. 0).

4. EXCEEDANCE OF THE SUBSTANTIAL INCREASE CRITERIA (VA)

Existing condition is the basis of which Substantial Increase Criteria is measured. In the year 2013, the number of receptors with predicted exceedances is 0 for the No-Build Alternative, 5 for the Improved Roadway Alternative and 49 for the Build Alternative (Line A).

In the Duck Run Option Area, Line D-1 has 3 more predicted exceedances than Line A (15 vs. 12); Line D-2 has no more predicted exceedances than Line A (12 vs. 12). In the Lebanon Church Option Area, Line L has 46 more predicted exceedances than Line A (54 vs. 8).

Table 14 summarizes the receptors by substantial increase criteria for each alternative for both West Virginia and Virginia. The predicted sound levels for all the receptors are included in Appendix B, Existing and Predicted Sound Levels (dBA).

**TABLE 13
PREDICTED FHWA NOISE ACTIVITY CATEGORY EXCEEDANCES**

WEST VIRGINIA

		# PREDICTED EXCEEDANCES															
FHWA ACTIVITY CATEGORY	NAC APPROACH CRITERIA	1993 WV Existing	2013 WV No- Build	2013 WV IRA	2013 WV Line A	Option Area Comparisons In WV - 2013											
						Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock	
						Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A
Category B	66 dBA	118	200	286	60	7	2	0	0	0	0	1	0	2	2	0	2

VIRGINIA

		# PREDICTED INCREASES								
FHWA ACTIVITY CATEGORY	NAC APPROACH CRITERIA	1993 VA Existing	2013 VA No- Build	2013 VA IRA	2013 VA Line A	Option Area Comparisons In VA - 2013				
						Duck Run			Lebanon Church	
						Line D1	Line D2	Line A	Line L	Line A
Category B	66 dBA	5	18	52	8	1	0	1	6	1

**TABLE 14
PREDICTED 2013 SUBSTANTIAL INCREASE EXCEEDANCES**

WEST VIRGINIA

		# PREDICTED INCREASES - 2013															
LEVEL OF PREDICTED INCREASE	WV IMPACT CRITERIA*	2013 WV No- Build	2013 WV IRA	2013 WV Line A	Option Area Comparisons in WV												
					Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		
					Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	
< 0-5dBA	None	1,879	1,362	1,344	59	91	35	32	5	4	8	9	36	33	9	3	
6-10 dBA	Minimal	0	416	288	10	16	4	7	3	3	1	3	12	13	1	8	
11-15 dBA	Moderate	0	74	163	21	4	0	0	3	6	3	1	3	5	4	5	
>15 dBA	Substantial	0	27	84	24	3	0	0	2	0	1	0	2	2	2	0	

VIRGINIA

		# PREDICTED INCREASES							
LEVEL OF PREDICTED INCREASE	VA IMPACT CRITERIA*	2013 VA No- Build	2013 VA IRA	2013 VA Line A	Option Area Comparisons in VA				
					Duck Run			Lebanon Church	
					Line D1	Line D2	Line A	Line L	Line A
< 0-5dBA	---	334	198	244	11	13	15	44	116
6-9 dBA	---	0	131	41	12	13	11	31	5
= or >10 dBA	Substantial	0	5	49	15	12	12	54	8

* Note: West Virginia defines a substantial increase as an increase greater than 15 dBA
Virginia defines substantial increase as an increase greater than or equal to 10 dBA

D. MITIGATION

1. INTRODUCTION

Mitigation measures are considered when either the design year sound levels exceed or approach the FHWA Noise Abatement Criteria previously identified or the predicted levels for the design year represents a substantial increase over the existing sound level at the same site. The approach criteria for West Virginia and Virginia is 66 dBA for Category B receptors, representative of exterior sound levels for residences, schools, churches, parks and other institutional activities. West Virginia defines a substantial increase as greater than 15 decibels over the existing condition and Virginia defines a substantial increase as 10 or more decibels over the existing condition.

Mitigation consideration is comprised of two components: feasibility and reasonableness. Feasibility deals primarily with quantitative elements such as topography, access points, drainage, safety, maintenance requirements, other noise sources and whether the proposed insertion of barrier can reduce the sound levels by a minimum of at least 5 dBA with a preferential sound level reduction of 10 dBA.

Reasonableness is a more subjective criteria. Reasonable determinations are made for cost effectiveness for protecting isolated or a small number of receptors, exposed wall heights, distance to receptor from mitigated source, minimum decibel change of at least 3 dB over the existing levels (when people first notice can notice a minor change in the sound environment, residential support or desires for noise abatement features and concerns for physical and visual access.

Where noise abatement considerations are warranted, every reasonable effort will be made to achieve adequate noise level reductions for locations where the levels exceed the noise abatement criteria or where the projected noise level exceed the substantial increase criteria.

A preliminary analysis addressed receptors that required noise mitigation consideration. Some receptors were eliminated from further and more detailed noise abatement consideration in the form of sound barriers because of the following justifiable warrants:

- ♦ Isolated or single receptor locations, that would not typically warrant further consideration because of the potential cost of protecting one site;
- ♦ Areas where there were only a few homes that would potentially not have acceptable cost per receptor ratios;
- ♦ Areas where there are predicted noise contributions coming from other streets that would have predicted an insufficient sound level reduction Insertion Loss (IL) from any proposed barrier;
- ♦ Direct access requirements to the roadways, particularly along most of the length of the Improved Roadway Alternative;

- ◆ Business visibility and access to the general public, and;
- ◆ Safety issues, including line-of-sight requirements, particularly where the proposed roadway and the local roads and driveways intersect at-grade.

Noise reduction measures can be considered. Shielding by trees or shrubs alone will not be a practical solution for substantial noise reduction. Intervening buildings themselves may be used as noise barriers. A solid acoustically opaque roadside barrier can theoretically reduce noise exposure of a property by as much as 15 to 20 dBA (to make the sound levels approximately one-third to one-fourth as loud), but a typical reduction is 10 dBA (to make the sound levels about one-half as loud). For maximum effectiveness, a barrier should be close to either the source or the receiver and it should be high enough and long enough to adequately mitigate the site. Space limitations and public involvement will usually govern the type of barrier that will be used. A combination of earth mound topped by a wall can be visually pleasing as well as functional. In some cases, the wall may serve to control access and eliminate the need for and cost of right-of-way fencing. Note that it is generally not feasible to construct noise barriers along highways or sections of highways that have uncontrolled access due to the need for openings in the barriers in order to provide access to adjacent development.

a. Earth Berms

One of the more aesthetically pleasing barriers is the earth berm, which has been graded to achieve a natural form blending with the surrounding topography. The feasibility of berm construction should be considered as part of the overall grading plan for the highway. There may be instances where an effective earth berm can be constructed within normal right-of-way or with a minimal additional right-of-way purchase. If right-of-way is insufficient to accommodate a full height earth berm, a lower earth berm can be constructed in combination with a wall to achieve the necessary height. An earth berm may also provide slightly more attenuation (up to 3 dBA) than a vertical barrier wall of the same height because of the better absorptive quality of the earth.

b. Barrier Walls

Barrier walls can effectively reduce highway noise levels for adjacent land use areas. The barriers can be constructed of a multitude of common building materials such as concrete, wood, plastic and recycled products and can range from relatively simple design such as simple straight-line walls to rather complex design such as working with the local features that integrate the terrain and existing neighborhood characteristics. The materials chosen should be rigid and of sufficient density to provide adequate mitigation, while at the same time be attractive, durable and relatively maintenance-free, as well as provide for drainage.

Both on-site cost and noise attenuation must be considered when selecting barrier materials. No one material can be recommended generally, since some materials which reduce sound may be too expensive and not applicable to every situation. In addition, consideration must be made for the on-site cost of the foundations, fabrication, erection and maintenance of the wall as well as any additional drainage costs that may be associated with the construction of the barrier.

c. Highway Plantings

Existing dense highway vegetation can, under certain conditions, reduce traffic sound levels. Vegetation which is a minimum of 30 meters (100 feet) in depth, 4.5 meters (14 feet) in height and with sufficient density so that no visual path through it exists between the highway and the adjacent land use area, can achieve a sound level reduction of up to 5 dBA. A narrow width of vegetation will not provide any degree of effective sound levels reduction though it may have a perceived effect on a person if "something" is located between the highway and the observer. Where desirable vegetation exists between the proposed highway and the adjacent land use areas, every effort will be made to preserve and encourage its propagation.

d. Structures (Existing Or Proposed Buildings)

Buildings or structures adjacent to the roadway can have a substantial shielding effect for other properties in the shielded area. The protected side can be provided with as much as 15 dBA of sound level attenuation. This amount would only occur when the buildings are continuous and there is no direct line-of-sight between the source and the observer. A row of houses, depending on their spacing, can typically reduce sound levels by 3 to 5 dBA. This type of shielding is more prevalent in the more populated areas where residential neighborhood, institutional, commercial and/or industrial buildings exist.

2. PRELIMINARY IDENTIFICATION OF SOUND BARRIER LOCATIONS

A preliminary location analysis was done to identify noise mitigation areas to be studied for those receptors that were not eliminated from further study. Detailed sound barrier justifications that deal with specific lengths, heights, materials, costs, distances from the roadway, community desires and visual impacts would be analyzed in final design.

These estimate areas are very conservative in length and location and will be typically the maximum extent of any solid wall sound barrier proposals. Through the FEIS, some (or many) of these areas may be eliminated from further consideration for similar reasons listed for the areas that were not addressed for preliminary location analysis. In addition to these warrants, they may be eliminated from further consideration because of proposed cut slopes and of how the receptors may be shielded from the roadway by the natural terrain and other features such as intervening buildings and dense forests.

Table 15 shows areas in West Virginia adjacent to the Improved Roadway Alternative that are proposed to be studied further in the FEIS. No sound barrier locations were identified as feasible in Virginia along the IRA. Tables 16 through 24 show proposed preliminary sound barrier locations for each of the alignments in the Build Alternative. The costs assume an average structure height of 20 feet and a cost of \$16 per square foot. The estimate may be slightly higher where sections of the proposed sound barrier crosses bridges and requires additional support. Final length, height and cost will be addressed in the FEIS. There are also no barriers proposed for the Shavers Fork or Forman Option Areas or for the corresponding segments of Line A.

E. CONSTRUCTION NOISE

1. WEST VIRGINIA

Heavy equipment operations and certain construction activities, such as pile driving and the vibratory compaction of embankments will result in temporary noise increases within the area. All such potential impacts are limited in duration to the actual construction period and limited to the immediate vicinity of the work in progress. Any anticipated noise impacts will be confined to time periods considered relatively "noise tolerant" periods generally accepted to be normal weekday working hours as well as the possible use of temporary sound barriers, as well as any additional measures recommended and contained in WVDOT's *Standard Specifications*.

To reduce the construction noise impact, the WVDOT may recommend the following mitigation measures:

- ♦ The contractor will be required to use construction equipment with operable mufflers.
- ♦ The contractor will be prohibited from working on the approaches in residential areas during the hours between 10 pm and 6 am.

The construction noise abatement measures described above will be included in contract plans for the project.

TABLE 15
PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
IMPROVED ROADWAY ALTERNATIVE
WEST VIRGINIA

STATIONS	LENGTH	COST
393+00LT to 407+00LT	426m (1400 ft)	\$448,000
2285+00LT to 2295+00LT	305m (1000 ft)	\$320,000
5167+00LT to 5183+00LT	488m (1600 ft)	\$512,000
6610+00LT to 6625+00LT	457m (1500 ft)	\$480,000
		Total Cost: \$1,760,000

TABLE 16
PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
BUILD ALTERNATIVE LINE A
WEST VIRGINIA

STATIONS	LENGTH	COST
387+00LT to 410+00LT	701m (2300 ft)	\$736,000
634+00LT to 645+00LT	335m (1100 ft)	\$352,000
557+00RT to 570+00RT	396m (1300 ft)	\$416,000
570+00LT to 585+00LT	457m (1500 ft)	\$480,000
727+00LT to 750+00LT	701m (2300 ft)	\$736,000
741+00RT to 761+00RT	610m (2000 ft)	\$640,000
3210+00LT to 3267+00LT	1737m (5700 ft)	\$1,824,000
3380+00LT to 3343+00LT	1067m (3500 ft)	\$1,120,000
3331+00RT to 3354+00RT	701m (2300 ft)	\$736,000
3571+00LT to 3600+00LT	884m (2900 ft)	\$928,000
3635+00LT to 3655+00LT	610m (2000 ft)	\$640,000
3686+00LT to 3700+00LT	426m (1400 ft)	\$448,000
4993+00LT to 5014+00LT	640m (2100 ft)	\$672,000
5667+00LT to 5704+00LT	823m (2700 ft)	\$864,000
5983+00LT to 5991+00LT	244m (800 ft)	\$256,000
6026+00LT to 6035+00LT	274m (900 ft)	\$288,000
6275+00LT to 6300+00LT	762m (2500 ft)	\$800,000
7165+00LT to 7175+00LT	30m (100 ft)	\$32,000
7216+00RT to 7232+00RT	488m (1600 ft)	\$512,000
7515+00LT to 7530+00LT	457m (1500 ft)	\$480,000
7548+00RT to 7564+00RT	488m (1600 ft)	\$512,000
7548+00LT to 7568+00LT	610m (2000 ft)	\$640,000
		Total Cost: \$19,392,000

TABLE 17
PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
BUILD ALTERNATIVE LINE A
VIRGINIA

STATIONS	LENGTH	COST
8025+00LT to 8055+00LT	914m (3000 ft)	\$960,000
8021+00RT to 8041+00RT	610m (2000 ft)	\$640,000
8061+00LT to 8095+00LT	1036m (3400 ft)	\$1,088,000
8065+00RT to 8073+00RT	244m (800 ft)	\$256,000
8155+00RT to 8190+00RT	1067m (3500 ft)	\$1,120,000
8255+00LT to 8282+00LT	823m (2700 ft)	\$864,000
8311+00LT to 8324+00LT	396m (1300 ft)	\$416,000
8450+00LT to 8457+00LT	213m (700 ft)	\$224,000
8459+00LT to 8464+00LT	152m (500 ft)	\$160,000
8462+00RT to 8472+00RT	305m (1000 ft)	\$320,000
A 610 linear meter (2000 linear foot) area along the west side of I-81 and south of Line A (no station numbering in this area next to the proposed interchange)	610m (2000 ft)	\$640,000
		Total Cost: \$7,328,000

TABLE 18
PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
INTERCHANGE OPTION AREA LINE I
WITH CORRESPONDING SECTION OF LINE A
WEST VIRGINIA

LINE I			LINE A		
STATIONS	LENGTH	COST	STATIONS	LENGTH	COST
638+00LT to 648+00LT	305m (1000 ft)	\$320,000	387+00LT to 410+00LT	701m (2300 ft)	\$736,000
638+00RT to 648+00RT	305m (1000 ft)	\$320,000	634+00LT to 645+00LT	335m (1100 ft)	\$352,000
2966+00RT to 3005+00RT	1188m (3900 ft)	\$1,248,000	557+00RT to 570+00RT	396m (1300 ft)	\$416,000
2991+00LT to 3003+00LT	366m (1200 ft)	\$384,000	570+00LT to 585+00LT	457m (1500 ft)	\$480,000
3056+00LT to 3085+00LT	884m (2900 ft)	\$928,000	727+00LT to 750+00LT	701m (2300 ft)	\$736,000
3013+00LT to 3041+00LT	853m (2800 ft)	\$896,000	741+00RT to 761+00RT	610m (2000 ft)	\$640,000
		Total Cost: \$4,096,000			Total Cost: \$3,360,000

**TABLE 19
 PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
 PATTERSON CREEK OPTION AREA LINE P
 WITH CORRESPONDING SECTION OF LINE A
 WEST VIRGINIA**

LINE P			LINE A		
STATIONS	LENGTH	COST	STATIONS	LENGTH	COST
5547+00RT to 5557+00RT	305m (1000 ft)	\$320,000	(none proposed)		
		Total Cost: \$320,000			Total Cost: \$0

**TABLE 20
 PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
 BAKER OPTION AREA LINE B
 WITH CORRESPONDING SECTION OF LINE A
 WEST VIRGINIA**

LINE B			LINE A		
STATIONS	LENGTH	COST	STATIONS	LENGTH	COST
7040+00RT to 7058+00RT	549m (1800 ft)	\$576,000	(none proposed)		
		Total Cost: \$576,000			Total Cost: \$0

TABLE 21
PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
HANGING ROCK OPTION AREA LINE R
WITH CORRESPONDING SECTION OF LINE A
WEST VIRGINIA

LINE R			LINE A		
STATIONS	LENGTH	COST	STATIONS	LENGTH	COST
(none proposed)			7165+00LT to 7175+00LT	305m (1000 ft)	\$320,000
		Total Cost: \$0			Total Cost: \$320,000

TABLE 22
PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
DUCK RUN OPTION AREA LINE D-1
WITH CORRESPONDING SECTION OF LINE A
VIRGINIA

LINE D-1			LINE A		
STATIONS	LENGTH	COST	STATIONS	LENGTH	COST
8025+00LT to 8055+00LT	914m (3000 ft)	\$960,000	8025+00LT to 8055+00LT	914m (3000 ft)	\$960,000
8021+00RT to 8041+00RT	610m (2000 ft)	\$640,000	8021+00RT to 8041+00RT	610m (2000 ft)	\$640,000
		Total Cost: \$1,600,000			Total Cost: \$1,600,000

**TABLE 23
 PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
 DUCK RUN OPTION AREA LINE D-2
 WITH CORRESPONDING SECTION OF LINE A
 VIRGINIA**

LINE D-2			LINE A		
STATIONS	LENGTH	COST	STATIONS	LENGTH	COST
8006+00LT to 8024+00LT	549m (1800 ft)	\$560,000	8025+00LT to 8055+00LT	914m (3000 ft)	\$960,000
			8021+00RT to 8041+00RT	610m (2000 ft)	\$640,000
		Total Cost: \$560,000			Total Cost: \$1,600,000

**TABLE 24
 PROPOSED PRELIMINARY SOUND BARRIER LOCATIONS
 LEBANON CHURCH OPTION AREA LINE L
 WITH CORRESPONDING SECTION OF LINE A
 VIRGINIA**

LINE L			LINE A		
STATIONS	LENGTH	COST	STATIONS	LENGTH	COST
8255+00LT to 8284+00LT	884m (2900 ft)	\$928,000	8055+00LT to 8282+00LT	823m (2700 ft)	\$864,000
8422+00RT to 8480+00RT	1768m (5800 ft)	\$1,856,000	8311+00LT to 8324+00LT	396m (1300 ft)	\$416,000
8420+00RT to 8436+00RT	488m (1600 ft)	\$512,000	8450+00LT to 8457+00LT	213m (700 ft)	\$224,000
8459+00RT to 8473+00RT	426m (1400 ft)	\$448,000	8459+00LT to 8464+00LT	152m (500 ft)	\$160,000
			8462+00RT to 8472+00RT	305m (1000 ft)	\$320,000
			A 610 linear meter (2000 linear foot) area west of I-81 and south of Line A (no station numbering in this area next to the proposed interchange)		\$640,000
			Total Cost:		Total Cost:
			\$3,744,000		\$3,264,000

2. VIRGINIA

The Contractor's operations shall be performed in such a manner that the exterior noise levels measured at a noise sensitive activity shall not exceed 80 dB(A) during periods of such activity. Noise sensitive activity is defined as any activity for which lowered noise levels are essential if such activity is to serve its intended purpose. Noise sensitive activities include, but are not limited to, those associated with residences, hospitals, nursing homes, churches, schools, libraries, parks and recreational areas.

The Department reserves the right to monitor construction related noise as deemed necessary. In the event construction noise levels exceed the criteria herein, the Contractor shall take such action as necessary to conform before proceeding with operations. The Contractor shall be responsible for all costs associated with the abatement of construction noise and with the delay of operations due to non-compliance with these requirements.

The Department reserves the right to prohibit or restrict to certain portions of the project, any work which produces objectionable noise during normal sleep hours, 10 pm to 6 am, unless other hours are established by local ordinance in which case the local ordinance shall govern.

Equipment shall in no way be altered so as to result in noise levels which are greater than those produced by the original equipment.

When feasible, the Contractor shall establish haul routes which direct vehicles away from developed areas and ensure that noise from hauling operations is kept to a minimum.

These requirements are not applicable if the ambient noise (noise produced by sources other than the Contractor's operation) at the point of reception is greater than the noise from the Contractor's operation at the same point.

IV. ENERGY ANALYSIS

A. METHODOLOGY

The energy analysis is basically a comparison of the energy requirements of the daily energy consumption for the No-Build, Improved Roadway and Build Alternatives. Three categories of energy consumption are analyzed; construction, maintenance and operational. Total energy consumption is also provided for a comparison of the No-Build, Improved Roadway and Build Alternatives.

Construction-related energy consumption is based on the construction cost of the Alternatives. This methodology was developed for the FHWA by the California Transportation (CALTRANS) Laboratory, *Energy and Transportation Systems*, July, 1983. It determines the total amount of joules (metric equivalent of British Thermal Units, or BTU's) required for the production and placement of materials (asphalt, structures, cut, fill, etc.) based on the project's construction cost. Approximately 131,850,000 joules (125,000 BTU's) equals 3.785 liters (1 US gallon) of fuel. These estimates were converted to liters of fuel for convenient presentation.

Maintenance and operational energy consumption is calculated using the manual *Energy Requirements for Transportation Systems*, United States Department of Transportation (USDOT), Federal Highway Administration (FHWA), Office of Environmental Policy (OEP), June, 1980. Maintenance energy for the alternatives is based on an annual consumption factor of $1,265.76 \times 10^8$ joules (1.20×10^8 BTU) per 1.7 lane km (per lane mile).

Operational energy consumption is influenced by vehicle size, vehicle weight, traffic conditions, engine size, vehicle accessories, roadway design and driving mode. Vehicle Miles Traveled (VMTs) were developed for the alternatives for the proposed opening year 2001 and the design year 2013. This data was combined with vehicle fuel consumption tables to develop total vehicle consumption totals for the alternatives.

Total energy requirements are the sum of the energy required for construction, maintenance and operation of the systems.

B. EXISTING ENVIRONMENT

The existing energy consumption environment is not normally analyzed. Only the Design Year No-Build, Improved Roadway and Build Alternatives are analyzed and compared.

C. IMPACTS

Table 25 shows the construction cost and predicted energy consumed for each alternative. Table 26 shows the amount of maintenance energy predicted for each alternative. Table 27 shows the predicted

operational energy for each alternative and Table 28 summarizes these tables into a total energy requirement figure for each of the alternatives.

The Alternative which is predicted to consume the least amount of energy is the No-Build Alternative, due to the lack of additional construction energy consumption associated with the Build Alternative and IRA. However, the predicted consumption levels of the No-Build Alternative do not take into account the additional fuel consumption by longer travel times and fluctuating acceleration rates resulting from driving the mountainous terrain. The traffic prediction model estimates speeds and travel times by links that cover a large distance of roadway section. This has a tendency to "flatten out" speeds over long distances instead of showing the slower speeds in specific areas that may need to be improved for better travel flow. This could be the case for the No-Build Alternative now and in the future, regardless of the proposed project. These projects also consume energy that would need to be added to the No-Build network, thereby increasing the predicted energy consumption values closer to the Build Alternative and the IRA.

D. MITIGATION

Mitigation measures for energy consumption are not normally employed, primarily due to the avoidance of environmentally sensitive areas, single family residences and basic engineering laws. However, recovery of the construction energy may be calculated to predict when the benefits gained by the predicted operational consumption equal or exceed the construction energy loss.

This project is intended to attract people into the area; therefore, recovery of the construction energy that would normally result from the relief of congestion is not applicable to this project. However, as mentioned previously, energy that is not predicted to be used for this project may have to be used for other roadway improvements resulting from the non-implementation of the Improved Roadway Alternative or the Build Alternative.

**TABLE 25
CONSTRUCTION ENERGY CONSUMPTION**

	Option Area Comparisons in WV														
	WV	WV	WV	Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock	
	No-Build	IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A
Construction Costs (in millions)															
Current Year 1994	n/a	387.778	951.162	15.790	17.545	14.733	33.119	43.813	44.510	27.905	40.417	35.402	25.919	26.883	33.348
Cost Conversion Year 1977	n/a	186.272	456.898	7.585	8.428	7.077	15.909	21.046	21.381	13.404	19.415	17.006	12.450	12.913	16.019
Construction Energy Consumption (in millions)															
Annual liters	n/a	18.613	45.655	0.758	0.842	0.707	1.590	2.103	2.136	1.339	1.940	1.699	1.244	1.290	1.601
Annual gallons	n/a	4.918	12.062	0.200	0.222	0.187	0.420	0.556	0.564	0.354	0.513	0.449	0.329	0.341	0.423

	Option Area Comparisons in VA							
	VA	VA	VA	Duck Run			Lebanon Church	
	No-Build	IRA	Line A	Line D1	Line D2	Line A	Line L	Line A
Construction Costs (in millions)								
Current Year 1994	n/a	26.019	122.583	82.329	68.497	70.775	33.663	32.247
Cost Conversion Year 1977	n/a	12.498	58.884	39.547	32.903	33.997	16.170	15.490
Construction Energy Consumption (in millions)								
Annual liters	n/a	1.249	5.884	3.952	3.288	3.397	1.616	1.548
Annual gallons	n/a	0.330	1.555	1.044	0.869	0.898	0.427	0.409

**TABLE 26
MAINTENANCE ENERGY CONSUMPTION**

	Option Area Comparisons in WV														
	WV No- Build	WV IRA	WV Line A	Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock	
				Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A
Lane Miles	1022	1096	1354	12	12	8	8	12	12	8	8	8	12	4	4
Maintenance Energy Consumption (in millions)															
Annual liters	0.186	0.199	0.246	0.044	0.044	0.029	0.029	0.044	0.044	0.029	0.029	0.029	0.044	0.015	0.015
Annual gallons	0.049	0.053	0.064	0.012	0.012	0.008	0.008	0.012	0.012	0.008	0.008	0.008	0.012	0.004	0.004

	Option Area Comparisons in VA							
	VA No- Build	VA IRA	VA Line A	Duck Run			Lebanon Church	
				Line D1	Line D2	Line A	Line L	Line A
Lane Miles	304	304	390	16	16	16	20	20
Maintenance Energy Consumption (in millions)								
Annual liters	0.056	0.056	0.071	0.058	0.058	0.058	0.073	0.073
Annual gallons	0.015	0.015	0.018	0.015	0.015	0.015	0.019	0.019

**TABLE 27
OPERATIONAL ENERGY CONSUMPTION**

	Option Area Comparisons in WV														
	WV No- Build	WV IRA	WV Line A	Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock	
				Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A
2013 VMT (in millions)	2.229	2.789	2.947	0.053	0.054	0.020	0.020	0.022	0.022	0.020	0.016	0.026	0.030	0.010	0.010
Operational Energy (in millions)															
2013 Daily liters	101.717	127.445	137.869	2.411	2.480	0.937	0.937	1.029	1.029	0.918	0.735	1.212	1.364	0.459	0.459
2013 Daily gallons	26.874	33.671	36.425	0.637	0.655	0.247	0.247	0.272	0.272	0.243	0.194	0.320	0.360	0.121	0.121
2001 VMT (in millions)	1.555	1.946	2.057	0.037	0.038	0.014	0.014	0.015	0.015	0.014	0.011	0.018	0.021	0.007	0.007
Operational Energy (in millions)															
2001 Daily liters	70.982	88.936	96.210	1.682	1.731	0.654	0.654	0.718	0.718	0.641	0.513	0.846	0.952	0.320	0.320
2001 Daily gallons	18.754	23.497	25.419	0.445	0.457	0.172	0.172	0.190	0.190	0.170	0.135	0.223	0.251	0.084	0.084
Average Annual liters	44,472.207	55,720.163	60,277.596	1,054.134	1,083.921	408.746	408.746	450.117	450.117	402.126	321.039	529.549	595.743	200.236	200.236
Average Annual gallons	11,749.592	14,721.311	15,925.389	278.503	286.373	107.991	107.991	118.921	118.921	106.242	84.819	139.907	157.396	52.902	52.902

	Option Area Comparisons in VA							
	VA No- Build	VA IRA	VA Line A	Duck Run			Lebanon Church	
				Line D1	Line D2	Line A	Line L	Line A
2013 VMT (in millions)	2.345	2.417	2.629	0.045	0.045	0.045	0.072	0.075
Operational Energy (in millions)								
2013 Daily liters	117.721	121.036	127.946	2.071	2.071	2.071	3.306	3.453
2013 Daily gallons	31.102	31.978	33.804	0.547	0.547	0.547	0.873	0.912
2001 VMT (in millions)	1.636	1.687	1.835	0.031	0.031	0.031	0.050	0.052
Operational Energy (in millions)								
2001 Daily liters	82.150	84.463	89.285	1.445	1.445	1.445	2.307	2.410
2001 Daily gallons	21.704	22.315	23.590	0.382	0.382	0.382	0.609	0.636
Average Annual liters	51,468.876	52,918.517	55,940.257	905.198	905.198	905.198	1,444.677	1,509.215
Average Annual gallons	13,598.118	13,981.114	14,779.460	239.154	239.154	239.154	381.685	398.736

**TABLE 28
TOTAL ENERGY CONSUMPTION**

Energy Consumption Data (in millions)	WV No-Build	WV IRA	WV Line A	Option Area Comparisons in WV											
				Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock	
				Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A
Construction Energy															
Annual liters	n/a	18.613	45.655	0.758	0.842	0.707	1.590	2.103	2.136	1.339	1.940	1.699	1.244	1.290	1.601
Annual gallons	n/a	4.918	12.062	0.200	0.222	0.187	0.420	0.556	0.564	0.354	0.513	0.449	0.329	0.341	0.423
Maintenance Energy															
Annual liters	0.186	0.199	0.246	0.044	0.044	0.029	0.029	0.044	0.044	0.029	0.029	0.029	0.044	0.015	0.015
Annual gallons	0.049	0.053	0.064	0.012	0.012	0.008	0.008	0.012	0.012	0.008	0.008	0.008	0.012	0.004	0.004
Operational Energy															
Annual liters	44,472.207	55,720.163	60,277.596	1,054.134	1,083.921	408.746	408.746	450.117	450.117	402.126	321.039	529.549	595.743	200.236	200.236
Annual gallons	11,749.592	14,721.311	15,925.389	278.503	286.373	107.991	107.991	118.921	118.921	106.242	84.819	139.907	157.396	52.902	52.902
Total Energy															
Annual liters	44,472.393	55,738.975	60,323.497	1,054.936	1,084.807	409.482	410.365	452.264	452.297	403.494	323.008	531.277	597.031	201.541	201.852
Annual gallons	11,749.641	14,726.282	15,937.515	278.715	286.607	108.186	108.419	119.489	119.497	106.604	85.340	140.364	157.737	53.247	53.329

Energy Consumption Data (in millions)	VA No-Build	VA IRA	VA Line A	Option Area Comparisons in VA				
				Duck Run			Lebanon Church	
				Line D1	Line D2	Line A	Line L	Line A
Construction Energy								
Annual liters	n/a	1.249	5.884	3.952	3.288	3.397	1.616	1.548
Annual gallons	n/a	0.330	1.555	1.044	0.869	0.898	0.427	0.409
Maintenance Energy								
Annual liters	0.056	0.056	0.071	0.058	0.058	0.058	0.073	0.073
Annual gallons	0.015	0.015	0.018	0.015	0.015	0.015	0.019	0.019
Operational Energy								
Annual liters	51,468.876	52,918.517	55,940.257	905.198	905.198	905.198	1,444.677	1,509.215
Annual gallons	31.102	31.978	33.804	0.547	0.547	0.547	0.873	0.912
Total Energy								
Annual liters	51,468.932	52,919.822	55,946.212	909.208	908.544	908.653	1,446.366	1,510.836
Annual gallons	31.117	32.323	35.377	1.606	1.431	1.460	1.319	1.340

V. REFERENCES

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APPENDIX A
RECEPTOR IDENTIFICATION
AND LOCATION

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1 - Residential	Station No. 305+00 - RT	US 33 & 250 - Aggregates (WV)
2 - Residential	Station No. 305+00 - RT	US 33 & 250 - Aggregates (WV)
3 - Residential	Station No. 305+00 - RT	US 33 & 250 - Aggregates (WV)
4 - Residential	Station No. 300+00 - RT	US 33 & 250 - Aggregates (WV)
5 - Residential	Station No. 395+00 - LT	CR 14 - Crystal Springs (WV)
6 - Residential	Station No. 395+00 - LT	CR 14 - Crystal Springs (WV)
7 - Residential	Station No. 395+00 - LT	CR 14 - Crystal Springs (WV)
8 - Residential	Station No. 395+00 - LT	CR 14 - Crystal Springs (WV)
9 - Residential	Station No. 390+00 - RT	CR 14 - Crystal Springs (WV)
10 - Residential	Station No. 390+00 - RT	CR 14 - Crystal Springs (WV)
11 - Residential	Station No. 395+00 - RT	CR 14 - Crystal Springs (WV)
12 - Residential	Station No. 400+00 - RT	CR 14 - Crystal Springs (WV)
13 - Residential	Station No. 415+00 - RT	CR 11 - Crystal Springs (WV)
14 - Residential	Station No. 430+00 - RT	CR 11 (WV)
15 - Residential	Station No. 435+00 - RT	CR 11 (WV)
16 - Residential	Station No. 435+00 - RT	CR 11 (WV)
17 - Residential	Station No. 435+00 - RT	CR 11 (WV)
18 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
19 - Residential Apartments	Station No. 460+00 - RT	US 219 - Leadsville (WV)
20 - Residential	Station No. 450+00 - LT	CR 11 (WV)
21 - Residential	Station No. 445+00 - LT	CR 11 (WV)
22 - Residential	Station No. 450+00 - LT	CR 11 (WV)
23 - Residential	Station No. 450+00 - LT	CR 11 (WV)
24 - Residential	Station No. 450+00 - LT	CR 11 (WV)
25 - Residential	Station No. 450+00 - LT	CR 11 (WV)
26 - Residential	Station No. 450+00 - LT	CR 11 (WV)
27 - Residential	Station No. 450+00 - LT	CR 11 (WV)
28 - Residential	Station No. 450+00 - LT	CR 11 (WV)
29 - Residential	Station No. 445+00 - LT	CR 11 (WV)
30 - Residential	Station No. 445+00 - LT	CR 11 (WV)
31 - Residential	Station No. 445+00 - LT	CR 11 (WV)
32 - Residential	Station No. 445+00 - LT	CR 11 (WV)
33 - Residential	Station No. 445+00 - LT	CR 11 (WV)
34 - Residential	Station No. 445+00 - LT	CR 11 (WV)
35 - Residential	Station No. 445+00 - LT	CR 11 (WV)
36 - Residential	Station No. 445+00 - LT	CR 11 (WV)
37 - Residential	Station No. 445+00 - LT	CR 11 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
38 - Residential	Station No. 445+00 - LT	CR 11 (WV)
39 - Residential	Station No. 445+00 - LT	CR 11 (WV)
40 - Residential	Station No. 445+00 - LT	CR 11 (WV)
41 - Residential	Station No. 445+00 - LT	CR 11 (WV)
42 - Residential	Station No. 445+00 - LT	CR 11 (WV)
43 - Residential	Station No. 455+00 - LT	CR 11 (WV)
44 - Residential	Station No. 455+00 - LT	CR 11 (WV)
45 - Residential	Station No. 455+00 - LT	CR 11 (WV)
46 - Residential	Station No. 455+00 - LT	CR 11 (WV)
47 - Residential	Station No. 455+00 - LT	CR 11 (WV)
48 - Residential	Station No. 455+00 - LT	CR 11 (WV)
49 - Residential	Station No. 455+00 - LT	CR 11 (WV)
50 - Residential	Station No. 455+00 - LT	CR 11 (WV)
51 - Residential	Station No. 455+00 - LT	CR 11 (WV)
52 - Residential	Station No. 455+00 - LT	CR 11 (WV)
53 - Residential	Station No. 455+00 - LT	CR 11 (WV)
54 - Residential	Station No. 455+00 - LT	CR 11 (WV)
55 - Residential	Station No. 450+00 - LT	CR 11 (WV)
56 - Residential	Station No. 450+00 - LT	CR 11 (WV)
57 - Residential	Station No. 450+00 - LT	CR 11 (WV)
58 - Residential	Station No. 450+00 - LT	CR 11 (WV)
59 - Residential	Station No. 455+00 - LT	CR 11 (WV)
60 - Residential	Station No. 465+00 - LT	CR 11 (WV)
61 - Residential	Station No. 470+00 - LT	CR 11 (WV)
62 - Residential	Station No. 475+00 - LT	CR 11 (WV)
63 - Residential	Station No. 480+00 - LT	CR 11 (WV)
64 - Residential	Station No. 475+00 - LT	CR 11 (WV)
65 - Residential	Station No. 470+00 - LT	CR 11 (WV)
66 - Residential	Station No. 470+00 - LT	CR 11 (WV)
67 - Residential	Station No. 465+00 - LT	CR 11 (WV)
68 - Residential	Station No. 465+00 - LT	CR 11 (WV)
69 - Residential	Station No. 465+00 - LT	CR 11 (WV)
70 - Residential	Station No. 465+00 - LT	CR 11 (WV)
71 - Residential	Station No. 465+00 - LT	CR 11 (WV)
72 - Residential	Station No. 460+00 - LT	CR 11 (WV)
73 - Institutional Church	Station No. 460+00 - LT	CR 11 (WV)
75 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
76 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
77 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
78 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
79 - Residential	Station No. 475+00 - RT	US 219 - Leadsville (WV)
80 - Residential	Station No. 475+00 - RT	US 219 - Highland Park (WV)
81 - Residential	Station No. 480+00 - RT	US 219 - Highland Park (WV)
82 - Residential	Station No. 480+00 - RT	US 219 - Highland Park (WV)
83 - Residential	Station No. 480+00 - RT	US 219 - Highland Park (WV)
84 - Residential	Station No. 390+00 - LT	CR 14/ CR 14/1 (WV)
85 - Residential	Station No. 400+00 - LT	CR 14/ CR 14/1 (WV)
86 - Residential	Station No. 405+00 - LT	CR 14/ CR 14/1 (WV)
87 - Residential	Station No. 385+00 - RT	CR 14 - Crystal Springs (WV)
88 - Residential	Station No. 415+00 - RT	CR 11 - Crystal Springs (WV)
89 - Residential	Station No. 445+00 - LT	CR 11 (WV)
90 - Residential	Station No. 445+00 - LT	CR 11 (WV)
91 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
92 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
95 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
96 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
97 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
98 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
100 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
101 - Residential	Station No. 450+00 - RT	US 219 - Leadsville (WV)
102 - Residential	Station No. 450+00 - RT	US 219 - Leadsville (WV)
103 - Residential	Station No. 450+00 - RT	US 219 - Leadsville (WV)
104 - Residential	Station No. 450+00 - RT	US 219 - Leadsville (WV)
105 - Residential	Station No. 450+00 - RT	US 219 - Leadsville (WV)
106 - Residential	Station No. 450+00 - RT	US 219 - Leadsville (WV)
107 - Residential	Station No. 450+00 - RT	US 219 - Leadsville (WV)
108 - Residential	Station No. 450+00 - RT	US 219 - Leadsville (WV)
109 - Residential	Station No. 455+00 - RT	US 219 - Leadsville (WV)
110 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
111 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
112 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
113 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
114 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
115 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
116 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
117 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
118 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
119 - Institutional Church	Station No. 460+00 - RT	US 219 - Leadsville (WV)
120 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
121 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
122 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
123 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
124 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
125 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
126 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
127 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
128 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
129 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
130 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
131 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
132 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
133 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
134 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
135 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
136 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
137 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
138 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
139 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
140 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
141 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
142 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
143 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
144 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
145 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
146 - Residential	Station No. 460+00 - RT	US 219 - Leadsville (WV)
147 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
148 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
149 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
150 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
151 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
152 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
153 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
154 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
155 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
156 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
157 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
158 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
159 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
160 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
161 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
162 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
163 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
164 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
165 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
166 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
167 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
168 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
169 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
170 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
171 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
172 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
173 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
174 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
175 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
176 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
177 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
178 - Residential	Station No. 465+00 - RT	US 219 - Leadsville (WV)
179 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
180 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
181 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
182 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
183 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
184 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
185 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
186 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
187 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
188 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
189 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
190 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)
191 - Residential	Station No. 470+00 - RT	US 219 - Leadsville (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
192 - Residential	Station No. 505+00 - RT	US 219 (WV)
193 - Residential	Station No. 505+00 - RT	US 219 (WV)
194 - Residential	Station No. 510+00 - RT	US 219 (WV)
195 - Residential	Station No. 515+00 - RT	US 219 (WV)
196 - Residential	Station No. 515+00 - RT	US 219 (WV)
197 - Residential	Station No. 515+00 - RT	US 219 (WV)
198 - Residential	Station No. 515+00 - RT	US 219 (WV)
199 - Residential	Station No. 525+00 - RT	US 219 - Gilman (WV)
200 - Residential	Station No. 520+00 - RT	US 219 - Gilman (WV)
201 - Residential	Station No. 530+00 - RT	US 219 - Gilman (WV)
202 - Institutional Cemetery	Station No. 535+00 - RT	US 219 - Gilman (WV)
203 - Residential	Station No. 545+00 - RT	US 219 - Gilman (WV)
204 - Residential	Station No. 545+00 - RT	US 219 - Gilman (WV)
205 - Residential	Station No. 550+00 - RT	US 219 - Gilman (WV)
206 - Residential	Station No. 555+00 - RT	US 219 - Gilman (WV)
207 - Institutional Family Life Center	Station No. 575+00 - RT	US 219 - Gilman (WV)
208 - Residential	Station No. 580+00 - RT	US 219 - CR 219/11 (WV)
209 - Residential	Station No. 585+00 - RT	US 219 - CR 219/11 (WV)
210 - Residential	Station No. 585+00 - RT	US 219 - CR 219/11 (WV)
211 - Residential	Station No. 590+00 - RT	US 219 - CR 219/11 (WV)
212 - Residential	Station No. 590+00 - RT	US 219 - CR 219/11 (WV)
213 - Residential	Station No. 595+00 - RT	US 219 - CR 219/11 (WV)
214 - Residential	Station No. 595+00 - RT	US 219 - CR 219/11 (WV)
215 - Institutional Cemetery	Station No. 600+00 - RT	US 219 - CR 219/11 (WV)
216 - Residential	Station No. 600+00 - RT	US 219 - Gilman (WV)
217 - Residential	Station No. 600+00 - RT	US 219 (WV)
218 - Residential	Station No. 605+00 - RT	US 219 (WV)
219 - Residential	Station No. 605+00 - RT	US 219 (WV)
220 - Residential	Station No. 610+00 - RT	US 219 (WV)
221 - Residential	Station No. 615+00 - RT	US 219 (WV)
222 - Residential	Station No. 620+00 - RT	US 219 (WV)
223 - Residential	Station No. 620+00 - RT	US 219 (WV)
224 - Residential	Station No. 625+00 - RT	US 219 (WV)
225 - Residential	Station No. 565+00 - RT	CR 1 (WV)
226 - Residential	Station No. 565+00 - LT	CR 1 (WV)
227 - Residential	Station No. 570+00 - RT	CR 1 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
228 - Residential	Station No. 570+00 - RT	CR 1 (WV)
229 - Residential	Station No. 570+00 - LT	CR 1 (WV)
230 - Residential	Station No. 575+00 - LT	CR 1 (WV)
231 - Residential	Station No. 580+00 - LT	CR 1 (WV)
232 - Residential	Station No. 580+00 - LT	CR 1 (WV)
233 - Residential	Station No. 580+00 - LT	CR 1 (WV)
234 - Residential	Station No. 580+00 - LT	CR 1 (WV)
235 - Residential	Station No. 580+00 - LT	CR 1 (WV)
236 - Residential	Station No. 585+00 - LT	CR 1 (WV)
237 - Residential	Station No. 585+00 - LT	CR 1 (WV)
238 - Residential	Station No. 585+00 - LT	CR 1 (WV)
239 - Residential	Station No. 585+00 - LT	CR 1 (WV)
240 - Residential	Station No. 585+00 - LT	CR 1 (WV)
241 - Residential	Station No. 590+00 - LT	CR 1 (WV)
242 - Residential	Station No. 575+00 - LT	CR 1 (WV)
243 - Residential	Station No. 575+00 - LT	CR 1 (WV)
244 - Residential	Station No. 575+00 - LT	CR 1 (WV)
245 - Residential	Station No. 585+00 - LT	CR 1 (WV)
246 - Residential	Station No. 610+00 - LT	CR 1 (WV)
247 - Residential	Station No. 605+00 - LT	CR 1 (WV)
248 - Residential	Station No. 605+00 - LT	CR 1 (WV)
249 - Residential	Station No. 595+00 - LT	CR 1 (WV)
253 - Residential	Station No. 570+00 - LT	CR 1 (WV)
254 - Residential	Station No. 585+00 - RT	US 219 (WV)
255 - Residential	Station No. 585+00 - RT	CR 219/1 (WV)
256 - Residential	Station No. 590+00 - RT	CR 219/1 (WV)
257 - Residential	Station No. 650+00 - LT	US 219 (WV)
258 - Residential	Station No. 645+00 - LT	US 219 (WV)
259 - Residential	Station No. 645+00 - LT	US 219 (WV)
260 - Residential	Station No. 645+00 - LT	US 219 (WV)
261 - Residential	Station No. 650+00 - RT	US 219 (WV)
262 - Residential	Station No. 640+00 - RT	US 219 (WV)
263 - Residential	Station No. 645+00 - RT	US 219 (WV)
264 - Residential	Station No. 650+00 - RT	US 219 (WV)
265 - Residential	Station No. 660+00 - RT	US 219 (WV)
266 - Residential	Station No. 680+00 - RT	US 219/ CR 7 (WV)
267 - Residential	Station No. 710+00 - RT	CR 3/3/ CR 7 (WV)
268 - Residential	Station No. 730+00 - RT	CR 3/3 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
270 - Residential	Station No. 705+00 - LT	CR 7 (WV)
271 - Residential	Station No. 705+00 - LT	CR 7 (WV)
272 - Residential	Station No. 705+00 - LT	CR 7 (WV)
273 - Residential	Station No. 710+00 - LT	CR 7 (WV)
274 - Residential	Station No. 705+00 - LT	CR 7 (WV)
275 - Residential	Station No. 705+00 - LT	CR 7 (WV)
276 - Residential	Station No. 705+00 - LT	CR 7 (WV)
277 - Residential	Station No. 705+00 - LT	CR 7 (WV)
278 - Residential	Station No. 705+00 - LT	CR 7 (WV)
279 - Residential	Station No. 705+00 - LT	CR 7 (WV)
280 - Residential	Station No. 710+00 - LT	CR 7 (WV)
281 - Residential	Station No. 700+00 - LT	CR 7 (WV)
282 - Residential	Station No. 700+00 - RT	CR 7 (WV)
283 - Institutional Hart Chapel United Methodist Church	Station No. 735+00 - RT	US 219 - Kerens (WV)
284 - Residential	Station No. 630+00 - LT	CR 1 (WV)
285 - Residential	Station No. 640+00 - LT	CR 1 (WV)
286 - Residential	Station No. 640+00 - RT	CR 1 (WV)
287 - Residential	Station No. 645+00 - RT	CR 1 (WV)
288 - Residential	Station No. 685+00 - RT	CR 7 (WV)
289 - Residential	Station No. 695+00 - RT	CR 7 (WV)
290 - Residential	Station No. 705+00 - LT	CR 7 (WV)
291 - Residential	Station No. 705+00 - LT	CR 7 (WV)
292 - Residential	Station No. 705+00 - LT	CR 7 (WV)
295 - Residential	Station No. 3105+00 - LT	CR 3 (WV)
296 - Residential	Station No. 3090+00 - RT	CR 7/ CR 3/4 (WV)
297 - Residential	Station No. 3095+00 - RT	CR 7/ CR 3/4 (WV)
298 - Residential	Station No. 3095+00 - RT	CR 7 (WV)
299 - Residential	Station No. 3100+00 - RT	CR 7 (WV)
300 - Residential	Station No. 3110+00 - RT	CR 7 (WV)
301 - Residential	Station No. 3085+00 - RT	CR 3/4/ CR 7 (WV)
302 - Residential	Station No. 3085+00 - RT	CR 3/4 (WV)
303 - Residential	Station No. 3075+00 - RT	CR 7 (WV)
304 - Residential	Station No. 3085+00 - LT	CR 3/ CR 3/4 (WV)
305 - Residential	Station No. 3080+00 - LT	CR 3 & CR 3/4 (WV)
306 - Residential	Station No. 3075+00 - LT	CR 3 & CR 3/4 (WV)
307 - Residential	Station No. 3075+00 - LT	CR 3 & CR 3/4 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
308 - Residential	Station No. 3070+00 - LT	CR 3/ US 219 (WV)
309 - Residential	Station No. 3065+00 - LT	CR 3/ US 219 (WV)
310 - Residential	Station No. 3060+00 - LT	US 219 & CR 3 (WV)
311 - Residential	Station No. 3060+00 - LT	US 219/ CR 3 (WV)
312 - Institutional	Station No. 3060+00 - LT	US 219 & CR 3 (WV)
313 - Residential	Station No. 3060+00 - LT	US 219/ CR 3 (WV)
314 - Residential	Station No. 3060+00 - LT	CR 3/ US 219 (WV)
315 - Residential	Station No. 3065+00 - LT	CR 3/ US 219 (WV)
316 - Residential	Station No. 3065+00 - LT	US 219/ CR 3 (WV)
317 - Residential	Station No. 3060+00 - LT	US 219 (WV)
318 - Residential	Station No. 3065+00 - LT	US 219 (WV)
319 - Residential	Station No. 3065+00 - LT	US 219 (WV)
320 - Residential	Station No. 3070+00 - LT	US 219 (WV)
321 - Residential	Station No. 3055+00 - LT	CR 3/ US 219 (WV)
322 - Residential	Station No. 3050+00 - LT	CR 3/ US 219 (WV)
323 - Residential	Station No. 3050+00 - RT	US 219/ CR 3 (WV)
324 - Residential	Station No. 3055+00 - RT	US 219/ CR 3 (WV)
325 - Residential	Station No. 3055+00 - RT	US 219/ CR 3 (WV)
326 - Residential	Station No. 3045+00 - RT	US 219 (WV)
327 - Residential	Station No. 3035+00 - RT	US 219 (WV)
328 - Residential	Station No. 3035+00 - RT	US 219 (WV)
329 - Residential	Station No. 3030+00 - RT	US 219 (WV)
330 - Institutional Cemetery	Station No. 3040+00 - LT	CR 3/ CR 3/3 (WV)
331 - Residential	Station No. 3035+00 - LT	CR 3/3/ CR 3 (WV)
332 - Residential	Station No. 3020+00 - LT	CR 3/3 (WV)
333 - Residential	Station No. 3015+00 - LT	CR 3/3 (WV)
334 - Residential	Station No. 3035+00 - LT	CR 3/3 - CR 3 (WV)
335 - Residential	Station No. 3020+00 - LT	CR 3/3 (WV)
336 - Residential	Station No. 3025+00 - LT	CR 3/3 (WV)
337 - Residential	Station No. 3015+00 - RT	US 219 (WV)
338 - Residential	Station No. 3015+00 - RT	US 219 (WV)
339 - Residential	Station No. 3045+00 - LT	CR 3 (WV)
340 - Residential	Station No. 3055+00 - RT	US 219 (WV)
341 - Residential	Station No. 3100+00 - RT	CR 7 (WV)
342 - Residential	Station No. 3105+00 - RT	CR 7 (WV)
343 - Residential	Station No. 3225+00 - LT	CR 47/1/CR 47 (WV)
344 - Residential	Station No. 3250+00 - LT	CR 47 (WV)

**APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION**

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
345 - Residential	Station No. 3245+00 - LT	CR 47 (WV)
346 - Residential	Station No. 3245+00 - LT	CR 47 (WV)
347 - Residential	Station No. 3245+00 - LT	CR 47 (WV)
348 - Residential	Station No. 3240+00 - LT	CR 47 (WV)
349 - Residential	Station No. 3240+00 - LT	CR 47 (WV)
350 - Residential	Station No. 3235+00 - LT	CR 47/ CR 47/1 (WV)
351 - Residential	Station No. 3235+00 - LT	CR 47/ CR 47/1 (WV)
352 - Residential	Station No. 3230+00 - LT	CR 47/ CR 47/1 (WV)
353 - Residential	Station No. 3225+00 - RT	CR 47/1 & CR 67 (WV)
354 - Residential	Station No. 3220+00 - RT	CR 47/1 & CR 67 (WV)
355 - Residential	Station No. 3220+00 - RT	CR 47/1 & CR 67 (WV)
356 - Residential	Station No. 3220+00 - RT	CR 47/1 & CR 67 (WV)
357 - Residential	Station No. 3225+00 - LT	CR 47 & CR 47/1 (WV)
358 - Residential	Station No. 3225+00 - LT	CR 47/ CR 47/1 (WV)
359 - Residential	Station No. 3220+00 - LT	CR 47 (WV)
360 - Residential	Station No. 3220+00 - LT	CR 47 (WV)
361 - Residential	Station No. 3215+00 - LT	CR 47 (WV)
362 - Residential	Station No. 3160+00 - LT	CR 47 (WV)
363 - Residential	Station No. 3125+00 - LT	CR 3 (WV)
364 - Residential	Station No. 3125+00 - LT	CR 3 (WV)
365 - Residential	Station No. 3120+00 - LT	CR 3 (WV)
366 - Residential	Station No. 3235+00 - LT	CR 47/ CR 47/1 (WV)
367 - Residential	Station No. 3220+00 - LT	CR 67 (WV)
368 - Residential	Station No. 3220+00 - LT	CR 67 (WV)
369 - Residential	Station No. 3340+00 - RT	CR 39/ CR 41 (WV)
370 - Residential	Station No. 3335+00 - LT	CR 47/ CR 39 (WV)
371 - Residential	Station No. 3330+00 - LT	CR 47/ CR 39 (WV)
372 - Residential	Station No. 3330+00 - LT	CR 47/ CR 39 (WV)
373 - Residential	Station No. 3330+00 - LT	CR 47/ CR 39 (WV)
374 - Residential	Station No. 3325+00 - LT	CR 47 (WV)
375 - Residential	Station No. 3320+00 - LT	CR 47 (WV)
376 - Residential	Station No. 3320+00 - LT	CR 47 (WV)
377 - Institutional United Methodist Church	Station No. 3320+00 - LT	CR 47 (WV)
378 - Residential	Station No. 3315+00 - LT	CR 47 (WV)
379 - Residential	Station No. 3310+00 - LT	CR 47 (WV)
380 - Residential	Station No. 3310+00 - LT	CR 47 (WV)
381 - Residential	Station No. 3305+00 - LT	CR 47 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
382 - Residential	Station No. 3305+00 - LT	CR 47 (WV)
383 - Residential	Station No. 3305+00 - LT	CR 47 (WV)
384 - Residential	Station No. 3290+00 - LT	CR 47 (WV)
385 - Residential	Station No. 3285+00 - LT	CR 47 (WV)
386 - Residential	Station No. 3270+00 - LT	CR 47 (WV)
387 - Residential	Station No. 3270+00 - LT	CR 47 (WV)
388 - Residential	Station No. 3270+00 - LT	CR 47 (WV)
389 - Residential	Station No. 3265+00 - LT	CR 47 (WV)
390 - Residential	Station No. 3265+00 - LT	CR 47 (WV)
391 - Residential	Station No. 3260+00 - LT	CR 47 (WV)
392 - Residential	Station No. 3260+00 - LT	CR 47 (WV)
393 - Residential	Station No. 3245+00 - LT	CR 47 (WV)
394 - Residential	Station No. 3245+00 - LT	CR 47 (WV)
395 - Residential	Station No. 3335+00 - RT	CR 39 (WV)
396 - Residential	Station No. 3350+00 - RT	CR 47 (WV)
397 - Residential	Station No. 3350+00 - LT	CR 47 (WV)
398 - Residential	Station No. 3355+00 - LT	CR 47 (WV)
399 - Residential	Station No. 3355+00 - LT	CR 47 (WV)
400 - Residential	Station No. 3355+00 - LT	CR 47 (WV)
401 - Residential	Station No. 3365+00 - LT	CR 41 (WV)
402 - Residential	Station No. 3360+00 - LT	CR 41 (WV)
403 - Residential	Station No. 3350+00 - LT	CR 41 (WV)
404 - Residential	Station No. 3395+00 - LT	CR 41 (WV)
405 - Residential	Station No. 3400+00 - LT	CR 41 (WV)
406 - Residential	Station No. 3395+00 - LT	CR 41 (WV)
407 - Residential	Station No. 3395+00 - LT	CR 41 (WV)
408 - Residential	Station No. 3380+00 - LT	CR 41 (WV)
409 - Residential	Station No. 3350+00 - RT	CR 41 (WV)
410 - Residential	Station No. 3345+00 - RT	CR 41 (WV)
411 - Residential	Station No. 3355+00 - LT	CR 41 (WV)
412 - Residential	Station No. 3355+00 - LT	CR 41 (WV)
413 - Residential	Station No. 3355+00 - LT	CR 41 (WV)
414 - Residential	Station No. 3390+00 - LT	US 219 (WV)
415 - Residential	Station No. 3480+00 - LT	US 219 - Porterwood (WV)
416 - Residential	Station No. 3475+00 - LT	US 219 - Porterwood (WV)
417 - Residential	Station No. 3465+00 - LT	US 219 - Porterwood (WV)
418 - Residential	Station No. 3460+00 - LT	US 219 - Porterwood (WV)
419 - Residential	Station No. 3460+00 - LT	US 219 - Porterwood (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
420 - Residential	Station No. 3460+00 - LT	US 219 - Porterwood (WV)
421 - Residential	Station No. 3455+00 - LT	US 219 - Porterwood (WV)
422 - Residential	Station No. 3495+00 - LT	US 219 - Porterwood (WV)
423 - Residential	Station No. 3465+00 - LT	US 219 - Porterwood (WV)
424 - Residential	Station No. 3460+00 - LT	US 219 - Porterwood (WV)
425 - Residential	Station No. 3455+00 - LT	US 219 - Porterwood (WV)
426 - Residential	Station No. 3455+00 - LT	US 219 - Porterwood (WV)
427 - Residential	Station No. 3455+00 - LT	US 219 - Porterwood (WV)
428 - Residential	Station No. 3455+00 - LT	US 219 - Porterwood (WV)
429 - Institutional Riverview Chapel	Station No. 3455+00 - LT	CR 39 - Porterwood (WV)
430 - Residential	Station No. 3455+00 - LT	US 219 - Porterwood (WV)
431 - Residential	Station No. 3450+00 - LT	CR 39 - Porterwood (WV)
432 - Residential	Station No. 3450+00 - LT	US 219 - Porterwood (WV)
433 - Residential	Station No. 3450+00 - LT	US 219 - Porterwood (WV)
434 - Residential	Station No. 3450+00 - LT	US 219 - Porterwood (WV)
435 - Residential	Station No. 3450+00 - LT	US 219 - Porterwood (WV)
436 - Residential	Station No. 3450+00 - LT	US 219 - Porterwood (WV)
437 - Residential	Station No. 3450+00 - LT	US 219 - Porterwood (WV)
438 - Residential	Station No. 3450+00 - LT	CR 39 - Porterwood (WV)
439 - Residential	Station No. 3450+00 - LT	CR 39 - Porterwood (WV)
440 - Residential	Station No. 3450+00 - LT	CR 39 - Porterwood (WV)
441 - Residential	Station No. 3445+00 - LT	CR 39 - Porterwood (WV)
442 - Institutional Cemetery	Station No. 3445+00 - LT	CR 39 - Porterwood (WV)
443 - Residential	Station No. 3435+00 - LT	CR 39/ CR 39/1 (WV)
444 - Residential	Station No. 3435+00 - LT	CR 39/ CR 39/1 (WV)
445 - Residential	Station No. 3430+00 - LT	CR 39 (WV)
446 - Residential	Station No. 3415+00 - LT	CR 39 (WV)
447 - Residential	Station No. 3415+00 - LT	CR 39 (WV)
448 - Residential	Station No. 3415+00 - LT	CR 39 (WV)
449 - Residential	Station No. 3410+00 - LT	CR 39 (WV)
450 - Residential	Station No. 3440+00 - LT	CR 39 - Porterwood (WV)
451 - Residential	Station No. 3440+00 - LT	CR 39 - Porterwood (WV)
452 - Residential	Station No. 3455+00 - LT	US 219 - Porterwood (WV)
453 - Residential	Station No. 3590+00 - RT	CR 219/7/ CR 219/12 (WV)
454 - Residential	Station No. 3585+00 - RT	CR 219/7/ CR 219/12 (WV)
455 - Residential	Station No. 3585+00 - RT	CR 219/7/ CR 219/12 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
456 - Institutional Monongahela National Forest Watershed Laboratory	Station No. 3595+00 - LT	Private Road 50 (WV)
457 - Residential	Station No. 3595+00 - LT	CR 219/ CR 219/14 (WV)
458 - Residential	Station No. 3600+00 - LT	CR 219/ CR 219/14 (WV)
459 - Residential	Station No. 3600+00 - LT	CR 219/ CR 219/14 (WV)
460 - Residential	Station No. 3600+00 - LT	CR 219/ CR 219/14 (WV)
461 - Residential	Station No. 3600+00 - LT	CR 219/ CR 219/14 (WV)
462 - Residential	Station No. 3595+00 - RT	CR 219/7 (WV)
463 - Residential	Station No. 3595+00 - RT	CR 219/7 (WV)
464 - Residential	Station No. 3595+00 - RT	CR 219/7 (WV)
465 - Residential	Station No. 3585+00 - RT	CR 219/7/ CR 219/12 (WV)
466 - Residential	Station No. 3585+00 - RT	CR 219/12 (WV)
467 - Residential	Station No. 3585+00 - RT	CR 219/12/ CR 219/7 (WV)
468 - Residential	Station No. 3585+00 - RT	CR 219/12/ CR 219/7 (WV)
469 - Residential	Station No. 3585+00 - RT	CR 219/12/ CR 219/7 (WV)
470 - Residential	Station No. 3585+00 - RT	CR 219/12 (WV)
471 - Residential	Station No. 3585+00 - RT	CR 219/12 (WV)
472 - Residential	Station No. 3585+00 - RT	CR 219/12 (WV)
473 - Residential	Station No. 3580+00 - RT	CR 219/12 (WV)
474 - Residential	Station No. 3580+00 - RT	CR 219/7 (WV)
475 - Residential	Station No. 3575+00 - RT	CR 219/7 (WV)
476 - Residential	Station No. 3575+00 - RT	CR 219/7 (WV)
477 - Residential	Station No. 3575+00 - RT	CR 219/7 (WV)
478 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
479 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
480 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
481 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
482 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
483 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
484 - Residential	Station No. 3560+00 - LT	CR 219/7 - Parsons (WV)
485 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
486 - Residential	Station No. 3560+00 - LT	CR 219/7 - Parsons (WV)
487 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
488 - Residential	Station No. 3560+00 - LT	CR 219/7 - Parsons (WV)
489 - Residential	Station No. 3560+00 - LT	CR 219/7 - Parsons (WV)
490 - Residential	Station No. 3560+00 - LT	CR 219/7 - Parsons (WV)
491 - Residential	Station No. 3555+00 - LT	Parsons (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
492 - Residential	Station No. 3555+00 - LT	Parsons (WV)
493 - Residential	Station No. 3555+00 - LT	Parsons (WV)
494 - Residential	Station No. 3555+00 - LT	Parsons (WV)
495 - Residential	Station No. 3555+00 - LT	Parsons (WV)
496 - Residential	Station No. 3550+00 - LT	CR 41 - Parsons (WV)
497 - Residential	Station No. 3550+00 - LT	CR 41 - Parsons (WV)
498 - Residential	Station No. 3545+00 - LT	CR 41 - Parsons (WV)
499 - Residential	Station No. 3545+00 - LT	CR 41 - Parsons (WV)
500 - Residential	Station No. 3545+00 - LT	CR 41 - Parsons (WV)
501 - Residential	Station No. 3550+00 - LT	Parsons (WV)
502 - Residential	Station No. 3550+00 - LT	Parsons (WV)
503 - Residential	Station No. 3550+00 - LT	Parsons (WV)
504 - Residential	Station No. 3545+00 - LT	Parsons (WV)
505 - Residential	Station No. 3545+00 - LT	Parsons (WV)
506 - Residential	Station No. 3545+00 - LT	Parsons (WV)
507 - Residential	Station No. 3550+00 - LT	Parsons (WV)
508 - Residential	Station No. 3550+00 - LT	Parsons (WV)
509 - Residential	Station No. 3550+00 - LT	Parsons (WV)
510 - Residential	Station No. 3550+00 - LT	Parsons (WV)
511 - Residential	Station No. 3550+00 - LT	Parsons (WV)
512 - Residential	Station No. 3545+00 - LT	Parsons (WV)
513 - Residential	Station No. 3545+00 - LT	Parsons (WV)
514 - Residential	Station No. 3545+00 - LT	Parsons (WV)
515 - Residential	Station No. 3545+00 - LT	Parsons (WV)
516 - Residential	Station No. 3550+00 - LT	Parsons (WV)
517 - Residential	Station No. 3550+00 - LT	Parsons (WV)
518 - Residential	Station No. 3550+00 - LT	Parsons (WV)
519 - Residential	Station No. 3550+00 - LT	Parsons (WV)
520 - Residential	Station No. 3555+00 - LT	Parsons (WV)
521 - Residential	Station No. 3555+00 - LT	Parsons (WV)
522 - Residential	Station No. 3555+00 - LT	Parsons (WV)
523 - Residential	Station No. 3555+00 - LT	Parsons (WV)
524 - Residential	Station No. 3555+00 - LT	Parsons (WV)
525 - Residential	Station No. 3555+00 - LT	Parsons (WV)
526 - Residential	Station No. 3555+00 - LT	Parsons (WV)
527 - Residential	Station No. 3555+00 - LT	Parsons (WV)
528 - Residential	Station No. 3555+00 - LT	Parsons (WV)
529 - Residential	Station No. 3555+00 - LT	Parsons (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
530 - Residential	Station No. 3555+00 - LT	Parsons (WV)
531 - Residential	Station No. 3555+00 - LT	Parsons (WV)
532 - Residential	Station No. 3555+00 - LT	Parsons (WV)
533 - Residential	Station No. 3555+00 - LT	Parsons (WV)
534 - Residential	Station No. 3555+00 - LT	Parsons (WV)
535 - Residential	Station No. 3555+00 - LT	Parsons (WV)
536 - Residential	Station No. 3555+00 - LT	Parsons (WV)
537 - Residential	Station No. 3560+00 - LT	Parsons (WV)
538 - Residential	Station No. 3560+00 - LT	Parsons (WV)
539 - Residential	Station No. 3535+00 - LT	CR 219/9 (WV)
540 - Residential	Station No. 3530+00 - LT	CR 219/9 (WV)
541 - Residential	Station No. 3530+00 - LT	CR 219/9 (WV)
542 - Residential	Station No. 3530+00 - LT	CR 219/9 (WV)
543 - Residential	Station No. 3530+00 - LT	CR 219/9 (WV)
544 - Residential	Station No. 3530+00 - LT	CR 219/9 (WV)
545 - Residential	Station No. 3525+00 - LT	CR 219/9 (WV)
546 - Residential	Station No. 3525+00 - LT	CR 219/9 (WV)
547 - Residential	Station No. 3520+00 - LT	CR 41 (WV)
548 - Residential	Station No. 3515+00 - LT	CR 41 (WV)
549 - Residential	Station No. 3580+00 - RT	CR 219/12 (WV)
550 - Residential	Station No. 3525+00 - LT	CR 41 (WV)
551 - Residential	Station No. 3525+00 - LT	CR 219/9 - Parsons (WV)
552 - Residential	Station No. 3530+00 - LT	CR 219/9 - Parsons (WV)
553 - Residential	Station No. 3530+00 - LT	CR 219/9 - Parsons (WV)
554 - Residential	Station No. 3530+00 - LT	CR 219/9 - Parsons (WV)
555 - Residential	Station No. 3540+00 - LT	CR 219/9 - Parsons (WV)
556 - Residential	Station No. 3540+00 - LT	CR 219/9 - Parsons (WV)
557 - Residential	Station No. 3540+00 - LT	CR 219/9 - Parsons (WV)
558 - Residential	Station No. 3545+00 - LT	CR 219/9 - Parsons (WV)
559 - Residential	Station No. 3540+00 - LT	CR 41 - Parsons (WV)
560 - Residential	Station No. 3555+00 - LT	CR 219/7 - Parsons (WV)
561 - Residential	Station No. 3560+00 - LT	CR 219/7 - Parsons (WV)
562 - Residential	Station No. 3560+00 - LT	CR 219/7 - Parsons (WV)
563 - Residential	Station No. 3555+00 - LT	CR 219/7 - Parsons (WV)
564 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
565 - Residential	Station No. 3565+00 - LT	CR 219/7 - Parsons (WV)
566 - Residential	Station No. 3560+00 - LT	CR 219/7 - Parsons (WV)
567 - Residential	Station No. 3575+00 - LT	Private Road 50 - Parsons (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
568 - Residential	Station No. 3580+00 - LT	Private Road 50 - Parsons (WV)
569 - Residential	Station No. 3585+00 - LT	CR 219/7 - Parsons (WV)
570 - Residential	Station No. 3590+00 - RT	CR 219/7 - Parsons (WV)
571 - Residential	Station No. 3590+00 - LT	CR 219/7 - Parsons (WV)
572 - Residential	Station No. 3580+00 - RT	CR 219/12 - Parsons (WV)
573 - Residential	Station No. 3605+00 - LT	CR 219/7 - Parsons (WV)
574 - Residential	Station No. 3610+00 - LT	CR 219/17 - Parsons (WV)
575 - Residential	Station No. 3610+00 - LT	CR 219/17 - Parsons (WV)
576 - Residential	Station No. 3610+00 - LT	CR 219/17 - Parsons (WV)
577 - Residential	Station No. 3610+00 - LT	CR 219/17 - Parsons (WV)
578 - Residential	Station No. 3605+00 - LT	CR 219/14 - Parsons (WV)
579 - Residential	Station No. 3605+00 - LT	CR 219/14 - Parsons (WV)
580 - Residential	Station No. 3605+00 - LT	CR 219/14 - Parsons (WV)
581 - Residential	Station No. 3605+00 - LT	CR 219/14 - Parsons (WV)
582 - Residential	Station No. 3605+00 - LT	CR 219/14 - Parsons (WV)
583 - Residential	Station No. 3605+00 - LT	CR 219/14 - Parsons (WV)
585 - Residential	Station No. 3610+00 - LT	US 219/ CR 219/7 (WV)
586 - Residential	Station No. 3620+00 - RT	Hambleton (WV)
587 - Residential	Station No. 3620+00 - RT	Hambleton (WV)
588 - Residential	Station No. 3625+00 - RT	WV 72 - Hambleton (WV)
589 - Residential	Station No. 3630+00 - LT	WV 72/ CR 219/4 (WV)
590 - Institutional Cemetery	Station No. 3640+00 - RT	CR 219/4 (WV)
591 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
592 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
593 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
594 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
595 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
596 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
597 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
598 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
599 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
600 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
601 - Institutional Methodist Church	Station No. 3640+00 - RT	CR 72/9 - Hambleton (WV)
602 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
603 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
604 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
605 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
606 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
607 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
608 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
609 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
610 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
611 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
612 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
613 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
614 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
615 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
616 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
617 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
618 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
619 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
620 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
621 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
622 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
623 - Residential	Station No. 3640+00 - LT	CR 219/4 (WV)
624 - Residential	Station No. 3645+00 - LT	CR 219/4 (WV)
625 - Residential	Station No. 3645+00 - LT	CR 219/4 (WV)
626 - Residential	Station No. 3645+00 - LT	CR 219/4 (WV)
627 - Residential	Station No. 3650+00 - LT	CR 219/4 (WV)
628 - Residential	Station No. 3650+00 - LT	CR 219/4 (WV)
629 - Residential	Station No. 3650+00 - LT	CR 219/4 (WV)
630 - Residential	Station No. 3655+00 - LT	CR 219/4 (WV)
631 - Residential	Station No. 3660+00 - LT	CR 219/4 (WV)
632 - Residential	Station No. 3665+00 - LT	WV 72 - Hambleton (WV)
633 - Residential	Station No. 3670+00 - LT	WV 72 - Hambleton (WV)
634 - Residential	Station No. 3670+00 - LT	WV 72 - Hambleton (WV)
635 - Residential	Station No. 3675+00 - LT	WV 72 - Hambleton (WV)
636 - Residential	Station No. 3675+00 - LT	WV 72 - Hambleton (WV)
637 - Residential	Station No. 3680+00 - LT	WV 72 - Hambleton (WV)
638 - Residential	Station No. 3685+00 - LT	WV 72 - Hambleton (WV)
639 - Residential	Station No. 3690+00 - LT	WV 72 - Hambleton (WV)
640 - Residential	Station No. 3695+00 - LT	WV 72 - Hambleton (WV)
641 - Residential	Station No. 3695+00 - LT	WV 72 - Hambleton (WV)
642 - Residential	Station No. 3695+00 - LT	WV 72 - Hambleton (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
643 - Residential	Station No. 3705+00 - RT	CR 219/4 (WV)
644 - Residential	Station No. 3710+00 - RT	CR 219/4 (WV)
645 - Residential	Station No. 3705+00 - LT	US 219 (WV)
646 - Residential	Station No. 3710+00 - LT	US 219 (WV)
647 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
648 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
649 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
650 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
651 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
652 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
653 - Residential	Station No. 3640+00 - RT	CR 72/9 - Hambleton (WV)
654 - Residential	Station No. 3655+00 - LT	CR 219/4 (WV)
655 - Residential	Station No. 3615+00 - LT	CR 219/7/ US 219 (WV)
656 - Residential	Station No. 3615+00 - LT	CR 219/7/ US 219 (WV)
657 - Residential	Station No. 3615+00 - LT	CR 219/7/ US 219 (WV)
658 - Residential	Station No. 3615+00 - LT	CR 219/7/ US 219 (WV)
659 - Residential	Station No. 3615+00 - LT	CR 219/7/ US 219 (WV)
660 - Residential	Station No. 3615+00 - LT	CR 219/7/ US 219 (WV)
661 - Residential	Station No. 3620+00 - LT	CR 219/7/ US 219 (WV)
662 - Residential	Station No. 3620+00 - LT	CR 219/7/ US 219 (WV)
663 - Residential	Station No. 3620+00 - LT	CR 219/7/ US 219 (WV)
664 - Residential	Station No. 3620+00 - LT	CR 219/7/ US 219 (WV)
665 - Residential	Station No. 3620+00 - LT	CR 219/7/ US 219 (WV)
666 - Residential	Station No. 3620+00 - LT	CR 219/7/ US 219 (WV)
667 - Residential	Station No. 3620+00 - LT	CR 219/7/ US 219 (WV)
668 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
669 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
670 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
671 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
672 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
673 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
674 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
675 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
676 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
677 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
678 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
679 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
680 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
681 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
682 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
683 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
684 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
685 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
686 - Residential	Station No. 3635+00 - RT	WV 72 - Hambleton (WV)
687 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
688 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
689 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
690 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
691 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
692 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
693 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
694 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
695 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
696 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
697 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
698 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
699 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
700 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
701 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
702 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
703 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
704 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
705 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
706 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
707 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
708 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
709 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
710 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
711 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
712 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
713 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
714 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
715 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
716 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
717 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
718 - Residential	Station No. 3650+00 - RT	WV 72 - Hambleton (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
719 - Residential	Station No. 3650+00 - RT	WV 72 - Hambleton (WV)
720 - Residential	Station No. 3650+00 - RT	WV 72 - Hambleton (WV)
721 - Residential	Station No. 3650+00 - RT	WV 72 - Hambleton (WV)
722 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
723 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
724 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
725 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
726 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
727 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
728 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
729 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
730 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
731 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
732 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
733 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
734 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
735 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
736 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
737 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
738 - Residential	Station No. 3645+00 - RT	WV 72 - Hambleton (WV)
739 - Residential	Station No. 3640+00 - RT	WV 72 - Hambleton (WV)
740 - Residential	Station No. 3630+00 - RT	WV 72 - Hambleton (WV)
741 - Residential	Station No. 3715+00 - LT	US 219 (WV)
742 - Residential	Station No. 3720+00 - LT	US 219 (WV)
743 - Residential	Station No. 3725+00 - LT	US 219 (WV)
744 - Residential	Station No. 3715+00 - RT	CR 219/4 (WV)
745 - Residential	Station No. 3715+00 - RT	CR 219/4 (WV)
746 - Residential	Station No. 3750+00 - RT	CR 219/4 (WV)
747 - Residential	Station No. 3750+00 - RT	CR 219/4 (WV)
748 - Residential	Station No. 3755+00 - RT	CR 219/4 (WV)
749 - Residential	Station No. 3755+00 - RT	CR 219/4 (WV)
750 - Residential	Station No. 3765+00 - RT	CR 219/4 (WV)
751 - Residential	Station No. 3770+00 - LT	CR 219/4 (WV)
752 - Residential	Station No. 3770+00 - LT	CR 219/4 - US 219 (WV)
753 - Residential	Station No. 3760+00 - LT	US 219 (WV)
754 - Residential	Station No. 3770+00 - LT	US 219 - CR 31 (WV)
755 - Residential	Station No. 3770+00 - LT	US 219 - CR 31 (WV)
756 - Residential	Station No. 3770+00 - LT	US 219 - CR 31 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
757 - Residential	Station No. 3775+00 - LT	CR 31 - US 219 (WV)
758 - Residential	Station No. 3770+00 - LT	CR 31 - US 219 (WV)
759 - Residential	Station No. 3780+00 - LT	US 219 (WV)
760 - Residential	Station No. 3785+00 - LT	US 219 (WV)
761 - Residential	Station No. 3715+00 - RT	CR 219/4 (WV)
762 - Residential	Station No. 3760+00 - RT	CR 219/4 (WV)
763 - Residential	Station No. 3720+00 - LT	US 219 (WV)
764 - Residential	Station No. 3720+00 - LT	US 219 (WV)
765 - Residential	Station No. 3720+00 - RT	CR 219/4 (WV)
766 - Residential	Station No. 3720+00 - RT	CR 219/4 (WV)
767 - Residential	Station No. 3725+00 - RT	CR 219/4 (WV)
768 - Residential	Station No. 3750+00 - LT	US 219 (WV)
769 - Residential	Station No. 3765+00 - LT	US 219 - CR 31 (WV)
770 - Residential	Station No. 3770+00 - LT	US 219 - CR 31 (WV)
771 - Residential	Station No. 3780+00 - LT	US 219 - CR 31 (WV)
772 - Residential	Station No. 3790+00 - LT	US 219 (WV)
773 - Residential	Station No. 3790+00 - LT	US 219 (WV)
774 - Residential	Station No. 3795+00 - LT	US 219 (WV)
775 - Residential	Station No. 3805+00 - LT	US 219 (WV)
776 - Residential	Station No. 3890+00 - LT	US 219/ Private Road 18 (WV)
777 - Residential	Station No. 3895+00 - LT	US 219/ Private Road 18 (WV)
778 - Residential	Station No. 3895+00 - LT	US 219/ Private Road 18 (WV)
779 - Residential	Station No. 4095+00 - RT	CR 27 - Coketon (WV)
780 - Residential	Station No. 4090+00 - RT	CR 27 - Coketon (WV)
781 - Residential	Station No. 4090+00 - LT	CR 27 - Coketon (WV)
782 - Residential	Station No. 4090+00 - LT	CR 27 - Coketon (WV)
783 - Residential	Station No. 4090+00 - LT	CR 27 - Coketon (WV)
784 - Residential	Station No. 4090+00 - LT	CR 27 - Coketon (WV)
785 - Residential	Station No. 4090+00 - LT	CR 27 - Coketon (WV)
786 - Residential	Station No. 4090 +00 - LT	CR 27 - Coketon (WV)
787 - Residential	Station No. 4095+00 - LT	CR 27 - Coketon (WV)
788 - Residential	Station No. 4090+00 - LT	CR 27 - Coketon (WV)
789 - Residential	Station No. 4095+00 - LT	Thomas (WV)
790 - Residential	Station No. 4100+00 - LT	Thomas (WV)
791 - Residential	Station No. 4105+00 - LT	Thomas (WV)
792 - Residential	Station No. 4115+00 - LT	Thomas (WV)
793 - Residential	Station No. 4115+00 - LT	Thomas (WV)
794 - Residential	Station No. 4115+00 - LT	Thomas (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
795 - Residential	Station No. 4115+00 - LT	Thomas (WV)
796 - Residential	Station No. 4115+00 - LT	Thomas (WV)
797 - Residential	Station No. 4115+00 - LT	Thomas (WV)
798 - Residential	Station No. 4120+00 - LT	Thomas (WV)
799 - Residential	Station No. 4120+00 - LT	Thomas (WV)
800 - Recreational Ball Field	Station No. 4195+00 - RT	Davis (WV)
801 - Residential	Station No. 4185+00 - RT	Davis (WV)
802 - Residential	Station No. 4185+00 - RT	Davis (WV)
803 - Residential	Station No. 4185+00 - RT	Davis (WV)
804 - Residential	Station No. 4185+00 - RT	Davis (WV)
805 - Residential	Station No. 4185+00 - RT	Davis (WV)
806 - Residential	Station No. 4125+00 - LT	Thomas (WV)
807 - Residential	Station No. 4125+00 - LT	Thomas (WV)
808 - Residential	Station No. 4125+00 - LT	Thomas (WV)
809 - Residential	Station No. 4205+00 - RT	Davis (WV)
810 - Residential	Station No. 4205+00 - RT	Davis (WV)
811 - Residential	Station No. 4205+00 - RT	Davis (WV)
812 - Residential	Station No. 4205+00 - RT	Davis (WV)
813 - Residential	Station No. 4205+00 - RT	Davis (WV)
814 - Residential	Station No. 4205+00 - RT	Davis (WV)
815 - Residential	Station No. 4205+00 - RT	Davis (WV)
816 - Residential	Station No. 4205+00 - RT	Davis (WV)
817 - Residential	Station No. 4205+00 - RT	Davis (WV)
818 - Residential	Station No. 4205+00 - RT	Davis (WV)
819 - Residential	Station No. 4205+00 - RT	Davis (WV)
820 - Residential	Station No. 4205+00 - RT	Davis (WV)
821 - Residential	Station No. 4205+00 - RT	Davis (WV)
822 - Residential	Station No. 4205+00 - RT	Davis (WV)
823 - Residential	Station No. 4205+00 - RT	Davis (WV)
824 - Residential	Station No. 4205+00 - RT	Davis (WV)
825 - Residential	Station No. 4205+00 - RT	Davis (WV)
826 - Residential	Station No. 4205+00 - RT	Davis (WV)
827 - Residential	Station No. 4215+00 - RT	Davis (WV)
828 - Residential	Station No. 4215+00 - RT	Davis (WV)
829 - Residential	Station No. 4215+00 - RT	Davis (WV)
830 - Residential	Station No. 4215+00 - RT	Davis (WV)
831 - Residential	Station No. 4215+00 - RT	Davis (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
832 - Residential	Station No. 4220+00 - RT	Davis (WV)
833 - Residential	Station No. 4220+00 - RT	Davis (WV)
834 - Residential	Station No. 4220+00 - RT	Davis (WV)
835 - Residential	Station No. 4220+00 - RT	Davis (WV)
836 - Residential	Station No. 4220+00 - RT	Davis (WV)
837 - Residential	Station No. 4220+00 - RT	Davis (WV)
838 - Residential	Station No. 4225+00 - RT	Davis (WV)
839 - Residential	Station No. 4225+00 - RT	Davis (WV)
840 - Institutional St. John's Evangelist Church	Station No. 4220+00 - RT	Davis (WV)
841 - Recreational Mountaineer Park & Recreation Center	Station No. 4215+00 - RT	Davis (WV)
842 - Residential	Station No. 4210+00 - RT	Davis (WV)
843 - Residential	Station No. 4210+00 - RT	Davis (WV)
844 - Residential	Station No. 4210+00 - RT	Davis (WV)
845 - Residential	Station No. 4210+00 - RT	Davis (WV)
846 - Residential	Station No. 4210+00 - RT	Davis (WV)
847 - Residential	Station No. 4210+00 - RT	Davis (WV)
848 - Residential	Station No. 4210+00 - RT	Davis (WV)
849 - Residential	Station No. 4210+00 - RT	Davis (WV)
850 - Residential	Station No. 4210+00 - RT	Davis (WV)
851 - Residential	Station No. 4210+00 - RT	Davis (WV)
852 - Residential	Station No. 4215+00 - RT	Davis (WV)
853 - Residential	Station No. 4215+00 - RT	Davis (WV)
854 - Residential	Station No. 4215+00 - RT	Davis (WV)
855 - Residential	Station No. 4215+00 - RT	Davis (WV)
856 - Residential	Station No. 4210+00 - RT	Davis (WV)
857 - Residential	Station No. 4210+00 - RT	Davis (WV)
858 - Residential	Station No. 4210+00 - RT	Davis (WV)
859 - Residential	Station No. 4210+00 - RT	Davis (WV)
860 - Residential	Station No. 4210+00 - RT	Davis (WV)
861 - Residential	Station No. 4210+00 - RT	Davis (WV)
862 - Residential	Station No. 4210+00 - RT	Davis (WV)
863 - Residential	Station No. 4210+00 - RT	Davis (WV)
864 - Residential	Station No. 4215+00 - RT	Davis (WV)
865 - Residential	Station No. 4215+00 - RT	Davis (WV)
866 - Residential	Station No. 4215+00 - RT	Davis (WV)
867 - Residential	Station No. 4215+00 - RT	Davis (WV)

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RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
868 - Residential	Station No. 4215+00 - RT	Davis (WV)
869 - Residential	Station No. 4220+00 - RT	Davis (WV)
870 - Residential	Station No. 4220+00 - RT	Davis (WV)
871 - Residential	Station No. 4220+00 - RT	Davis (WV)
872 - Residential	Station No. 4220+00 - RT	Davis (WV)
873 - Residential	Station No. 4220+00 - RT	Davis (WV)
874 - Residential	Station No. 4220+00 - RT	Davis (WV)
875 - Residential	Station No. 4220+00 - RT	Davis (WV)
876 - Residential	Station No. 4220+00 - RT	Davis (WV)
877 - Residential	Station No. 4225+00 - RT	Davis (WV)
878 - Residential	Station No. 4225+00 - RT	Davis (WV)
879 - Residential	Station No. 4225+00 - RT	Davis (WV)
880 - Residential	Station No. 4225+00 - RT	Davis (WV)
881 - Residential	Station No. 4225+00 - RT	Davis (WV)
882 - Residential	Station No. 4210+00 - RT	Davis (WV)
883 - Residential	Station No. 4210+00 - RT	Davis (WV)
884 - Residential	Station No. 4210+00 - RT	Davis (WV)
885 - Residential	Station No. 4210+00 - RT	Davis (WV)
886 - Residential	Station No. 4210+00 - RT	Davis (WV)
887 - Residential	Station No. 4210+00 - RT	Davis (WV)
888 - Institutional Church	Station No. 4215+00 - RT	Davis (WV)
889 - Residential	Station No. 4215+00 - RT	Davis (WV)
890 - Residential	Station No. 4215+00 - RT	Davis (WV)
891 - Residential	Station No. 4215+00 - RT	Davis (WV)
892 - Residential	Station No. 4215+00 - RT	Davis (WV)
893 - Residential	Station No. 4215+00 - RT	Davis (WV)
894 - Residential	Station No. 4215+00 - RT	Davis (WV)
895 - Residential	Station No. 4215+00 - RT	Davis (WV)
896 - Residential	Station No. 4215+00 - RT	Davis (WV)
897 - Residential	Station No. 4215+00 - RT	Davis (WV)
898 - Residential	Station No. 4215+00 - RT	Davis (WV)
899 - Residential	Station No. 4215+00 - RT	Davis (WV)
900 - Residential	Station No. 4215+00 - RT	Davis (WV)
901 - Residential	Station No. 4220+00 - RT	Davis (WV)
902 - Residential	Station No. 4220+00 - RT	Davis (WV)
903 - Residential	Station No. 4220+00 - RT	Davis (WV)
904 - Residential	Station No. 4220+00 - RT	Davis (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
905 - Residential	Station No. 4220+00 - RT	Davis (WV)
906 - Residential	Station No. 4225+00 - RT	Davis (WV)
907 - Residential	Station No. 4225+00 - RT	Davis (WV)
908 - Residential	Station No. 4225+00 - RT	Davis (WV)
909 - Residential	Station No. 4225+00 - RT	Davis (WV)
910 - Residential	Station No. 4225+00 - RT	Davis (WV)
911 - Residential	Station No. 4225+00 - RT	Davis (WV)
912 - Residential	Station No. 4225+00 - RT	Davis (WV)
913 - Residential	Station No. 4225+00 - RT	Davis (WV)
914 - Residential	Station No. 4225+00 - RT	Davis (WV)
915 - Residential	Station No. 4225+00 - RT	Davis (WV)
916 - Residential	Station No. 4230+00 - RT	Davis (WV)
917 - Residential	Station No. 4230+00 - RT	Davis (WV)
918 - Residential	Station No. 4230+00 - RT	Davis (WV)
919 - Residential	Station No. 4235+00 - RT	Davis (WV)
920 - Residential	Station No. 4210+00 - RT	Davis (WV)
921 - Residential	Station No. 4210+00 - RT	Davis (WV)
922 - Residential	Station No. 4210+00 - RT	Davis (WV)
923 - Residential	Station No. 4210+00 - RT	Davis (WV)
924 - Residential	Station No. 4210+00 - RT	Davis (WV)
925 - Residential	Station No. 4210+00 - RT	Davis (WV)
926 - Residential	Station No. 4215+00 - RT	Davis (WV)
927 - Residential	Station No. 4215+00 - RT	Davis (WV)
928 - Residential	Station No. 4215+00 - RT	Davis (WV)
929 - Residential	Station No. 4215+00 - RT	Davis (WV)
930 - Residential	Station No. 4215+00 - RT	Davis (WV)
931 - Residential	Station No. 4215+00 - RT	Davis (WV)
932 - Residential	Station No. 4220+00 - RT	Davis (WV)
933 - Residential	Station No. 4220+00 - RT	Davis (WV)
934 - Residential	Station No. 4220+00 - RT	Davis (WV)
935 - Residential	Station No. 4220+00 - RT	Davis (WV)
936 - Residential	Station No. 4220+00 - RT	Davis (WV)
937 - Residential	Station No. 4220+00 - RT	Davis (WV)
938 - Residential	Station No. 4220+00 - RT	Davis (WV)
939 - Residential	Station No. 4220+00 - RT	Davis (WV)
940 - Residential	Station No. 4225+00 - RT	Davis (WV)
941 - Residential	Station No. 4225+00 - RT	Davis (WV)
942 - Residential	Station No. 4225+00 - RT	Davis (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
943 - Residential	Station No. 4225+00 - RT	Davis (WV)
944 - Residential	Station No. 4225+00 - RT	Davis (WV)
945 - Residential	Station No. 4225+00 - RT	Davis (WV)
946 - Residential	Station No. 4225+00 - RT	Davis (WV)
947 - Residential	Station No. 4230+00 - RT	Davis (WV)
948 - Residential	Station No. 4230+00 - RT	Davis (WV)
949 - Residential	Station No. 4230+00 - RT	Davis (WV)
950 - Residential	Station No. 4230+00 - RT	Davis (WV)
951 - Residential	Station No. 4230+00 - RT	Davis (WV)
952 - Residential	Station No. 4230+00 - RT	Davis (WV)
953 - Residential	Station No. 4230+00 - RT	Davis (WV)
954 - Residential	Station No. 4230+00 - RT	Davis (WV)
955 - Residential	Station No. 4230+00 - RT	Davis (WV)
956 - Residential	Station No. 4225+00 - RT	Davis (WV)
957 - Residential	Station No. 4225+00 - RT	Davis (WV)
958 - Residential	Station No. 4225+00 - RT	Davis (WV)
959 - Residential	Station No. 4225+00 - RT	Davis (WV)
960 - Residential	Station No. 4225+00 - RT	Davis (WV)
961 - Residential	Station No. 4225+00 - RT	Davis (WV)
962 - Residential	Station No. 4225+00 - RT	Davis (WV)
963 - Residential	Station No. 4225+00 - RT	Davis (WV)
964 - Residential	Station No. 4225+00 - RT	Davis (WV)
965 - Residential	Station No. 4220+00 - RT	Davis (WV)
966 - Residential	Station No. 4220+00 - RT	Davis (WV)
967 - Residential	Station No. 4220+00 - RT	Davis (WV)
968 - Residential	Station No. 4220+00 - RT	Davis (WV)
969 - Residential	Station No. 4220+00 - RT	Davis (WV)
970 - Residential	Station No. 4220+00 - RT	Davis (WV)
971 - Residential	Station No. 4220+00 - RT	Davis (WV)
972 - Residential	Station No. 4220+00 - RT	Davis (WV)
973 - Residential	Station No. 4220+00 - RT	Davis (WV)
974 - Residential	Station No. 4220+00 - RT	Davis (WV)
975 - Residential	Station No. 4220+00 - RT	Davis (WV)
976 - Residential	Station No. 4225+00 - RT	Davis (WV)
977 - Residential	Station No. 4225+00 - RT	Davis (WV)
978 - Residential	Station No. 4220+00 - RT	Davis (WV)
979 - Residential	Station No. 4225+00 - RT	Davis (WV)
980 - Residential	Station No. 4225+00 - RT	Davis (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
981 - Residential	Station No. 4225+00 - RT	Davis (WV)
982 - Residential	Station No. 4225+00 - RT	Davis (WV)
983 - Residential	Station No. 4225+00 - RT	Davis (WV)
984 - Residential	Station No. 4225+00 - RT	Davis (WV)
985 - Residential	Station No. 4225+00 - RT	Davis (WV)
986 - Residential	Station No. 4965+00 - LT	WV 93 (WV)
987 - Residential	Station No. 4985+00 - LT	WV 93 - Bismarck (WV)
988 - Residential	Station No. 4990+00 - LT	WV 93 - Bismarck (WV)
989 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
990 - Residential	Station No. 4955+00 - RT	WV 93 - Mt. Storm Lake (WV)
991 - Residential	Station No. 4980+00 - RT	WV 93 - Mt. Storm Lake (WV)
992 - Residential	Station No. 4980+00 - RT	WV 93 - Mt. Storm Lake (WV)
993 - Residential	Station No. 4980+00 - RT	WV 93 - Mt. Storm Lake (WV)
994 - Residential	Station No. 4985+00 - RT	WV 93 - Mt. Storm Lake (WV)
995 - Residential	Station No. 4985+00 - RT	WV 93 - Mt. Storm Lake (WV)
996 - Residential	Station No. 4980+00 - RT	WV 93 - Mt. Storm Lake (WV)
997 - Residential	Station No. 4980+00 - RT	WV 93 - Mt. Storm Lake (WV)
998 - Residential	Station No. 4980+00 - RT	WV 93 - Mt. Storm Lake (WV)
999 - Residential	Station No. 4980+00 - RT	WV 93 - Mt. Storm Lake (WV)
1000 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1001 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1002 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1003 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1004 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1005 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1006 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1007 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1008 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1009 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1010 - Residential	Station No. 4975+00 - RT	WV 93 - Mt. Storm Lake (WV)
1011 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1012 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1013 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1014 - Residential	Station No. 4965+00 - RT	WV 93 - Mt. Storm Lake (WV)
1015 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1016 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1017 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1018 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1019 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1020 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1021 - Residential	Station No. 4970+00 - RT	WV 93 - Mt. Storm Lake (WV)
1022 - Residential	Station No. 4965+00 - RT	WV 93 - Mt. Storm Lake (WV)
1023 - Residential	Station No. 4965+00 - RT	WV 93 - Mt. Storm Lake (WV)
1024 - Residential	Station No. 4965+00 - RT	WV 93 - Mt. Storm Lake (WV)
1025 - Residential	Station No. 4965+00 - RT	WV 93 - Mt. Storm Lake (WV)
1026 - Residential	Station No. 4965+00 - RT	WV 93 - Mt. Storm Lake (WV)
1027 - Residential	Station No. 5080+00 - LT	WV 42 / WV 93 (WV)
1028 - Residential	Station No. 5085+00 - RT	WV 42 / WV 93 (WV)
1029 - Residential	Station No. 5055+00 - LT	WV 93 / CR 42/1 (WV)
1030 - Residential	Station No. 5055+00 - RT	CR 42/1 / WV 93 (WV)
1031 - Residential	Station No. 5050+00 - RT	CR 42/1 (WV)
1032 - Residential	Station No. 5050+00 - LT	CR 42/1 / WV 93 (WV)
1033 - Residential	Station No. 5045+00 - LT	CR 42/1 / WV 93 (WV)
1034 - Residential	Station No. 5040+00 - LT	WV 93 / CR 42/1 (WV)
1035 - Institutional Old Allegheny Church of the Brethren	Station No. 5035+00 - RT	CR 42/1 (WV)
1036 - Residential	Station No. 5015+00 - LT	CR 50/3 - Bismarck (WV)
1037 - Residential	Station No. 5015+00 - LT	CR 50/3 - Bismarck (WV)
1038 - Residential	Station No. 5015+00 - LT	CR 50/3 - Bismarck (WV)
1039 - Residential	Station No. 5015+00 - LT	CR 50/3 - Bismarck (WV)
1040 - Residential	Station No. 5015+00 - LT	CR 50/3 - Bismarck (WV)
1041 - Residential	Station No. 5020+00 - LT	WV 93 - Bismarck (WV)
1042 - Residential	Station No. 5015+00 - LT	CR 50/3 - Bismarck (WV)
1043 - Residential	Station No. 5010+00 - LT	CR 50/3 - Bismarck (WV)
1044 - Residential	Station No. 5015+00 - LT	WV 93 - Bismarck (WV)
1045 - Residential	Station No. 5000+00 - LT	WV 93 - Bismarck (WV)
1046 - Residential	Station No. 5000+00 - LT	WV 93 - Bismarck (WV)
1047 - Residential	Station No. 4995+00 - LT	WV 93 - Bismarck (WV)
1048 - Residential	Station No. 4990+00 - LT	WV 93 - Bismarck (WV)
1049 - Residential	Station No. 5080+00 - LT	WV 42 & WV 93 (WV)
1050 - Residential	Station No. 5020+00 - LT	WV 93 - Bismarck (WV)
1051 - Residential	Station No. 5010+00 - LT	WV 93 - Bismarck (WV)
1052 - Residential	Station No. 5010+00 - LT	WV 93 - Bismarck (WV)
1053 - Residential	Station No. 5010+00 - LT	WV 93 - Bismarck (WV)
1054 - Residential	Station No. 5005+00 - LT	WV 93 - Bismarck (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1055 - Residential	Station No. 5005+00 - LT	WV 93 - Bismarck (WV)
1056 - Residential	Station No. 5005+00 - LT	WV 93 - Bismarck (WV)
1057 - Residential	Station No. 5005+00 - LT	WV 93 - Bismarck (WV)
1058 - Residential	Station No. 5005+00 - LT	WV 93 - Bismarck (WV)
1059 - Residential	Station No. 5005+00 - LT	WV 93 - Bismarck (WV)
1060 - Residential	Station No. 5005+00 - LT	WV 93 - Bismarck (WV)
1061 - Residential	Station No. 5005+00 - LT	WV 93 - Bismarck (WV)
1062 - Residential	Station No. 5010+00 - LT	WV 93 - Bismarck (WV)
1063 - Residential	Station No. 5010+00 - LT	WV 93 - Bismarck (WV)
1064 - Residential	Station No. 5010+00 - LT	WV 93 - Bismarck (WV)
1065 - Residential	Station No. 4990+00 - RT	WV 93 - Bismarck (WV)
1066 - Residential	Station No. 5085+00 - RT	WV 42/93 (WV)
1067 - Residential	Station No. 5220+00 - RT	Bismarck (WV)
1068 - Residential	Station No. 5145+00 - LT	Bismarck (WV)
1069 - Residential	Station No. 5135+00 - RT	Bismarck (WV)
1070 - Residential	Station No. 5190+00 - RT	CR 1 (WV)
1071 - Residential	Station No. 5330+00 - RT	CR 1 (WV)
1072 - Residential	Station No. 5330+00 - RT	CR 1 (WV)
1073 - Residential	Station No. 5330+00 - RT	CR 1 (WV)
1074 - Residential	Station No. 5325+00 - RT	CR 1 (WV)
1075 - Residential	Station No. 5270+00 - RT	WV 93 (WV)
1076 - Residential	Station No. 5265+00 - RT	WV 93 (WV)
1077 - Residential	Station No. 5265+00 - RT	WV 93 (WV)
1078 - Residential	Station No. 5265+00 - RT	WV 93 (WV)
1079 - Residential	Station No. 5260+00 - RT	WV 93 (WV)
1080 - Residential	Station No. 5245+00 - RT	WV 93 (WV)
1081 - Residential	Station No. 5255+00 - LT	WV 93 (WV)
1082 - Residential	Station No. 5265+00 - LT	WV 93 (WV)
1083 - Residential	Station No. 5270+00 - LT	WV 93 (WV)
1084 - Residential	Station No. 5310+00 - RT	CR 1 (WV)
1085 - Residential	Station No. 5415+00 - RT	CR 1 (WV)
1086 - Residential	Station No. 5405+00 - LT	CR 1/CR 3/3 (WV)
1087 - Residential	Station No. 5400+00 - LT	CR 1/CR 3/3 (WV)
1088 - Residential	Station No. 5405+00 - LT	CR 1/CR 3/3 (WV)
1089 - Residential	Station No. 5405+00 - LT	CR 1/CR 3/3 (WV)
1090 - Residential	Station No. 5405+00 - LT	CR 1/CR 3/3 (WV)
1091 - Residential	Station No. 5405+00 - LT	CR 1/CR 3/3 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1092 - Residential/ Beauty Salon	Station No. 5385+00 - RT	CR 1/ CR 3/3 (WV)
1093 - Residential	Station No. 5575+00 - LT	CR 3 (WV)
1094 - Residential	Station No. 5495+00 - RT	CR 42/3 (WV)
1095 - Residential	Station No. 5495+00 - RT	CR 42/3 (WV)
1096 - Residential	Station No. 5480+00 - RT	CR 42/3 (WV)
1097 - Residential	Station No. 5460+00 - RT	CR 42/3 (WV)
1098 - Residential	Station No. 5555+00 - LT	CR 3 (WV)
1099 - Residential	Station No. 5555+00 - LT	CR 3 (WV)
1100 - Residential	Station No. 5590+00 - LT	CR 3 (WV)
1101 - Residential	Station No. 5595+00 - LT	CR 3 (WV)
1102 - Residential	Station No. 5600+00 - RT	CR 3 (WV)
1103 - Residential	Station No. 5625+00 - LT	CR 3 (WV)
1104 - Residential	Station No. 5655+00 - LT	CR 5/4 (WV)
1105 - Residential	Station No. 5670+00 - LT	CR 5/4 (WV)
1106 - Residential	Station No. 5700+00 - LT	CR 5/4 (WV)
1107 - Residential	Station No. 5690+00 - LT	CR 5/4 (WV)
1108 - Residential	Station No. 5670+00 - LT	CR 5/4 (WV)
1109 - Residential	Station No. 5765+00 - LT	CR 5/4 (WV)
1110 - Residential	Station No. 5745+00 - LT	CR 5/4 (WV)
1111 - Residential	Station No. 5745+00 - LT	CR 5/4 (WV)
1112 - Residential	Station No. 5735+00 - LT	CR 5/4 (WV)
1113 - Residential	Station No. 5730+00 - LT	CR 5/4 (WV)
1114 - Residential	Station No. 5725+00 - LT	CR 5/4 (WV)
1115 - Residential	Station No. 5700+00 - LT	CR 5/4 (WV)
1116 - Residential	Station No. 5685+00 - LT	CR 5/4 (WV)
1117 - Residential	Station No. 5680+00 - LT	CR 5/4 (WV)
1118 - Residential	Station No. 5710+00 - RT	CR 5/4 (WV)
1119 - Residential	Station No. 5670+00 - LT	CR 5/4 (WV)
1120 - Residential	Station No. 5670+00 - LT	CR 5/4 (WV)
1121 - Residential	Station No. 5670+00 - LT	CR 5/4 (WV)
1122 - Residential	Station No. 5675+00 - LT	CR 5/4 (WV)
1123 - Residential	Station No. 5690+00 - LT	CR 5/4 (WV)
1124 - Residential	Station No. 5690+00 - LT	CR 5/4 (WV)
1125 - Residential	Station No. 5690+00 - LT	CR 5/4 (WV)
1126 - Residential	Station No. 5735+00 - RT	CR 5/4 (WV)
1127 - Residential	Station No. 5805+00 - LT	CR 5/5/ CR 5 (WV)
1128 - Residential	Station No. 5790+00 - LT	CR 5/ CR 5/5 (WV)

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RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1129 - Residential	Station No. 5785+00 - LT	CR 5/4/ CR 5 (WV)
1130 - Residential	Station No. 5790+00 - LT	CR 5/ CR 5/5 (WV)
1131 - Residential	Station No. 5790+00 - LT	CR 5/ CR 5/5 (WV)
1132 - Residential	Station No. 5790+00 - LT	CR 5/ CR 5/5 (WV)
1133 - Institutional Community Center	Station No. 5790+00 - LT	CR 5 (WV)
1134 - Residential	Station No. 5790+00 - LT	CR 5 (WV)
1135 - Residential	Station No. 5790+00 - RT	CR 5 (WV)
1136 - Residential	Station No. 5790+00 - RT	CR 5 (WV)
1137 - Institutional United Methodist Church	Station No. 5790+00 - RT	CR 5 (WV)
1138 - Residential	Station No. 5780+00 - LT	CR 5 (WV)
1139 - Residential	Station No. 5800+00 - LT	CR 5/5 (WV)
1140 - Residential	Station No. 5985+00 - LT	CR 10/5 (WV)
1141 - Residential	Station No. 5985+00 - LT	CR 10/5 (WV)
1142 - Residential	Station No. 6135+00 - RT	CR 220/8 (WV)
1143 - Residential	Station No. 6050+00 - LT	Delta 4 (WV)
1144 - Residential	Station No. 6030+00 - LT	Delta 4 (WV)
1145 - Residential	Station No. 6030+00 - LT	Delta 4 (WV)
1146 - Residential	Station No. 6035+00 - LT	Delta 4 (WV)
1147 - Residential	Station No. 6030+00 - LT	Delta 4 (WV)
1148 - Residential	Station No. 6015+00 - LT	Delta 4 (WV)
1149 - Residential	Station No. 6245+00 - LT	US 220 & WV 28 (WV)
1150 - Residential	Station No. 6235+00 - RT	US 220 & WV 28 (WV)
1151 - Residential	Station No. 6230+00 - LT	US 220 & WV 28 (WV)
1152 - Residential	Station No. 6220+00 - LT	US 220 & WV 28 (WV)
1153 - Residential	Station No. 6220+00 - LT	US 220 & WV 28 (WV)
1154 - Residential	Station No. 6220+00 - RT	US 220 & WV 28 (WV)
1155 - Residential	Station No. 6220+00 - RT	US 220 & WV 28 (WV)
1156 - Residential	Station No. 6220+00 - RT	US 220 & WV 28 (WV)
1157 - Residential	Station No. 6215+00 - RT	US 220 & WV 28 (WV)
1158 - Residential	Station No. 6230+00 - RT	US 220 & WV 28 (WV)
1159 - Residential	Station No. 6210+00 - RT	US 220 & WV 28 (WV)
1160 - Residential	Station No. 6195+00 - LT	US 220 & WV 28 (WV)
1161 - Residential	Station No. 6195+00 - LT	US 220 & WV 28 (WV)
1162 - Residential	Station No. 6230+00 - RT	US 220 & WV 28 (WV)
1163 - Residential	Station No. 6235+00 - RT	US 220 / WV 28/ Delta 1 (WV)
1164 - Residential	Station No. 6240+00 - RT	US 220 / WV 28/ Delta 1 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1165 - Residential	Station No. 6375+00 - RT	CR 15 (WV)
1166 - Residential	Station No. 6365+00 - RT	CR 15 (WV)
1167 - Residential	Station No. 6365+00 - RT	CR 15 (WV)
1168 - Residential	Station No. 6355+00 - RT	CR 15 (WV)
1169 - Residential	Station No. 6345+00 - RT	CR 15 (WV)
1170 - Residential	Station No. 6345+00 - RT	CR 15 (WV)
1171 - Residential	Station No. 6345+00 - RT	CR 15 (WV)
1172 - Residential	Station No. 6340+00 - RT	CR 15 (WV)
1173 - Residential	Station No. 6335+00 - RT	CR 15 (WV)
1174 - Residential	Station No. 6335+00 - RT	CR 15 (WV)
1175 - Residential	Station No. 6335+00 - RT	CR 15 (WV)
1176 - Residential	Station No. 6330+00 - RT	CR 15 (WV)
1177 - Residential	Station No. 6330+00 - RT	CR 15 (WV)
1178 - Residential	Station No. 6330+00 - RT	CR 15 (WV)
1179 - Residential	Station No. 6325+00 - RT	CR 15 (WV)
1180 - Residential	Station No. 6325+00 - RT	CR 15 (WV)
1181 - Residential	Station No. 6325+00 - RT	CR 15 (WV)
1182 - Residential	Station No. 6320+00 -LT	CR 6/ CR 15 (WV)
1183 - Residential	Station No. 6315+00 - LT	CR 6/ CR 15 (WV)
1184 - Residential	Station No. 6305+00 - LT	CR 6 (WV)
1185 - Residential	Station No. 6305+00 - LT	CR 6 (WV)
1186 - Residential	Station No. 6300+00 - RT	CR 6/ CR 15 (WV)
1187 - Residential	Station No. 6295+00 - RT	CR 15/ CR 6 (WV)
1188 - Residential	Station No. 6300+00 - RT	CR 15/ CR 6 (WV)
1189 - Residential	Station No. 6310+00 - RT	CR 15/ CR 6 (WV)
1190 - Residential	Station No. 6295+00 - LT	CR 6 (WV)
1191 - Institutional Seventh Day Adventist Church	Station No. 6295+00 - LT	CR 6 (WV)
1192 - Residential	Station No. 6290+00 - LT	CR 6 (WV)
1193 - Residential	Station No. 6290+00 - LT	CR 6 (WV)
1194 - Residential	Station No. 6290+00 - LT	CR 6 (WV)
1195 - Residential	Station No. 6290+00 - LT	CR 6/ CR 15 (WV)
1196 - Residential	Station No. 6300+00 - RT	CR 6/ CR 15 (WV)
1197 - Residential	Station No. 6295+00 - RT	CR 6/ CR 15 (WV)
1198 - Residential	Station No. 6310+00 - RT	CR 6/ CR 15 (WV)
1199 - Residential	Station No. 6475+00 - RT	WV 55 (WV)
1200 - Residential	Station No. 6475+00 - LT	WV 55 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1201 - Residential	Station No. 6475+00 - LT	WV 55 (WV)
1202 - Residential	Station No. 6465+00 - LT	WV 55 (WV)
1203 - Residential	Station No. 6460+00 - LT	WV 55 (WV)
1204 - Residential	Station No. 6430+00 - LT	WV 55 (WV)
1205 - Residential	Station No. 6430+00 - LT	WV 55 (WV)
1206 - Residential	Station No. 6425+00 - LT	WV 55 (WV)
1207 - Residential	Station No. 6425+00 - LT	WV 55 (WV)
1208 - Residential	Station No. 6425+00 - LT	WV 55 (WV)
1209 - Residential	Station No. 6425+00 - LT	WV 55 (WV)
1210 - Residential	Station No. 6425+00 - LT	WV 55 (WV)
1211 - Residential	Station No. 6420+00 - LT	WV 55 (WV)
1212 - Residential	Station No. 6410+00 - LT	WV 55 (WV)
1213 - Residential	Station No. 6410+00 - LT	WV 55 (WV)
1214 - Residential	Station No. 6410+00 - LT	WV 55 (WV)
1215 - Residential	Station No. 6405+00 - LT	WV 55/ County15 (WV)
1216 - Institutional Church	Station No. 6395+00 - LT	WV 55/ CR 15 (WV)
1217 - Residential	Station No. 6395+00 - LT	WV 55/ CR 15 (WV)
1218 - Residential	Station No. 6425+00 - LT	WV 55 (WV)
1219 - Residential	Station No. 6465+00 - RT	WV 55 (WV)
1220 - Residential	Station No. 6475+00 - RT	WV 55 (WV)
1221 - Residential	Station No. 6620+00 - RT	WV 55/ CR 1 (WV)
1222 - Institutional (Abandoned school)	Station No. 6605+00 - RT	WV 55/ CR 1 (WV)
1223 - Residential	Station No. 6595+00 - RT	WV 55 (WV)
1224 - Residential	Station No. 6590+00 - RT	WV 55 (WV)
1225 - Residential	Station No. 6585+00 - RT	WV 55 (WV)
1226 - Residential	Station No. 6590+00 - RT	WV 55 (WV)
1227 - Residential	Station No. 6500+00 - RT	WV 55 (WV)
1228 - Residential	Station No. 6630+00 - RT	CR 1/ WV 55 (WV)
1229 - Residential	Station No. 6655+00 - RT	WV 55 (WV)
1230 - Residential	Station No. 6670+00 - RT	CR 23/3 / WV 55 (WV)
1231 - Residential	Station No. 6675+00 - RT	WV 55/ CR 23/3 (WV)
1232 - Residential	Station No. 6670+00 - RT	CR 23/3 / WV 55 (WV)
1233 - Residential	Station No. 6645+00 - RT	WV 55 (WV)
1234 - Residential	Station No. 6640+00 - RT	WV 55/ CR 1 (WV)
1235 - Residential	Station No. 6630+00 - RT	WV 55/ CR 1 (WV)
1236 - Residential	Station No. 6660+00 - RT	WV 55/ CR 23/3 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1237 - Residential	Station No. 6820+00 - RT	WV 55 (WV)
1238 - Residential	Station No. 6775+00 - RT	CR 23/4 (WV)
1239 - Residential	Station No. 6750+00 - LT	CR 23/A / WV 55 (WV)
1240 - Residential	Station No. 6760+00 - LT	CR 23/A / WV 55 (WV)
1241 - Residential	Station No. 6885+00 - RT	WV 55 (WV)
1242 - Residential	Station No. 6880+00 - RT	WV 55 (WV)
1243 - Residential	Station No. 6880+00 - RT	WV 55 (WV)
1244 - Residential	Station No. 6865+00 - RT	WV 55 / CR 23/5 (WV)
1245 - Residential	Station No. 6860+00 - RT	WV 55 / CR 23/5 (WV)
1246 - Residential	Station No. 6860+00 - RT	WV 55 / CR 23/5 (WV)
1247 - Residential	Station No. 6855+00 - RT	WV 55 / CR 23/5 (WV)
1248 - Residential	Station No. 6855+00 - RT	WV 55 / CR 23/5 (WV)
1249 - Residential	Station No. 6860+00 - RT	WV 55 / CR 23/5 (WV)
1250 - Residential	Station No. 6850+00 - RT	WV 55 (WV)
1251 - Residential	Station No. 6850+00 - RT	WV 55 (WV)
1252 - Residential	Station No. 6845+00 - RT	WV 55 (WV)
1253 - Residential	Station No. 6845+00 - RT	WV 55 (WV)
1254 - Residential	Station No. 6855+00 - RT	WV 55 (WV)
1255 - Residential	Station No. 6850+00 - RT	WV 55 (WV)
1256 - Residential	Station No. 6850+00 - RT	WV 55 (WV)
1257 - Residential	Station No. 6825+00 - RT	WV 55 (WV)
1258 - Residential	Station No. 6870+00 - RT	WV 55 (WV)
1259 - Residential	Station No. 6860+00 - RT	CR 23/5 / WV 55 (WV)
1260 - Residential	Station No. 6855+00 - RT	CR 23/5 / WV 55 (WV)
1261 - Institutional Baker Run School	Station No. 7050+00 - LT	WV 55 - Baker (WV)
1262 - Institutional East Hardy High School	Station No. 7005+00 - LT	WV 55 - Baker (WV)
1263 - Residential	Station No. 7015+00 - LT	WV 55 / CR 55/2 - Baker (WV)
1264 - Residential	Station No. 7015+00 - LT	WV 55 / CR 55/2 - Baker (WV)
1265 - Residential	Station No. 7015+00 - LT	WV 55 / CR 55/2 - Baker (WV)
1266 - Institutional East Hardy Library	Station No. 7005+00 - LT	WV 55 - Baker (WV)
1267 - Residential	Station No. 7000+00 - LT	WV 55 - Baker (WV)
1268 - Residential	Station No. 7000+00 - RT	WV 55 - Baker (WV)
1269 - Residential	Station No. 7000+00 - RT	WV 55 - Baker (WV)
1270 - Residential	Station No. 7000+00 - RT	WV 55 - Baker (WV)
1271 - Institutional Baker Church	Station No. 6990+00 - RT	WV 55 - Baker (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1272 - Residential	Station No. 6985+00 - RT	WV 55 - Baker (WV)
1273 - Residential	Station No. 6970+00 - RT	WV 55 (WV)
1274 - Residential John Bott House	Station No. 6955+00 - RT	WV 55 - Needmore (WV)
1275 - Residential William Hawes House	Station No. 6925+00 - LT	WV 55 - Needmore (WV)
1277 - Residential	Station No. 7000+00 - LT	WV 55 - Baker (WV)
1278 - Residential	Station No. 6940+00 - RT	WV 55 - Needmore (WV)
1279 - Residential	Station No. 6940+00 - RT	WV 55 / CR 8 (WV)
1280 - Residential	Station No. 6940 +00 - RT	WV 55 - Needmore (WV)
1281 - Residential	Station No. 6920+00 - RT	WV 55 - Needmore (WV)
1282 - Residential	Station No. 6940+00 - RT	WV 55 - Needmore (WV)
1283 - Residential	Station No. 6995+00 - RT	WV 55 - Baker (WV)
1284 - Residential	Station No. 7005+00 - RT	WV 55 - Baker (WV)
1285 - Residential	Station No. 7005+00 - RT	WV 55 - Baker (WV)
1286 - Residential	Station No. 7025+00 - LT	CR 55/2 - Baker (WV)
1287 - Residential	Station No. 7030+00 - LT	CR 55/2 - Baker (WV)
1288 - Residential	Station No. 7040+00 - LT	CR 55/2 - Baker (WV)
1289 - Residential	Station No. 7040+00 - LT	CR 55/2 - Baker (WV)
1290 - Residential	Station No. 7040+00 - LT	CR 55/2 - Baker (WV)
1291 - Residential	Station No. 7045+00 - LT	CR 55/2 - Baker (WV)
1292 - Residential	Station No. 7045+00 - LT	CR 55/2 - Baker (WV)
1293 - Residential	Station No. 7050+00 - LT	CR 55/2 - Baker (WV)
1294 - Residential	Station No. 7045+00 - LT	CR 55/2 - Baker (WV)
1295 - Residential	Station No. 7045+00 - LT	CR 55/2 - Baker (WV)
1296 - Residential	Station No. 7050+00 - LT	CR 55/2 - Baker (WV)
1297 - Residential	Station No. 7095+00 - LT	WV 55 & 259 (WV)
1298 - Residential	Station No. 7065+00 - LT	WV 55 & 259 - Baker (WV)
1299 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1300 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1301 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1302 - Residential	Station No. 7055+00 - LT	WV 55 & 259 - Baker (WV)
1303 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1304 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1305 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1306 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1307 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1308 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1309 - Residential	Station No. 7060+00 - LT	WV 55 & 259 - Baker (WV)
1310 - Residential	Station No. 7070+00 - LT	WV 55 & 259 - Baker (WV)
1311 - Residential	Station No. 7075+00 - LT	WV 55 & 259 - Baker (WV)
1312 - Residential	Station No. 7075+00 - LT	WV 55 & 259 - Baker (WV)
1313 - Residential	Station No. 7080+00 - LT	WV 55 & 259 - Baker (WV)
1314 - Residential	Station No. 7085+00 - LT	WV 55 & 259 - Baker (WV)
1315 - Residential	Station No. 7165+00 - RT	CR 23/7/ WV 55 & 259 (WV)
1316 - Residential	Station No. 7160+00 - LT	CR 23/7/ WV 55 & 259 (WV)
1317 - Residential	Station No. 7160+00 - LT	CR 23/7/ WV 55 & 259 (WV)
1318 - Residential	Station No. 7255+00 - LT	CR 23/8 (WV)
1319 - Residential	Station No. 7225+00 - RT	CR 23/8 (WV)
1320 - Residential	Station No. 7225+00 - RT	CR 23/8 (WV)
1321 - Residential	Station No. 7220+00 - RT	CR 23/8/ WV 55 & 259 (WV)
1322 - Residential	Station No. 7215+00 - RT	CR 23/8 (WV)
1323 - Residential	Station No. 7215+00 - RT	CR 23/8/ WV 55 & 259 (WV)
1324 - Residential	Station No. 7205+00 - RT	WV 55 & 259 (WV)
1325 - Residential	Station No. 7190+00 - LT	WV 55 & 259 (WV)
1326 - Residential	Station No. 7180+00 - RT	WV 55 & 259 (WV)
1327 - Residential	Station No. 7180+00 - RT	WV 55 & 259 (WV)
1328 - Residential	Station No. 7190+00 - RT	WV 55 & 259/ CR 23/8 (WV)
1329 - Residential	Station No. 7185+00 - RT	WV 55 & 259/ CR 23/8 (WV)
1330 - Residential	Station No. 7270+00 - LT	WV 55 & 259/ CR 23/8 (WV)
1331 - Residential	Station No. 7445+00 - LT	WV 55 & 259 (WV)
1332 - Residential	Station No. 7450+00 - LT	WV 55 & 259 (WV)
1333 - Recreational Roadside Park	Station No. 7450+00 - RT	WV 55 & 259 (WV)
1334 - Institutional Cemetery	Station No. 7445+00 - RT	WV 55 & 259 (WV)
1335 - Residential	Station No. 7435+00 - RT	WV 55 & 259 (WV)
1336 - Residential	Station No. 7430+00 - RT	WV 55 & 259 (WV)
1337 - Residential	Station No. 7340+00 - LT	WV 55 & 259 (WV)
1338 - Residential	Station No. 7370+00 - LT	WV 55 & 259 (WV)
1339 - Residential	Station No. 7375+00 - LT	WV 55 & 259 (WV)
1340 - Residential	Station No. 7440+00 - LT	WV 55 & 259 (WV)
1341 - Residential	Station No. 7425+00 - RT	WV 55 & 259 (WV)
1342 - Residential	Station No. 7425+00 - RT	WV 55 & 259 (WV)
1343 - Residential	Station No. 7425+00 - RT	WV 55 & 259 (WV)
1344 - Residential	Station No. 7510+00 - RT	CR 23/10 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1345 - Residential	Station No. 7510+00 - RT	CR 23/10 (WV)
1346 - Residential	Station No. 7510+00 - RT	CR 23/10 (WV)
1347 - Residential	Station No. 7510+00 - RT	CR 23/10 (WV)
1348 - Residential	Station No. 7510+00 - RT	CR 23/10 (WV)
1349 - Residential	Station No. 7510+00 - RT	CR 23/10 (WV)
1350 - Residential	Station No. 7505+00 - RT	CR 23/10 (WV)
1351 - Residential	Station No. 7515+00 - RT	CR 23/10 (WV)
1352 - Residential	Station No. 7495+00 - LT	WV 55 (WV)
1353 - Residential	Station No. 7475+00 - LT	WV 55 (WV)
1354 - Residential	Station No. 7475+00 - LT	WV 55 (WV)
1355 - Residential	Station No. 7470+00 - LT	WV 55 (WV)
1356 - Residential	Station No. 7460+00 - LT	CR 23/12/ WV 55 (WV)
1357 - Residential	Station No. 7460+00 - LT	CR 23/12/ WV 55 (WV)
1358 - Residential	Station No. 7510+00 - RT	CR 23/10 (WV)
1359 - Residential	Station No. 7515+00 - LT	WV 55 - Wardensville (WV)
1360 - Residential	Station No. 7515+00 - LT	WV 55 - Wardensville (WV)
1361 - Residential	Station No. 7515+00 - LT	WV 55 - Wardensville (WV)
1362 - Residential	Station No. 7510+00 - LT	WV 55 - Wardensville (WV)
1363 - Residential	Station No. 7510+00 - LT	WV 55 - Wardensville (WV)
1364 - Residential	Station No. 7495+00 - RT	WV 55 - Wardensville (WV)
1365 - Residential	Station No. 7500+00 - LT	WV 55 (WV)
1366 - Residential	Station No. 7490+00 - LT	WV 55 (WV)
1367 - Residential	Station No. 7480+00 - LT	WV 55 (WV)
1368 - Residential	Station No. 7470+00 - LT	WV 55 (WV)
1369 - Residential	Station No. 7465+00 - LT	WV 55 (WV)
1370 - Residential	Station No. 7465+00 - LT	WV 55 (WV)
1371 - Residential	Station No. 7460+00 - LT	WV 55 (WV)
1372 - Residential	Station No. 7455+00 - LT	WV 55 (WV)
1373 - Residential	Station No. 7455+00 - LT	WV 55 (WV)
1374 - Residential	Station No. 7515+00 - LT	WV 55 - Wardensville (WV)
1375 - Residential	Station No. 7510+00 - LT	WV 55 - Wardensville (WV)
1376 - Residential	Station No. 7510+00 - LT	WV 55 - Wardensville (WV)
1377 - Residential	Station No. 7510+00 - LT	WV 55 - Wardensville (WV)
1378 - Residential	Station No. 7510+00 - LT	WV 55 - Wardensville (WV)
1379 - Residential	Station No. 7505+00 - LT	WV 55 - Wardensville (WV)
1380 - Residential	Station No. 7505+00 - LT	WV 55 (WV)
1381 - Residential	Station No. 7495+00 - LT	WV 55 (WV)
1382 - Residential	Station No. 7490+00 - LT	WV 55 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1383 - Residential	Station No. 7480+00 - LT	WV 55 (WV)
1384 - Residential	Station No. 7480+00 - LT	WV 55 (WV)
1385 - Residential	Station No. 7480+00 - LT	WV 55 (WV)
1386 - Residential	Station No. 7475+00 - LT	WV 55 (WV)
1387 - Residential	Station No. 7475+00 - LT	WV 55 (WV)
1388 - Residential	Station No. 7470+00 - LT	WV 55 (WV)
1389 - Residential	Station No. 7470+00 - LT	WV 55 (WV)
1390 - Residential	Station No. 7470+00 - LT	WV 55 (WV)
1391 - Residential	Station No. 7465+00 - LT	WV 55 (WV)
1392 - Residential	Station No. 7465+00 - LT	WV 55 (WV)
1393 - Residential	Station No. 7465+00 - LT	WV 55 (WV)
1394 - Residential	Station No. 7460+00 - LT	CR 23/10/ WV 55 (WV)
1395 - Residential	Station No. 7460+00 - LT	CR 23/10/ WV 55 (WV)
1396 - Residential	Station No. 7460+00 - LT	CR 23/10/ WV 55 (WV)
1397 - Residential	Station No. 7465+00 - LT	WV 55/ CR 23/12 (WV)
1398 - Residential	Station No. 7465+00 - LT	WV 55/ CR 23/12 (WV)
1399 - Residential	Station No. 7480+00 - LT	WV 55 (WV)
1400 - Residential	Station No. 7485+00 - RT	WV 55 (WV)
1401 - Residential	Station No. 7515+00 - RT	CR 23/10/ WV 55 (WV)
1402 - Residential	Station No. 7510+00 - RT	CR 23/10/ WV 55 (WV)
1403 - Residential	Station No. 7510+00 - RT	CR 23/10/ WV 55 (WV)
1404 - Residential	Station No. 7510+00 - RT	CR 23/10/ WV 55 (WV)
1405 - Residential	Station No. 7505+00 - RT	CR 23/10/ WV 55 (WV)
1406 - Residential	Station No. 7505+00 - RT	CR 23/10/ WV 55 (WV)
1407 - Residential	Station No. 7505+00 - RT	CR 23/10/ WV 55 (WV)
1408 - Residential	Station No. 7510+00 - RT	CR 23/10/ WV 55 (WV)
1409 - Residential	Station No. 7600+00 - RT	CR 5/1 (WV)
1410 - Residential	Station No. 7585+00 - RT	CR 5/1 (WV)
1411 - Residential	Station No. 7580+00 - RT	CR 5/1 (WV)
1412 - Residential	Station No. 7580+00 - LT	CR 5/1 (WV)
1413 - Residential Valentine Switzer House	Station No. 7580+00 - LT	CR 5/1 (WV)
1414 - Recreational J. Allen Hawkins Community Park	Station No. 7585+00 - LT	CR 5/1 (WV)
1415 - Residential	Station No. 7580+00 - LT	CR 5/1 (WV)
1416 - Residential	Station No. 7580+00 - LT	CR 5/1 (WV)
1417 - Residential	Station No. 7585+00 - LT	CR 5/1 & CR 5 (WV)
1418 - Residential	Station No. 7580+00 - LT	CR 5/1 & CR 5 (WV)

**APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION**

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1491 - Residential	Station No. 7520+00 - LT	County 23/10 - Wardensville (WV)
1492 - Residential	Station No. 7520+00 - LT	County 23/10 - Wardensville (WV)
1493 - Residential	Station No. 7525+00 - LT	County 5/1 (WV)
1494 - Residential	Station No. 7620+00 - LT	County 5/1 (WV)
1495 - Residential	Station No. 7525+00 - LT	County 55 - Wardensville (WV)
1496 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)
1497 - Residential	Station No. 7550+00 - LT	County 55 - Wardensville (WV)
1498 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)
1499 - Residential	Station No. 7545+00 - LT	County 5 - Wardensville (WV)
1500 - Residential	Station No. 7535+00 - LT	County 55 - Wardensville (WV)
1501 - Residential	Station No. 7530+00 - LT	County 55 - Wardensville (WV)
1502 - Residential	Station No. 7520+00 - LT	County 55 - Wardensville (WV)
1503 - Residential	Station No. 7520+00 - LT	County 55 - Wardensville (WV)
1504 - Residential	Station No. 7570+00 - LT	County 5 - Wardensville (WV)
1505 - Residential	Station No. 7570+00 - LT	County 5 - Wardensville (WV)
1506 - Residential	Station No. 7570+00 - LT	County 5 - Wardensville (WV)
1507 - Residential	Station No. 7570+00 - LT	County 5 - Wardensville (WV)
1508 - Residential	Station No. 7560+00 - LT	County 5 - Wardensville (WV)
1509 - Residential	Station No. 7545+00 - LT	County 5 - Wardensville (WV)
1510 - Residential	Station No. 7545+00 - LT	County 5 - Wardensville (WV)
1511 - Residential	Station No. 7545+00 - LT	County 5 - Wardensville (WV)
1512 - Residential	Station No. 7545+00 - LT	County 5 - Wardensville (WV)
1513 - Residential	Station No. 7540+00 - LT	County 5 - Wardensville (WV)
1514 - Residential	Station No. 7525+00 - LT	County 23/10 - Wardensville (WV)
1515 - Residential	Station No. 7520+00 - LT	County 23/10 - Wardensville (WV)
1516 - Residential	Station No. 7520+00 - RT	County 23/10 - Wardensville (WV)
1517 - Residential	Station No. 7520+00 - LT	County 55 - Wardensville (WV)
1518 - Residential	Station No. 7520+00 - LT	County 55 - Wardensville (WV)
1519 - Residential Hidden River Gardens Apartments (12 units)	Station No. 7535+00 - LT	County 55 - Wardensville (WV)
1520 - Residential	Station No. 7540+00 - LT	County 55 - Wardensville (WV)
1521 - Residential	Station No. 7540+00 - LT	County 55 - Wardensville (WV)
1522 - Residential	Station No. 7545+00 - LT	County 5 - Wardensville (WV)
1523 - Residential	Station No. 7545+00 - LT	County 5 - Wardensville (WV)
1524 - Residential	Station No. 7545+00 - LT	County 5 - Wardensville (WV)
1526 - Residential	Station No. 7530+00 - LT	County 55 - Wardensville (WV)
1527 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1529 - Residential	Station No. 7560+00 - LT	County 55 - Wardensville (WV)
1530 - Residential	Station No. 7560+00 - LT	County 55 - Wardensville (WV)
1531 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)
1532 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)
1533 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)
1534 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)
1535 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)
1536 - Residential	Station No. 7555+00 - LT	County 55 - Wardensville (WV)
1537 - Residential	Station No. 7550+00 - LT	County 55 - Wardensville (WV)
1538 - Residential	Station No. 7550+00 - LT	County 55 - Wardensville (WV)
1539 - Residential	Station No. 7550+00 - LT	County 5 - Wardensville (WV)
1540 - Residential	Station No. 7555+00 - LT	County 5 - Wardensville (WV)
1541 - Residential	Station No. 7555+00 - LT	County 5 - Wardensville (WV)
1542 - Residential	Station No. 7550+00 - LT	County 5 - Wardensville (WV)
1543 - Residential	Station No. 7555+00 - LT	County 5 - Wardensville (WV)
1544 - Residential	Station No. 7560+00 - LT	County 5 - Wardensville (WV)
1545 - Residential	Station No. 7550+00 - RT	Wardensville (WV)
1546 - Residential	Station No. 7555+00 - RT	Wardensville (WV)
1547 - Residential	Station No. 7575+00 - LT	County 5 - Wardensville (WV)
1548 - Residential	Station No. 7575+00 - LT	County 5 - Wardensville (WV)
1549 - Residential	Station No. 7575+00 - LT	County 5 - Wardensville (WV)
1550 - Residential	Station No. 7580+00 - LT	County 5 - Wardensville (WV)
1551 - Residential	Station No. 7605+00 - LT	Wardensville (WV)
1552 - Residential	Station No. 7610+00 - RT	Wardensville (WV)
1553 - Residential	Station No. 7625+00 - RT	Wardensville (WV)
1554 - Residential	Station No. 7625+00 - LT	Wardensville (WV)
1555 - Residential	Station No. 7630+00 - LT	Wardensville (WV)
1556 - Residential	Station No. 7635+00 - LT	Wardensville (WV)
1557 - Residential	Station No. 7680+00 - LT	Wardensville (WV)
1558 - Residential	Station No. 7725+00 - LT	WV 55 (WV)
1559 - Residential	Station No. 7735+00 - LT	WV 55 (WV)
1560 - Residential	Station No. 7760+00 - LT	WV 55 (WV)
1561 - Residential	Station No. 7760+00 - LT	WV 55 (WV)
1562 - Residential	Station No. 7760+00 - LT	WV 55 (WV)
1563 - Residential	Station No. 7765+00 - LT	WV 55 (WV)
1564 - Residential	Station No. 7770+00 - LT	WV 55 (WV)
1908 - Residential	Station No. 530+00 RT	US 219 Gilman (WV)
1909 - Residential	Station No. 535+00 RT	US 219 Gilman (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1910 - Residential	Station No. 535+00 RT	US 219 Gilman (WV)
1911 - Residential	Station No. 535+00 RT	US 219 Gilman (WV)
1912 - Institutional	Station No. 540+00 RT	US 219 Gilman (WV)
1913 - Residential	Station No. 540+00 RT	US 219 Gilman (WV)
1914 - Residential	Station No. 540+00 LT	US 219 Gilman (WV)
1915 - Residential	Station No. 540+00 RT	US 219 Gilman (WV)
1916 - Residential	Station No. 540+00 RT	US 219 Gilman (WV)
1917 - Residential	Station No. 545+00 LT	US 219 Gilman (WV)
1918 - Residential	Station No. 545+00 RT	US 219 Gilman (WV)
1919 - Residential	Station No. 545+00 LT	US 219 Gilman (WV)
1920 - Residential	Station No. 545+00 RT	US 219 Gilman (WV)
1921 - Residential	Station No. 550+00 RT	US 219 Gilman (WV)
1922 - Residential	Station No. 555+00 RT	US 219 Gilman (WV)
1923 - Residential	Station No. 555+00 RT	US 219 Gilman (WV)
1924 - Residential	Station No. 560+00 RT	US 219 Gilman (WV)
1925 - Residential	Station No. 655+00 RT	US 219 (WV)
1926 - Residential	Station No. 660+00 LT	US 219 (WV)
1927 - Residential	Station No. 660+00 LT	US 219 (WV)
1928 - Residential	Station No. 660+00 RT	US 219 (WV)
1929 - Residential	Station No. 660+00 RT	US 219 (WV)
1930 - Residential	Station No. 665+00 RT	US 219 (WV)
1931 - Residential	Station No. 665+00 LT	US 219 (WV)
1932 - Residential	Station No. 680+00 LT	US 219 (WV)
1933 - Institutional	Station No. 715+00 RT	US 219 Kerens (WV)
1934 - Residential	Station No. 720+00 RT	US 219 Kerens (WV)
1935 - Residential	Station No. 725+00 RT	US 219 Kerens (WV)
1936 - Residential	Station No. 730+00 RT	US 219 Kerens (WV)
1937 - Residential	Station No. 730+00 RT	US 219 Kerens (WV)
1938 - Residential	Station No. 735+00 RT	US 219 Kerens (WV)
1939 - Residential	Station No. 735+00 LT	US 219 Kerens (WV)
1940 - Residential	Station No. 740+00 LT	US 219 Kerens (WV)
1941 - Residential	Station No. 1575+00 RT	US 219 (WV)
1942 - Residential	Station No. 1575+00 LT	US 219 (WV)
1943 - Residential	Station No. 1575+00 RT	US 219 (WV)
1944 - Residential	Station No. 1580+00 LT	US 219 (WV)
1945 - Residential	Station No. 1585+00 RT	US 219 (WV)
1946 - Residential	Station No. 1590+00 RT	US 219 (WV)
1947 - Residential	Station No. 1605+00 RT	US 219 (WV)

**APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION**

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1948 - Residential	Station No. 1605+00 RT	US 219 (WV)
1949 - Residential	Station No. 1605+00 RT	US 219 (WV)
1950 - Residential	Station No. 1610+00 RT	US 219 (WV)
1951 - Residential	Station No. 1610+00 LT	US 219 (WV)
1952 - Residential	Station No. 1610+00 LT	US 219 (WV)
1954 - Residential	Station No. 1625+00 LT	US 219 (WV)
1955 - Residential	Station No. 1625+00 LT	US 219 (WV)
1956 - Residential	Station No. 1630+00 RT	US 219 (WV)
1957 - Residential	Station No. 1635+00 RT	US 219 (WV)
1958 - Residential	Station No. 1645+00 RT	US 219 (WV)
1959 - Residential	Station No. 1645+00 LT	US 219 (WV)
1960 - Residential	Station No. 1650+00 RT	US 219 (WV)
1961 - Residential	Station No. 1670+00 LT	US 219 (WV)
1962 - Residential	Station No. 1675+00 RT	US 219 (WV)
1963 - Residential	Station No. 1685+00 RT	CR 219/2 (WV)
1964 - Residential	Station No. 1685+00 RT	CR 219/2 (WV)
1965 - Residential	Station No. 1690+00 LT	US 219 (WV)
1966 - Residential	Station No. 1690+00 RT	US 219 (WV)
1967 - Residential	Station No. 1690+00 RT	US 219 (WV)
1968 - Residential	Station No. 1690+00 RT	US 219 (WV)
1970 - Residential	Station No. 1695+00 LT	US 219 Montrose (WV)
1971 - Residential	Station No. 1695+00 LT	US 219 Montrose (WV)
1972 - Residential	Station No. 1695+00 LT	US 219 Montrose (WV)
1973 - Residential	Station No. 1695+00 LT	US 219 Montrose (WV)
1974 - Residential	Station No. 1700+00 LT	US 219 Montrose (WV)
1975 - Residential	Station No. 1700+00 LT	US 219 Montrose (WV)
1976 - Residential	Station No. 1700+00 LT	US 219 Montrose (WV)
1977 - Residential	Station No. 1700+00 LT	US 219 Montrose (WV)
1978 - Residential	Station No. 1700+00 LT	US 219 Montrose (WV)
1979 - Residential	Station No. 1700+00 LT	US 219 Montrose (WV)
1980 - Residential	Station No. 1700+00 LT	US 219 Montrose (WV)
1981 - Residential	Station No. 1705+00 LT	US 219 Montrose (WV)
1982 - Residential	Station No. 1705+00 LT	US 219 Montrose (WV)
1983 - Residential	Station No. 1710+00 LT	US 219 Montrose (WV)
1984 - Residential	Station No. 1710+00 LT	US 219 Montrose (WV)
1985 - Residential	Station No. 1710+00 RT	US 219 Montrose (WV)
1987 - Residential	Station No. 1720+00 LT	US 219 Montrose (WV)
1988 - Residential	Station No. 1720+00 RT	US 219 Montrose (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1989 - Residential	Station No. 1720+00 RT	US 219 Montrose (WV)
1990 - Residential	Station No. 1730+00 LT	US 219 (WV)
1992 - Institutional	Station No. 1735+00 LT	US 219 (WV)
1993 - Residential	Station No. 1735+00 LT	US 219 (WV)
1994 - Residential	Station No. 1740+00 RT	US 219 (WV)
1995 - Residential	Station No. 1740+00 RT	US 219 (WV)
1996 - Residential	Station No. 1745+00 LT	US 219 (WV)
1997 - Residential	Station No. 1760+00 LT	US 219 (WV)
1998 - Residential	Station No. 1760+00 LT	US 219 (WV)
1999 - Residential	Station No. 1765+00 RT	US 219 (WV)
2000 - Residential	Station No. 1775+00 LT	US 219 (WV)
2001 - Residential	Station No. 1775+00 LT	US 219 (WV)
2002 - Residential	Station No. 1785+00 LT	US 219 (WV)
2003 - Residential	Station No. 1800+00 RT	US 219 (WV)
2004 - Residential	Station No. 1830+00 LT	US 219 (WV)
2005 - Residential	Station No. 1835+00 LT	US 219 (WV)
2007 - Residential	Station No. 1890+00 RT	US 219 (WV)
2009 - Residential	Station No. 1895+00 LT	US 219 (WV)
2010 - Residential	Station No. 1905+00 LT	US 219 (WV)
2011 - Residential	Station No. 1925+00 LT	US 219 (WV)
2012 - Residential	Station No. 1925+00 LT	US 219 (WV)
2013 - Residential	Station No. 1930+00 RT	US 219 (WV)
2014 - Residential	Station No. 1935+00 RT	US 219 (WV)
2016 - Residential	Station No. 1940+00 RT	US 219 (WV)
2017 - Residential	Station No. 1940+00 LT	US 219 (WV)
2018 - Residential	Station No. 1940+00 RT	US 219 (WV)
2019 - Residential	Station No. 1945+00 LT	US 219 (WV)
2020 - Residential	Station No. 1950+00 LT	US 219 (WV)
2021 - Residential	Station No. 1950+00 RT	US 219 (WV)
2022 - Residential	Station No. 1995+00 RT	US 219 (WV)
2023 - Residential	Station No. 2005+00 RT	US 219 (WV)
2024 - Residential	Station No. 2025+00 RT	US 219 (WV)
2025 - Residential	Station No. 2045+00 LT	US 219 (WV)
2026 - Residential	Station No. 2045+00 RT	US 219 (WV)
2027 - Institutional	Station No. 2045+00 LT	US 219 (WV)
2028 - Residential	Station No. 2045+00 RT	US 219 (WV)
2029 - Residential	Station No. 2045+00 RT	US 219 (WV)
2030 - Residential	Station No. 2050+00 RT	US 219 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
2031 - Residential	Station No. 2050+00 RT	US 219 (WV)
2032 - Residential	Station No. 2050+00 LT	US 219 (WV)
2033 - Residential	Station No. 2050+00 RT	US 219 (WV)
2034 - Residential	Station No. 2055+00 LT	US 219 (WV)
2035 - Residential	Station No. 2060+00 LT	US 219 (WV)
2036 - Residential	Station No. 2065+00 LT	US 219 (WV)
2037 - Residential	Station No. 2090+00 RT	CR 219/20 (WV)
2041 - Residential	Station No. 2115+00 LT	US 219 Porterwood (WV)
2042 - Residential	Station No. 2115+00 LT	US 219 Porterwood (WV)
2045 - Residential	Station No. 2180+00 RT	US 219 (WV)
2046 - Residential	Station No. 2180+00 LT	US 219 (WV)
2047 - Residential	Station No. 2185+00 LT	US 219 (WV)
2048 - Residential	Station No. 2190+00 LT	US 219 (WV)
2049 - Residential	Station No. 2210+00 LT	US 219 (WV)
2050 - Residential	Station No. 2230+00 LT	US 219 Parsons (WV)
2051 - Residential	Station No. 2235+00 LT	US 219 Parsons (WV)
2052 - Residential	Station No. 2235+00 LT	US 219 Parsons (WV)
2053 - Residential	Station No. 2235+00 RT	US 219 Parsons (WV)
2054 - Residential	Station No. 2235+00 RT	US 219 Parsons (WV)
2055 - Residential	Station No. 2235+00 RT	US 219 Parsons (WV)
2056 - Residential	Station No. 2240+00 RT	US 219 Parsons (WV)
2075 - Residential	Station No. 2305+00 LT	US 219 Parsons (WV)
2076 - Residential	Station No. 2305+00 RT	US 219 Parsons (WV)
2077 - Residential	Station No. 2310+00 RT	US 219 Parsons (WV)
2078 - Residential	Station No. 2310+00 RT	US 219 Parsons (WV)
2079 - Residential	Station No. 2315+00 RT	US 219 Parsons (WV)
2080 - Residential	Station No. 2315+00 RT	US 219 Parsons (WV)
2081 - Residential	Station No. 2315+00 LT	US 219 Parsons (WV)
2083 - Residential	Station No. 2300+00 LT	US 219 Parsons (WV)
2084 - Residential	Station No. 2300+00 LT	US 219 Parsons (WV)
2085 - Residential	Station No. 2300+00 LT	US 219 Parsons (WV)
2088 - Institutional	Station No. 2310+00 LT	US 219 (WV) Church
2089 - Residential	Station No. 2330+00 LT	US 219 (WV)
2090 - Residential	Station No. 2235+00 RT	US 219 (WV)
2091 - Residential	Station No. 2240+00 RT	US 219 (WV)
2092 - Residential	Station No. 2420+00 LT	CR 31 (WV)
2093 - Residential	Station No. 4225+00 RT	US 219 Thomas (WV)
2094 - Residential	Station No. 4225+00 LT	US 219 Thomas (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
2095 - Residential	Station No. 4235+00 LT	US 219 Thomas (WV)
2096 - Residential	Station No. 4236+00 RT	US 219 Thomas (WV)
2097 - Residential	Station No. 4236+00 LT	US 219 Thomas (WV)
2098 - Residential	Station No. 4242+00 RT	US 219 Thomas (WV)
2099 - Residential	Station No. 4243+00 LT	US 219 Thomas (WV)
2100 - Residential	Station No. 4244+00 LT	US 219 Thomas (WV)
2101 - Residential	Station No. 4243+00 RT	US 219 Thomas (WV)
2105 - Residential	Station No. 4250+00 RT	US 219 Thomas (WV)
2106 - Residential	Station No. 4250+00 RT	US 219 Thomas (WV)
2107 - Residential	Station No. 4252+00 RT	US 219 Thomas (WV)
2108 - Residential	Station No. 4254+00 RT	US 219 Thomas (WV)
2110 - Institutional	Station No. 4266+00 RT	WV 32 (WV)
2112 - Residential	Station No. 5215+00 RT	CR 42/1 (WV)
2113 - Residential	Station No. 5260+00 LT	WV 93 (DIRT SIDE ROAD) (WV)
2115 - Institutional	Station No. 5652+00 RT	CR 3/3 (WV)
2116 - Residential	Station No. 5825+00 LT	CR 2 (WV)
2117 - Residential	Station No. 5844+00 LT	CR 2 (WV)
2118 - Residential	Station No. 5855+00 RT	CR 2
2119 - Residential	Station No. 6048+00 LT	CR 5/2 (WV)
2120 - Residential	Station No. 6221+00 LT	CR 2 (WV)
2121 - Residential	Station No. 6224+00 RT	CR 2 (WV)
2122 - Residential	Station No. 6230+00 RT	CR 2 (WV)
2123 - Residential	Station No. 6244+00 RT	CR 2 (WV)
2125 - Residential	Station No. 6342+00 RT	CR 2 (WV)
2127 - Residential	Station No. 6365+00 LT	WV 28 (WV)
2128 - Residential	Station No. 6379+00 LT	WA 28 (WV)
2129 - Residential	Station No. 6386+00 RT	WV 28 (WV)
2130 - Residential	Station No. 6392+00 RT	WV 28 (WV)
2131 - Residential	Station No. 6395+00 RT	WV 28 (WV)
2132 - Residential	Station No. 6415+00 LT	WV 28 (WV)
2133 - Institutional	Station No. 6418+00 LT	WV 28 (WV)
2134 - Residential	Station No. 6473+00 RT	US 220 / WV 28 (WV)
2135 - Residential	Station No. 6473+00 LT	US 220 / WV 28 (WV)
2136 - Residential	Station No. 6475+00 RT	US 220 / WV 28 (WV)
2137 - Residential	Station No. 6477+00 RT	US 220 / WV 28 (WV)
2139 - Residential	Station No. 5260+00 RT	US 220 / WV 28 Moorefield (WV)
2140 - Residential	Station No. 5275+00 LT	US 220 / WV 28 Moorefield (WV)
2141 - Residential	Station No. 5276+00 RT	US 220 / WV 28 Moorefield (WV)

**APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION**

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
2142 - Residential	Station No. 5278+00 RT	US 220 / WV 28 Moorefield (WV)
2143 - Residential	Station No. 5301+00 RT	WV 55 Moorefield (WV)
2144 - Residential	Station No. 5302+00 LT	WV 55 Moorefield (WV)
2145 - Residential	Station No. 5307+00 LT	WV 55 Moorefield (WV)
2146 - Residential	Station No. 5311+00 LT	WV 55 Moorefield (WV)
2147 - Residential	Station No. 5310+00 LT	WV 55 Moorefield (WV)
2148 - Residential	Station No. 5319+00 RT	WV 55 Moorefield (WV)
2149 - Institutional	Station No. 5350+00 LT	WV 55 (WV)
2151 - Institutional	Station No. 5356+00 RT	WV 55 (WV)
2152 - Residential	Station No. 5367+00 LT	WV 55 (WV)
2153 - Residential	Station No. 5368+00 RT	WV 55 (WV)
2154 - Residential	Station No. 5376+00 RT	WV 55 (WV)
2155 - Residential	Station No. 5384+00 RT	WV 55 (WV)
2156 - Residential	Station No. 5391+00 RT	WV 55 (WV)
2157 - Residential	Station No. 5401+00 LT	WV 55 (WV)
2158 - Residential	Station No. 5398+00 RT	WV 55 (WV)
2159 - Residential	Station No. 5403+00 RT	WV 55 (WV)
2160 - Residential	Station No. 5413+00 LT	WV 55 (WV)
2161 - Residential	Station No. 5418+00 LT	WV 55 (WV)
2162 - Residential	Station No. 5421+00 LT	WV 55 (WV)
2163 - Residential	Station No. 5428+00 LT	WV 55 (WV)
2164 - Residential	Station No. 5430+00 RT	WV 55 (WV)
2165 - Institutional	Station No. 5448+00 LT	WV 55 (WV)
2166 - Residential	Station No. 5945+00 LT	WV 55 (WV)
2167 - Residential	Station No. 5950+00 LT	WV 55 (WV)
2168 - Residential	Station No. 5961+00 RT	WV 55 (WV)
2169 - Residential	Station No. 5965+00 RT	WV 55 (WV)
2170 - Residential	Station No. 5969+00 RT	WV 55 (WV)
2171 - Residential	Station No. 5976+00 RT	WV 55 (WV)
2173 - Residential	Station No. 6000+00 LT	WV 55 (WV)
2176 - Residential	Station No. 6023+00 LT	WV 55 (WV)
2177 - Residential	Station No. 6118+00 LT	WV 55 (WV)
2180 - Institutional	Station No. 6176+00 RT	WV 55 BAKER (WV)
2181 - Institutional	Station No. 6178+00 RT	WV 55 BAKER (WV)
2182 - Institutional	Station No. 6184+00 RT	WV 55 BAKER (WV)
2183 - Institutional	Station No. 6196+00 LT	WV 55 BAKER (WV)
2186 - Institutional	Station No. 6724+00 LT	WV 55 (WV)
2187 - Residential	Station No. 6731+00 LT	WV 55 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
2188 - Residential	Station No. 6734+00 RT	WV 55 (WV)
2190 - Residential	Station No. 6743+00 LT	WV 55 (WV)
2191 - Residential	Station No. 6749+00 LT	WV 55 (WV)
2192 - Residential	Station No. 6755+00 LT	WV 55 (WV)
2193 - Residential	Station No. 6763+00 RT	WV 55 (WV)
2194 - Residential	Station No. 6774+00 RT	WV 55 (WV)
2195 - Residential	Station No. 6784+00 RT	WV 55 (WV)
2196 - Residential	Station No. 6792+00 LT	WV 55 (WV)
2197 - Residential	Station No. 6805+00 RT	WV 55 (WV)
2198 - Residential	Station No. 6808+00 RT	WV 55 (WV)
2199 - Residential	Station No. 6811+00 LT	WV 55 (WV)
2200 - Institutional	Station No. 6855+00 LT	WV 55 (WV)
2201 - Residential	Station No. 6860+00 LT	CR 5 (WV)
2202 - Residential	Station No. 6875+00 LT	CR 5 (WV)
2203 - Institutional	Station No. 2590+00 LT	US 219 Backbone Mtn.
2204 - Residence	Station No. 575+00 LT	US 219 Leading Creek
2205 - Residential	Station No. 6880+00 LT	CR 5 (WV)
2206 - Residential	Station No. 6880+00 RT	CR 5 (WV)
2207 - Residential	Station No. 6765+00 RT	WV 55 (WV)
2208 - Residential	Station No. 6730+00 RT	WV 55 (WV)
2209 - Residential	Station No. 6720+00 RT	WV 55 (WV)
2210 - Residential	Station No. 6715+00 RT	WV 55 (WV)
2211 - Institutional	Station No. 6715+00 LT	WV 55 (WV)
2214 - Residential	Station No. 6700+00 RT	WV 55 (WV) Wardensville
2215 - Residential	Station No. 6700+00 RT	WV 55 (WV) Wardensville
2216 - Residential	Station No. 6700+00 RT	WV 55 (WV) Wardensville
2217 - Residential	Station No. 6700+00 LT	WV 55 (WV) Wardensville
2218 - Residential	Station No. 6695+00 LT	WV 55 (WV) Wardensville
2220 - Residential	Station No. 6695+00 LT	WV 55 (WV) Wardensville
2221 - Residential	Station No. 6635+00 LT	WV 55 (WV)
2222 - Residential	Station No. 6605+00 RT	County 23/2 (WV)
2223 - Residential	Station No. 6464+00 LT	WV 55 (WV)
2224 - Residential	Station No. 6450+00 RT	WV 55 (WV)
2225 - Residential	Station No. 6310+00 RT	County 23/7 (Hanging Rock)
2226 - Residential	Station No. 6195+00 LT	WV 55 (WV)
2227 - Residential	Station No. 6015+00 RT	WV 55 (Needmore)
2228 - Residential	Station No. 5729+00 RT	WV 55 (WV)
2229 - Residential	Station No. 5722+00 RT	WV 55 (WV)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
2230 - Residential	Station No. 5490+00 LT	WV 55 & CR 15 (WV)
2232 - Residential	Station No. 580+00 LT	US 219/1 Gilman
2233 - Residential	Station No. 575+00 RT	US 219/1 Gilman
2234 - Residential	Station No. 570+00 RT	US 219 Gilman
2235 - Residential	Station No. 570+00 RT	US 219 Gilman
2236 - Residential	Station No. 565+00 RT	US 219 Gilman
2237 - Residential	Station No. 560+00 LT	US 219 Gilman
2238 - Residential	Station No. 545+00 LT	US 219 Gilman
2239 - Residential	Station No. 529+00 LT	US 219 (WV)
2252 - Residential	Station No. 764+00 RT	US 219 (WV)
2253 - Residential	Station No. 6215+00 LT	CR 2 & Delta 4
2254 - Residential	Station No. 5315+00 RT	WV 55 Moorefield
2255 - Residential	Station No. 5429+00 LT	WV 55 (WV)
2256 - Residential	Station No. 725+00 LT	US 219 (Kerens)
2257 - Residential	Station No. 730+00 LT	US 219 (Kerens)
2258 - Residential	Station No. 730+00 LT	US 219 (Kerens)
2259 - Residential	Station No. 735+00 LT	US 219 (Kerens)
2260 - Residential	Station No. 735+00 LT	US 219 (Kerens)
2261 - Residential	Station No. 740+00 LT	US 219 (Kerens)
2262 - Residential	Station No. 740+00 LT	US 219 (Kerens)
2263 - Residential	Station No. 740+00 LT	US 219 (Kerens)
2264 - Residential	Station No. 740+00 LT	US 219 (Kerens)
2265 - Residential	Station No. 745+00 LT	US 219 (Kerens)
2266 - Residential	Station No. 745+00 LT	US 219 (Kerens)
2267 - Residential	Station No. 745+00 LT	US 219 (Kerens)
2268 - Residential	Station No. 750+00 LT	US 219 (Kerens)
2269 - Residential	Station No. 745+00 RT	County 7 (Kerens)
2270 - Residential	Station No. 745+00 RT	County 7 (Kerens)
2271 - Residential	Station No. 750+00 RT	County 7 (Kerens)
2272 - Residential	Station No. 755+00 RT	County 7 (Kerens)
2273 - Residential	Station No. 755+00 RT	County 7 (Kerens)
2275 - Residential	Station No. 6699+00 LT	CR 23/3 (WV)
2276 - Residential	Station No. 2215+00 LT	US 219 PARSONS
2277 - Residential	Station No. 2215+00 LT	US 219 PARSONS
2278 - Residential	Station No. 2220+00 LT	US 219 PARSONS
2279 - Residential	Station No. 2220+00 LT	US 219 PARSONS
2280 - Residential	Station No. 2220+00 LT	US 219 PARSONS
2281 - Residential	Station No. 2220+00 LT	US 219 PARSONS

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
2282 - Residential	Station No. 2225+00 LT	US 219 PARSONS
2283 - Residential	Station No. 2225+00 LT	US 219 PARSONS
2284 - Residential	Station No. 2240+00 LT	US 219 PARSONS
2285 - Residential	Station No. 2245+00 LT	US 219 PARSONS
2286 - Residential	Station No. 2245+00 LT	US 219 PARSONS
2287 - Residential	Station No. 2245+00 LT	US 219 PARSONS
2288 - Residential	Station No. 2250+00 LT	US 219 PARSONS
2289 - Residential	Station No. 2250+00 LT	US 219 PARSONS
2290 - Residential	Station No. 2250+00 LT	US 219 PARSONS
2291 - Residential	Station No. 2255+00 RT	US 219 PARSONS
2292 - Residential	Station No. 2255+00 RT	US 219 PARSONS
2293 - Residential	Station No. 2255+00 RT	US 219 PARSONS
2294 - Residential	Station No. 2265+00 RT	US 219 PARSONS
2295 - Residential	Station No. 2265+00 RT	US 219 PARSONS
2296 - Residential	Station No. 2265+00 RT	US 219 PARSONS
2297 - Residential	Station No. 2280+00 RT	US 219 PARSONS
2298 - Residential	Station No. 2280+00 LT	US 219 PARSONS
2299 - Residential	Station No. 2300+00 LT	US 219 PARSONS
2300 - Residential	Station No. 2300+00 LT	US 219 PARSONS
2301 - Residential	Station No. 2300+00 LT	US 219 PARSONS
2302 - Residential	Station No. 2305+00 LT	US 219 PARSONS
2304 - Residential	Station No. 2305+00 LT	US 219 PARSONS
2305 - Residential	Station No. 2305+00 RT	US 219 PARSONS
2306 - Residential	Station No. 2245+00 RT	US 219 PARSONS
2307 - Residential	Station No. 2245+00 RT	US 219 PARSONS
2308 - Residential	Station No. 2240+00 RT	US 219 PARSONS
2309 - Residential	Station No. 2240+00 RT	US 219 PARSONS
2310 - Residential	Station No. 2235+00 RT	US 219 PARSONS

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1565 - Residential	Station No. 7860+00 - RT	VA 55/ FOR 93 (VA)
1566 - Residential	Station No. 7870+00 - RT	VA 55 (VA)
1567 - Residential	Station No. 7880+00 - RT	VA 55 (VA)
1568 - Residential	Station No. 7880+00 - RT	VA 55 (VA)
1569 - Residential	Station No. 7885+00 - RT	VA 55/ VA 609 (VA)
1570 - Residential	Station No. 7900+00 - RT	VA 55/ VA 609 (VA)
1571 - Residential	Station No. 7905+00 - RT	VA 55/ VA 609 (VA)
1572 - Residential	Station No. 7905+00 - LT	VA 55/ VA 609 (VA)
1573 - Residential	Station No. 7910+00 - LT	VA 55/ VA 609 (VA)
1574 - Residential	Station No. 7970+00 - LT	VA 55 (VA)
1575 - Residential	Station No. 8010+00 - RT	VA 55/ VA 603 (VA)
1576 - Residential	Station No. 8025+00 - RT	VA 603/ VA 55 (VA)
1577 - Residential	Station No. 8025+00 - RT	VA 608/ VA 55 (VA)
1579 - Residential	Station No. 8030+00 - RT	VA 603/ VA 55 (VA)
1580 - Residential	Station No. 8030+00 - LT	VA 603/ VA 55 (VA)
1581 - Residential	Station No. 8035+00 - LT	VA 603/ VA 55 (VA)
1582 - Residential	Station No. 8035+00 - RT	VA 603/ VA 55 (VA)
1583 - Residential	Station No. 8040+00 - RT	VA 603/ VA 55 (VA)
1584 - Residential	Station No. 8050+00 - RT	VA 55 (VA)
1585 - Residential	Station No. 8050+00 - RT	VA 55 (VA)
1586 - Residential	Station No. 8040+00 - LT	VA 603/ VA 55 (VA)
1587 - Residential	Station No. 8040+00 - LT	VA 603/ VA 55 (VA)
1588 - Residential	Station No. 8040+00 - LT	VA 603/ VA 55 (VA)
1589 - Residential	Station No. 8040+00 - LT	VA 603/ VA 55 (VA)
1590 - Residential	Station No. 8045+00 - LT	VA 603/ VA 55 (VA)
1591 - Residential	Station No. 8045+00 - LT	VA 603/ VA 55 (VA)
1592 - Residential	Station No. 8040+00 - LT	VA 603/ VA 55 (VA)
1593 - Residential	Station No. 8045+00 - LT	VA 603/ VA 55 (VA)
1594 - Residential	Station No. 8050+00 - LT	VA 603/ VA 55 (VA)
1595 - Residential	Station No. 8050+00 - LT	VA 603/ VA 55 (VA)
1596 - Residential	Station No. 8055+00 - LT	VA 603/ VA 55 (VA)
1597 - Residential	Station No. 8040+00 - RT	VA 55 (VA)
1598 - Residential	Station No. 8050+00 - RT	VA 55 (VA)
1599 - Residential	Station No. 8030+00 - LT	VA 608/ VA 55 (VA)
1600 - Residential	Station No. 8030+00 - LT	VA 608/ VA 55 (VA)
1601 - Residential	Station No. 8030+00 - LT	VA 608/ VA 55 (VA)
1602 - Residential	Station No. 8025+00 - LT	VA 608/ VA 55 (VA)
1603 - Residential	Station No. 8025+00 - LT	VA 608/ VA 55 (VA)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1604 - Residential	Station No. 8060+00 - RT	VA 55/ VA 600 (VA)
1605 - Residential	Station No. 8060+00 - RT	VA 55/ VA 600 (VA)
1606 - Residential	Station No. 8070+00 - RT	VA 55/ VA 600 (VA)
1607 - Residential	Station No. 8070+00 - RT	VA 55/ VA 600 (VA)
1608 - Residential	Station No. 8070+00 - RT	VA 55/ VA 600 (VA)
1609 - Residential	Station No. 8075+00 - RT	VA 55/ VA 600 (VA)
1610 - Residential	Station No. 8080+00 - RT	VA 55/ VA 600 (VA)
1611 - Residential	Station No. 8070+00 - RT	VA 55/ VA 600 (VA)
1612 - Residential	Station No. 8080+00 - LT	VA 55/ VA 600 (VA)
1613 - Residential	Station No. 8070+00 - LT	VA 55/ VA 600 (VA)
1614 - Residential	Station No. 8075+00 - LT	VA 55/ VA 600 (VA)
1615 - Residential	Station No. 8070+00 - LT	VA 55/ VA 600 (VA)
1616 - Residential	Station No. 8085+00 - LT	VA 55/ VA 600 (VA)
1617 - Residential	Station No. 8090+00 - LT	VA 55/ VA 600 (VA)
1618 - Residential	Station No. 8100+00 - RT	VA 55/ VA 600 (VA)
1619 - Residential	Station No. 8075+00 - RT	VA 55/ VA 600 (VA)
1620 - Residential	Station No. 8065+00 - LT	VA 55/ VA 600 (VA)
1621 - Residential	Station No. 8115+00 - RT	VA 55/ VA 604 (VA)
1622 - Residential	Station No. 8120+00 - LT	VA 55/ VA 604 (VA)
1623 - Residential	Station No. 8125+00 - RT	VA 55 (VA)
1624 - Residential	Station No. 8135+00 - RT	VA 55 (VA)
1625 - Residential	Station No. 8140+00 - RT	VA 55 (VA)
1626 - Residential	Station No. 8145+00 - RT	VA 55 (VA)
1627 - Residential	Station No. 8145+00 - RT	VA 55 (VA)
1628 - Residential	Station No. 8160+00 - RT	VA 55 (VA)
1629 - Residential	Station No. 8160+00 - RT	VA 55 (VA)
1630 - Residential	Station No. 8160+00 - RT	VA 55 (VA)
1631 - Residential	Station No. 8155+00 - RT	VA 55 (VA)
1632 - Residential	Station No. 8155+00 - RT	VA 55 (VA)
1633 - Residential	Station No. 8155+00 - RT	VA 55 (VA)
1634 - Residential	Station No. 8160+00 - RT	VA 55 (VA)
1635 - Residential	Station No. 8160+00 - RT	VA 55 (VA)
1636 - Residential	Station No. 8165+00 - RT	VA 55 (VA)
1637 - Residential	Station No. 8170+00 - RT	VA 55 (VA)
1638 - Residential	Station No. 8170+00 - LT	VA 55 (VA)
1639 - Residential	Station No. 8175+00 - LT	VA 55 (VA)
1640 - Residential	Station No. 8180+00 - LT	VA 55 (VA)
1641 - Residential	Station No. 8180+00 - LT	VA 55 (VA)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1642 - Residential	Station No. 8185+00 - LT	VA 55 (VA)
1643 - Residential	Station No. 8165+00 - RT	VA 55 - Laurel Hill (VA)
1644 - Residential	Station No. 8165+00 - RT	VA 55 - Laurel Hill (VA)
1645 - Residential	Station No. 8170+00 - RT	VA 55 - Laurel Hill (VA)
1646 - Residential	Station No. 8170+00 - RT	VA 55 - Laurel Hill (VA)
1647 - Residential	Station No. 8170+00 - RT	VA 55 - Laurel Hill (VA)
1648 - Residential	Station No. 8175+00 - RT	VA 55 - Laurel Hill (VA)
1649 - Residential	Station No. 8175+00 - RT	VA 55 - Laurel Hill (VA)
1650 - Residential	Station No. 8180+00 - RT	VA 55 - Laurel Hill (VA)
1651 - Residential	Station No. 8180+00 - RT	VA 55 - Laurel Hill (VA)
1652 - Residential	Station No. 8180+00 - RT	VA 55 - Laurel Hill (VA)
1653 - Residential	Station No. 8180+00 - RT	VA 55 - Laurel Hill (VA)
1654 - Residential	Station No. 8185+00 - RT	VA 754 - Laurel Hill (VA)
1655 - Residential	Station No. 8185+00 - RT	VA 754 - Laurel Hill (VA)
1656 - Residential	Station No. 8185+00 - RT	VA 754 - Laurel Hill (VA)
1657 - Residential	Station No. 8185+00 - RT	VA 754 - Laurel Hill (VA)
1658 - Residential	Station No. 8185+00 - RT	VA 754 - Laurel Hill (VA)
1659 - Residential	Station No. 8185+00 - RT	VA 754 - Laurel Hill (VA)
1660 - Residential	Station No. 8190+00 - RT	VA 754 - Laurel Hill (VA)
1661 - Residential	Station No. 8190+00 - RT	VA 754 - Laurel Hill (VA)
1662 - Residential	Station No. 8190+00 - RT	VA 754 - Laurel Hill (VA)
1663 - Residential	Station No. 8195+00 - RT	VA 754 - Laurel Hill (VA)
1664 - Residential	Station No. 8195+00 - RT	VA 754 - Laurel Hill (VA)
1665 - Institutional Laurel Hill Christian Church	Station No. 8220+00 - RT	VA 754 - Laurel Hill (VA)
1666 - Residential	Station No. 8220+00 - RT	VA 754 - Laurel Hill (VA)
1667 - Residential	Station No. 8215+00 - RT	VA 754 - Laurel Hill (VA)
1668 - Residential	Station No. 8215+00 - LT	VA 55 - Laurel Hill (VA)
1669 - Residential	Station No. 8210+00 - LT	VA 55 - Laurel Hill (VA)
1670 - Residential	Station No. 8220+00 - LT	VA 55 (VA)
1671 - Residential	Station No. 8220+00 - LT	VA 55 (VA)
1672 - Residential	Station No. 8220+00 - LT	VA 55 (VA)
1673 - Residential	Station No. 8225+00 - LT	VA 55 (VA)
1674 - Residential	Station No. 8225+00 - LT	VA 55 (VA)
1675 - Residential	Station No. 8230+00 - LT	VA 55 (VA)
1676 - Residential	Station No. 8230+00 - LT	VA 55 (VA)
1677 - Residential	Station No. 8235+00 - LT	VA 55 (VA)
1678 - Residential	Station No. 8235+00 - LT	VA 55 (VA)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1679 - Residential	Station No. 8125+00 - RT	VA 55/ VA 604 (VA)
1680 - Residential	Station No. 8110+00 - RT	VA 604/ VA 55 (VA)
1681 - Residential	Station No. 8110+00 - RT	VA 604/ VA 55 (VA)
1682 - Residential	Station No. 8110+00 - LT	VA 604/ VA 55 (VA)
1683 - Residential	Station No. 8110+00 - LT	VA 604/ VA 55 (VA)
1684 - Residential	Station No. 8110+00 - LT	VA 604/ VA 55 (VA)
1685 - Residential	Station No.8190+00 - RT	VA 754/ VA 55 (VA)
1686 - Residential	Station No. 8150+00 - RT	VA 55 (VA)
1687 - Residential	Station No. 8240+00 - LT	VA 55 (VA)
1688 - Residential	Station No. 8170+00 - RT	VA 55 - Laurel Hill (VA)
1689 - Residential	Station No. 8280+00 - LT	VA 714 - Wheatfield (VA)
1690 - Residential	Station No. 8275+00 - LT	VA 714 - Wheatfield (VA)
1691 - Residential	Station No. 8275+00 - LT	VA 623 - Wheatfield (VA)
1692 - Residential	Station No. 8275+00 - LT	VA 55 - Wheatfield (VA)
1693 - Residential	Station No. 8275+00 - LT	VA 55 - Wheatfield (VA)
1694 - Residential	Station No. 8275+00 - LT	VA 55 - Wheatfield (VA)
1695 - Residential	Station No. 8270+00 - LT	VA 55 - Wheatfield (VA)
1696 - Residential	Station No. 8275+00 - LT	VA 55 - Wheatfield (VA)
1697 - Residential	Station No. 8270+00 - LT	VA 55 - Wheatfield (VA)
1698 - Residential	Station No. 8260+00 - LT	VA 714/ VA 55 (VA)
1699 - Residential	Station No. 8260+00 - LT	VA 714/ VA 55 (VA)
1700 - Residential	Station No. 8265+00 - LT	VA 714/ VA 55 (VA)
1701 - Residential	Station No. 8260+00 - LT	VA 714/ VA 55 (VA)
1702 - Residential	Station No. 8250+00 - RT	VA 714 (VA)
1703 - Residential	Station No. 8250+00 - LT	VA 55 (VA)
1704 - Residential	Station No. 8285+00 - LT	VA 55/ VA 755 (VA)
1705 - Residential	Station No. 8280+00 - LT	VA 55 - Wheatfield (VA)
1706 - Residential	Station No. 8275+00 - LT	VA 55 - Wheatfield (VA)
1707 - Residential	Station No. 8295+00 - RT	VA 55/ VA 755 (VA)
1708 - Residential	Station No. 8300+00 - RT	VA 55/ VA 755 (VA)
1709 - Residential	Station No. 8295+00 - LT	VA 55/ VA 755 (VA)
1710 - Residential	Station No. 8290+00 - LT	VA 55/ VA 755 (VA)
1711 - Residential	Station No. 8305+00 - LT	VA 55/ VA 623 (VA)
1712 - Residential	Station No. 8305+00 - LT	VA 55/ VA 623 (VA)
1713 - Residential	Station No. 8310+00 - LT	VA 55/ VA 623 (VA)
1714 - Residential	Station No. 8310+00 - LT	VA 55/ VA 623 (VA)
1715 - Residential	Station No. 8320+00 - LT	VA 623/ VA 55 (VA)
1716 - Residential	Station No. 8320+00 - LT	VA 756/ VA 55 (VA)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1717 - Residential	Station No. 8315+00 - LT	VA 623/ VA 55 (VA)
1718 - Residential	Station No. 8315+00 - LT	VA 623/ VA 55 (VA)
1719 - Residential	Station No. 8315+00 - LT	VA 55/ VA 756 (VA)
1720 - Institutional Church	Station No. 8315+00 - LT	VA 55/ VA 756 (VA)
1721 - Residential	Station No. 8315+00 - LT	VA 55/ VA 756 (VA)
1722 - Residential	Station No. 8315+00 - LT	VA 55 (VA)
1723 - Residential	Station No. 8270+00 - LT	VA 55 - Wheatfield (VA)
1724 - Residential	Station No. 8275+00 - LT	VA 714 - Wheatfield (VA)
1725 - Residential	Station No. 8305+00 - LT	VA 55/ VA 623 (VA)
1726 - Residential	Station No. 8305+00 - LT	VA 628/ VA 55 (VA)
1727 - Residential	Station No. 8305+00 - LT	VA 628/ VA 55 (VA)
1728 - Residential	Station No. 8315+00 - LT	VA 628/ VA 55 (VA)
1729 - Residential	Station No. 8245+00 - LT	VA 55/ VA 714 (VA)
1730 - Residential	Station No. 8245+00 - LT	VA 55/ VA 714 (VA)
1731 - Residential	Station No. 8250+00 - LT	VA 55/ VA 714 (VA)
1732 - Residential	Station No. 8255+00 - LT	VA 55/ VA 714 (VA)
1733 - Residential	Station No. 8290+00 - LT	VA 628 (VA)
1734 - Residential	Station No. 8300+00 - LT	VA 628 (VA)
1735 - Residential	Station No. 8305+00 - LT	VA 628 (VA)
1736 - Residential	Station No. 8300+00 - LT	VA 628 (VA)
1737 - Residential	Station No. 8300+00 - LT	VA 55/ 755 (VA)
1738 - Residential	Station No. 8305+00 - LT	VA 628/ VA 55 (VA)
1739 - Residential	Station No. 8410+00 - RT	VA 55/ VA 628 (VA)
1740 - Residential	Station No. 8415+00 - RT	VA 55/ VA 628 (VA)
1741 - Residential	Station No. 8415+00 - RT	VA 55/ VA 628 (VA)
1742 - Residential	Station No. 8420+00 - RT	VA 55/ VA 628 (VA)
1743 - Residential	Station No. 8420+00 - RT	VA 55/ VA 628 (VA)
1744 - Residential	Station No. 8420+00 - RT	VA 55/ VA 628 (VA)
1745 - Residential	Station No. 8425+00 - RT	VA 55/ VA 628 (VA)
1746 - Residential	Station No. 8430+00 - RT	VA 55/ VA 628 (VA)
1747 - Residential	Station No. 8430+00 - RT	VA 55/ VA 628 (VA)
1748 - Residential	Station No. 8425+00 - RT	VA 55/ VA 628 (VA)
1749 - Residential	Station No. 8430+00 - LT	VA 55/ VA 628 (VA)
1750 - Residential	Station No. 8430+00 - LT	VA 55/ VA 628 (VA)
1751 - Residential	Station No. 8435+00 - LT	VA 55/ VA 628 (VA)
1752 - Residential	Station No. 8440+00 - LT	VA 55/ VA 628 (VA)
1753 - Residential	Station No. 8440+00 - LT	VA 55/ VA 628 (VA)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1754 - Residential	Station No. 8440+00 - LT	VA 55/ VA 628 (VA)
1755 - Residential	Station No. 8445+00 - RT	VA 55/ VA 628 (VA)
1756 - Residential	Station No. 8395+00 - RT	VA 632/ VA 55 (VA)
1757 - Residential	Station No. 8395+00 - RT	VA 632/ VA 55 (VA)
1758 - Residential	Station No. 8390+00 - RT	VA 632/ VA 55 (VA)
1759 - Residential	Station No. 8390+00 - RT	VA 632/ VA 55 (VA)
1760 - Residential	Station No. 8385+00 - RT	VA 632/ VA 55 (VA)
1761 - Institutional Cemetery	Station No. 8385+00 - RT	VA 632/ VA 55 (VA)
1762 - Residential	Station No. 8400+00 - RT	VA 632/ VA 55 (VA)
1763 - Residential	Station No. 8395+00 - RT	VA 632/ VA 55 (VA)
1764 - Institutional Cemetery	Station No. 8400+00 - RT	VA 632/ VA 55 (VA)
1765 - Residential	Station No. 8400+00 - RT	VA 632/ VA 55 (VA)
1766 - Residential	Station No. 8385+00 - RT	VA 632/ VA 55 (VA)
1767 - Residential	Station No. 8365+00 - RT	VA 741/ VA 55 (VA)
1768 - Residential	Station No. 8365+00 - RT	VA 741/ VA 55 (VA)
1769 - Residential	Station No. 8360+00 - LT	VA 55 - Lebanon Church (VA)
1770 - Residential	Station No. 8360+00 - LT	VA 55 - Lebanon Church (VA)
1771 - Residential	Station No. 8355+00 - LT	VA 55 - Lebanon Church (VA)
1772 - Residential	Station No. 8355+00 - LT	VA 55 - Lebanon Church (VA)
1773 - Residential	Station No. 8355+00 - LT	VA 55 - Lebanon Church (VA)
1774 - Residential	Station No. 8330+00 - LT	VA 55 - Lebanon Church (VA)
1775 - Residential	Station No. 8335+00 - LT	VA 55 - Lebanon Church (VA)
1776 - Residential	Station No. 8325+00 - LT	VA 55 - Lebanon Church (VA)
1777 - Residential	Station No. 8325+00 - RT	VA 55 - Lebanon Church (VA)
1778 - Residential	Station No. 8415+00 - RT	VA 628/ VA 55 (VA)
1779 - Residential	Station No. 8370+00 - LT	VA 785 (VA)
1780 - Residential	Station No. 8370+00 - LT	VA 785 (VA)
1781 - Residential	Station No. 8410+00 - LT	VA 629/ VA 631 (VA)
1782 - Residential	Station No. 8415+00 - RT	VA 631/ VA 629 (VA)
1783 - Residential	Station No. 8430+00 - LT	VA 630/ VA 631 (VA)
1784 - Residential	Station No. 8435+00 - LT	VA 630/ VA 631 (VA)
1785 - Residential	Station No. 8445+00 - LT	VA 630/ VA 631 (VA)
1786 - Residential	Station No. 8450+00 - RT	VA 631/ VA 786 (VA)
1787 - Residential	Station No. 8395+00 - LT	VA 629 (VA)
1788 - Residential	Station No. 8395+00 - LT	VA 629 (VA)
1789 - Residential	Station No. 8395+00 - RT	VA 629 (VA)

**APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION**

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1790 - Residential	Station No. 8400+00 - RT	VA 629/ VA 631 (VA)
1791 - Residential	Station No. 8405+00 - RT	VA 629/ VA 631 (VA)
1792 - Residential	Station No. 8405+00 - RT	VA 629/ VA 631 (VA)
1793 - Residential	Station No. 8410+00 - LT	VA 629/ VA 631 (VA)
1794 - Residential	Station No. 8415+00 - LT	VA 629 (VA)
1795 - Residential	Station No. 8425+00 - LT	VA 630/ VA 631 (VA)
1796 - Residential	Station No. 8425+00 - LT	VA 630/ VA 631 (VA)
1797 - Residential	Station No. 8430+00 - LT	VA 630/ VA 631 (VA)
1798 - Residential	Station No. 8430+00 - LT	VA 630/ VA 631 (VA)
1799 - Residential	Station No. 8430+00 - LT	VA 630/ VA 631 (VA)
1800 - Residential	Station No. 8425+00 - RT	VA 630/ VA 631 (VA)
1801 - Residential	Station No. 8425+00 - RT	VA 630/ VA 631 (VA)
1802 - Residential	Station No. 8425+00 - RT	VA 630/ VA 631 (VA)
1803 - Residential	Station No. 8425+00 - RT	VA 630/ VA 631 (VA)
1804 - Residential	Station No. 8430+00 - RT	VA 630/ VA 631 (VA)
1805 - Residential	Station No. 8430+00 - RT	VA 630/ VA 631 (VA)
1806 - Residential	Station No. 8430+00 - RT	VA 630/ VA 631 (VA)
1807 - Residential	Station No. 8435+00 - RT	VA 631 (VA)
1808 - Residential	Station No. 8435+00 - LT	VA 630 (VA)
1809 - Residential	Station No. 8435+00 - LT	VA 630 (VA)
1810 - Residential	Station No. 8440+00 - LT	VA 630 (VA)
1811 - Residential	Station No. 8440+00 - LT	VA 630 (VA)
1812 - Residential	Station No. 8445+00 - LT	VA 630 (VA)
1813 - Residential	Station No. 8445+00 - LT	VA 630 (VA)
1814 - Residential	Station No. 8445+00 - LT	VA 630 (VA)
1815 - Residential	Station No. 8445+00 - LT	VA 630 (VA)
1816 - Residential	Station No. 8445+00 - LT	VA 630 (VA)
1817 - Residential	Station No. 8445+00 - LT	VA 630 (VA)
1818 - Residential	Station No. 8450+00 - LT	VA 630 (VA)
1819 - Residential	Station No. 8450+00 - LT	VA 630 (VA)
1820 - Residential	Station No. 8450+00 - LT	VA 630 (VA)
1821 - Residential	Station No. 8450+00 - LT	VA 630 (VA)
1822 - Residential	Station No. 8450+00 - LT	VA 630 (VA)
1823 - Residential	Station No. 8450+00 - LT	VA 630 (VA)
1824 - Residential	Station No. 8450+00 - LT	VA 630 (VA)
1825 - Residential	Station No. 8445+00 - LT	VA 630 (VA)
1826 - Residential	Station No. 8450+00 - RT	VA 631 (VA)
1827 - Residential	Station No. 8450+00 - RT	VA 631 (VA)

APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1828 - Residential	Station No. 8450+00 - RT	VA 631 (VA)
1829 - Residential	Station No. 8465+00 - LT	VA 622/ VA 660 (VA)
1830 - Residential	Station No. 8470+00 - LT	VA 622/ VA 660 (VA)
1831 - Residential	Station No. 8470+00 - LT	VA 622/ VA 660 (VA)
1832 - Residential	Station No. 8475+00 - LT	VA 622/ VA 660 (VA)
1833 - Residential	Station No. 8475+00 - LT	VA 622/ VA 660 (VA)
1834 - Residential	Station No. 8475+00 - LT	VA 622/ VA 660 (VA)
1835 - Residential	Station No. 8475+00 - LT	VA 622/ VA 660 (VA)
1836 - Residential	Station No. 8480+00 - LT	VA 622/ VA 660 (VA)
1837 - Residential	Station No. 8480+00 - LT	VA 622/ VA 660 (VA)
1838 - Residential	Station No. 8480+00 - LT	VA 622/ VA 660 (VA)
1839 - Residential	Station No. 8480+00 - LT	VA 622/ VA 660 (VA)
1840 - Residential	Station No. 8485+00 - LT	VA 622/ VA 660 (VA)
1841 - Residential	Station No. 8485+00 - LT	VA 622/ VA 660 (VA)
1842 - Residential	Station No. 8485+00 - LT	VA 622/ VA 660 (VA)
1843 - Residential	Station No. 8490+00 - LT	VA 622/ VA 660 (VA)
1844 - Residential	Station No. 8495+00 - LT	VA 622/ VA 660 (VA)
1845 - Residential	Station No. 8460+00 - LT	VA 622 - Clary (VA)
1846 - Residential	Station No. 8460+00 - LT	VA 622 - Clary (VA)
1847 - Residential	Station No. 8460+00 - LT	VA 622 - Clary (VA)
1848 - Residential	Station No. 8460+00 - LT	VA 622 - Clary (VA)
1849 - Residential	Station No. 8460+00 - LT	VA 622 - Clary (VA)
1850 - Institutional Shiloh United Methodist Church	Station No. 8455+00 - LT	VA 55 - Clary (VA)
1851 - Residential	Station No. 8460+00 - LT	VA 55 - Clary (VA)
1852 - Residential	Station No. 8455+00 - LT	VA 55 - Clary (VA)
1853 - Residential	Station No. 8460+00 - LT	VA 55 - Clary (VA)
1854 - Residential	Station No. 8465+00 - LT	VA 55 - Clary (VA)
1855 - Residential	Station No. 8465+00 - LT	VA 55 - Clary (VA)
1856 - Residential	Station No. 8465+00 - LT	VA 55 - Clary (VA)
1857 - Residential	Station No. 8465+00 - LT	VA 55 - Clary (VA)
1858 - Residential	Station No. 8470+00 - LT	VA 55 - Clary (VA)
1859 - Residential	Station No. 8470+00 - LT	VA 55 - Clary (VA)
1860 - Residential	Station No. 8475+00 - LT	VA 55 - Clary (VA)
1861 - Residential	Station No. 8480+00 - LT	VA 55 - Clary (VA)
1862 - Residential	Station No. 8480+00 - LT	VA 55/ I-81 (VA)
1863 - Residential	Station No. 8480+00 - LT	VA 55/ I-81 (VA)

**APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION**

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1864 - Residential	Station No. 8485+00 - LT	VA 55/ I-81 (VA)
1865 - Residential	Station No. 8485+00 - LT	VA 55/ I-81 (VA)
1866 - Residential	Station No. 8495+00 - LT	VA 55/ I-81 (VA)
1867 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1868 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1869 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1870 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1871 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1872 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1873 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1874 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1875 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1876 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1877 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1878 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1879 - Residential	Station No. 8495+00 - RT	VA 622/ I-81 (VA)
1880 - Institutional Moose Lodge	Station No. 8475+00 - RT	VA 622/ I-81 (VA)
1881 - Residential	Station No. 8465+00 - RT	VA 622/ I-81 (VA)
1882 - Residential	Station No. 8460+00 - RT	VA 622 - Clary (VA)
1883 - Residential	Station No. 8460+00 - RT	VA 622 - Clary (VA)
1884 - Residential	Station No. 8460+00 - RT	VA 622 - Clary (VA)
1885 - Residential	Station No. 8460+00 - RT	VA 622 - Clary (VA)
1886 - Residential	Station No. 8455+00 - RT	VA 622 - Clary (VA)
1887 - Residential	Station No. 8455+00 - RT	VA 622 - Clary (VA)
1888 - Residential	Station No. 8465+00 - RT	VA 622 - Clary (VA)
1889 - Residential	Station No. 8465+00 - RT	VA 622 - Clary (VA)
1890 - Residential	Station No. 8455+00 - RT	VA 622 - Clary (VA)
1891 - Residential	Station No. 8455+00 - LT	VA 622 - Clary (VA)
1892 - Residential	Station No. 8460+00 - LT	VA 622 - Clary (VA)
1893 - Residential	Station No. 8455+00 - RT	VA 622 - Clary (VA)
1894 - Residential	Station No. 8455+00 - RT	VA 622 - Clary (VA)
1895 - Residential	Station No. 8455+00 - RT	VA 622 - Clary (VA)
1896 - Residential	Station No. 8455+00 - RT	VA 622 - Clary (VA)
1897 - Residential	Station No. 8455+00 - RT	VA 622 - Clary (VA)
1898 - Residential	Station No. 8455+00 - LT	VA 622/ VA 660 (VA)
1899 - Residential	Station No. 8465+00 - LT	VA 622/ VA 660 (VA)
1900 - Residential	Station No. 8465+00 - LT	VA 622/ VA 660 (VA)

**APPENDIX A
RECEPTOR IDENTIFICATION AND LOCATION**

RECEPTOR ID	STATION NUMBER (general location)	GENERAL LOCATION (nearest road or town, if known)
1901 - Residential	Station No 8485+00 - RT	VA 55/VA 622 (VA)
1902 - Residential	Station No. 8485+00 - LT	VA 660 (VA)
1903 - Residential	Station No. 8495+00 - RT	VA 55/ I-81 (VA)
1904 - Residential	Station No 8460+00 - LT	VA 622/ VA 660 (VA)
1905 - Residential	Station No. 8480+00 - LT	VA 622/ VA 660 (VA)
1906 - Residential	Station No. 8495+00 - LT	VA 660/ I-81 (VA)
2240 - Residential	Station No. 540+00 - LT	Lebanon Church VA 55
2241 - Residential	Station No. 540+00 - LT	Lebanon Church VA 55
2242 - Residential	Station No. 540+00 - LT	Lebanon Church VA 55
2243 - Residential	Station No. 545+00 - LT	Lebanon Church VA 55
2244 - Residential	Station No. 550+00 - LT	Lebanon Church VA 55
2245 - Residential	Station No. 550+00 - RT	Lebanon Church VA 55
2246 - Residential	Station No. 550+00 - RT	Lebanon Church VA 55
2247 - Residential	Station No. 555+00 - RT	Lebanon Church VA 55
2248 - Residential	Station No 560+00 - RT	Lebanon Church VA 55
2249 - Residential	Station No. 560+00 - RT	Lebanon Church VA 55
2250 - Residential	Station No. 506+00 - RT	Lebanon Church VA 55

APPENDIX B

***EXISTING AND PREDICTED
SOUND LEVELS (DBA)***

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1	61	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2	61	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
3	64	67	47	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
4	69	72	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
5	42	42	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
6	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
7	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
8	42	42	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
9	42	42	60	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
10	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
11	43	43	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
12	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
13	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
14	46	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
15	46	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
16	46	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
17	46	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
18	64	67	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
19	56	57	50	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
20	46	49	57	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
21	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
22	46	48	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
23	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
24	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
25	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
26	46	48	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
27	46	48	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
28	46	48	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																				Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church					
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A				
29	42	44	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
30	42	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
31	42	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
32	42	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
33	42	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
34	42	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
35	42	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
36	42	44	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
37	42	44	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
38	42	44	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
39	42	44	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
40	42	44	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
41	42	44	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
42	42	44	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
43	45	47	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
44	45	47	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
45	46	48	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
46	46	48	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
47	46	48	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
48	46	48	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55				
49	46	48	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55				
50	46	48	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56				
51	46	48	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56				
52	46	48	57	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56				
53	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57				
54	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57				
55	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57				
56	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57				

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
57	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
58	46	49	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
59	45	47	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
60	46	48	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
61	46	48	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
62	45	47	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
63	45	47	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
64	46	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
65	48	51	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
66	51	54	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
67	51	54	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
68	52	54	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
69	46	49	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
70	48	51	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
71	51	54	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
72	58	60	62	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
73	51	54	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
75	65	68	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
76	66	68	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
77	66	68	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
78	65	68	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
79	65	68	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
80	66	69	R/W	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
81	66	69	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
82	66	69	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
83	66	69	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
84	42	42	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
85	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																					Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church						
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A					
86	42	42	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58					
87	43	43	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
88	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
89	42	44	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
90	42	44	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
91	62	64	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
92	58	60	62	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54					
95	62	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
96	62	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
97	62	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
98	62	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
100	62	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
101	62	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
102	62	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
103	61	63	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
104	61	63	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
105	60	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
106	60	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
107	60	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
108	60	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
109	69	70	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
110	60	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
111	59	61	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
112	58	59	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
113	57	58	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
114	57	58	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
115	57	58	53	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
116	58	59	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
117	58	59	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
118	58	59	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
119	58	59	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
120	58	59	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
121	58	59	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
122	53	55	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
123	53	55	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
124	55	57	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
125	55	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
126	55	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
127	55	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
128	55	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
129	55	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
130	55	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
131	55	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
132	55	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
133	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
134	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
135	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
136	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
137	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
138	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
139	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
140	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
141	52	54	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
142	52	54	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
143	52	54	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
144	51	53	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
145	51	53	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
146	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
147	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
148	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
149	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
150	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
151	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
152	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
153	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
154	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
155	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
156	49	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
157	48	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
158	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
159	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
160	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
161	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
162	48	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
163	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
164	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
165	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
166	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
167	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
168	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
169	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
170	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
171	48	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
172	48	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
173	48	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
174	48	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
175	48	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
176	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
177	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
178	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
179	47	49	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
180	47	49	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
181	47	49	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
182	47	49	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
183	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
184	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
185	46	48	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
186	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
187	47	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
188	49	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
189	47	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
190	47	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
191	47	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
192	64	67	69	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
193	58	61	64	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
194'	64	67	71	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
195	61	65	71	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
196	57	60	63	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
197	57	60	62	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
198	56	59	60	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
199	51	54	58	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
200	64	67	71	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																			Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church				
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line P	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A			
201	49	52	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51			
202	52	55	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
203	52	55	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
205	52	55	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
206	48	51	55	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
207	66	69	72	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
208	57	60	64	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
209	64	67	70	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
210	56	59	62	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
211	61	64	67	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
212	59	62	65	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
213	61	64	68	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
214	61	64	67	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
215	61	64	67	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
216	61	64	67	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
217	66	69	72	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
218	64	67	69	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
219	66	69	71	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
220	67	70	73	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
221	66	69	72	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
222	58	61	64	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
223	57	60	63	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
224	66	69	70	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55			
225	42	44	54	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60			
226	42	44	44	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W			
227	42	44	44	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68			
228	42	44	64	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70			
229	42	44	44	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W			

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
230	42	44	44	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
231	42	43	43	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
232	42	43	43	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
233	42	43	43	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
234	42	43	63	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
235	42	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
236	42	43	43	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
237	42	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
238	42	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
239	42	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
240	42	43	43	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
241	42	43	43	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
243	42	43	43	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
244	42	43	43	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
245	42	43	43	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
246	42	43	43	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
247	42	43	43	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
248	42	43	43	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
249	42	44	44	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
253	42	43	43	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
254	61	64	67	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
255	52	55	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
256	53	56	59	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
257	42	43	46	43	51	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
258	42	42	45	47	56	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
259	42	43	46	51	60	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
260	42	43	46	48	57	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
261	42	43	46	45	54	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																					Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church						
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A					
262	61	64	67	56	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56					
263	66	69	66	64	54	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64					
264	61	64	69	R/W	53	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W					
265	61	64	67	61	53	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61					
266	40	43	46	48	71	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48					
267	42	43	46	48	63	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48					
268	42	45	48	48	61	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48					
270	42	42	42	44	63	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44					
271	42	42	42	44	63	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44					
272	42	42	42	44	59	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44					
273	42	42	42	44	58	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44					
274	42	42	42	44	58	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44					
275	42	42	42	43	57	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43					
276	42	42	42	43	56	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43					
277	42	42	42	43	55	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43					
278	42	42	42	43	56	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43					
279	42	42	42	43	57	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43					
280	42	42	42	43	58	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43					
281	42	42	42	43	50	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43					
282	42	44	47	48	67	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48					
283	67	70	R/W	55	50	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
284	42	42	45	44	53	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44					
285	42	45	48	57	66	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
286	43	46	49	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63					
287	43	46	49	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62					
288	40	43	46	48	69	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48					
289	40	43	46	48	61	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48					
290	42	42	42	46	67	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46					

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
291	42	42	42	46	66	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
292	42	42	42	44	53	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
293	66	69	72	56	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
294	61	64	66	56	53	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
295	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
296	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
297	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
298	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
299	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
300	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
301	45	45	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
302	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
303	45	45	45	52	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
304	44	44	47	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
305	44	44	47	59	63	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
306	42	45	48	58	62	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
307	43	46	49	55	60	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
308	48	51	54	52	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
309	46	49	52	52	61	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
310	66	69	72	52	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
311	64	67	69	50	53	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
312'	66	69	71	52	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
313	55	58	62	52	70	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
314	52	55	58	50	63	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
315	49	52	55	52	68	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
316	57	60	63	52	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
317	60	63	65	50	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
318	57	60	65	50	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
319	64	67	67	49	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
320	64	67	73	48	49	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
321	49	52	55	48	53	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
322	46	49	55	48	53	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
323	66	69	70	52	61	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
324	60	63	66	52	61	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
325	50	53	56	56	59	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
326	61	64	69	53	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
327	61	64	68	56	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
328	66	69	73	57	55	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
329	66	69	71	57	53	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
330	42	43	44	43	53	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
331	42	44	45	44	58	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
332	42	43	44	43	58	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
333	42	43	44	43	61	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
334	42	44	44	44	57	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
335	42	43	44	43	56	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
336	42	43	44	43	56	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
337	66	69	72	58	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
338	66	69	72	58	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
339	42	44	47	50	44	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
340	54	57	60	56	60	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
341	45	45	45	57	51	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
342	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
343	45	45	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
344	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
345	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
346	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
347	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
348	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
349	45	45	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
350	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
351	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
352	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
353	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
354	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
355	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
356	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
357	45	45	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
358	45	45	45	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
359	45	45	45	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
360	45	45	45	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
361	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
362	45	45	45	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
363	45	45	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
364	45	45	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
365	45	45	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
366	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
367	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
368	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
369	45	45	45	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
370	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
371	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
372	45	45	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
373	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
374	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
375	45	45	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
376	45	45	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
377	45	45	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
378	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
379	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
380	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
381	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
382	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
383	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
384	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
385	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
386	45	45	45	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
387	45	45	45	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
388	45	45	45	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
389	45	45	45	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
390	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
391	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
392	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
393	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
394	45	45	45	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
395	45	45	45	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
397	45	45	45	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
401	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
402	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
403	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
404	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
405	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
406	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
407	45	45	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
408	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
409	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
410	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
411	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
412	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
413	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
414	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
415	68	70	66	56	56	56	54	56	56	56	56	56	56	56	56	56	56	56	56	56	56
416	64	66	62	59	59	59	54	59	59	59	59	59	59	59	59	59	59	59	59	59	59
417	64	66	63	59	59	59	54	59	59	59	59	59	59	59	59	59	59	59	59	59	59
418	61	63	63	59	59	59	54	59	59	59	59	59	59	59	59	59	59	59	59	59	59
419	55	57	63	56	56	56	51	56	56	56	56	56	56	56	56	56	56	56	56	56	56
420	58	60	R/W	57	57	57	54	57	57	57	57	57	57	57	57	57	57	57	57	57	57
421	59	61	R/W	57	57	57	54	57	57	57	57	57	57	57	57	57	57	57	57	57	57
422	58	60	R/W	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
423	54	56	59	R/W	R/W	R/W	57	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
424	58	60	R/W	57	57	57	54	57	57	57	57	57	57	57	57	57	57	57	57	57	57
425	60	62	R/W	57	57	57	54	57	57	57	57	57	57	57	57	57	57	57	57	57	57
426	60	62	R/W	56	56	56	52	56	56	56	56	56	56	56	56	56	56	56	56	56	56
427	63	65	65	57	57	57	54	57	57	57	57	57	57	57	57	57	57	57	57	57	57
428	64	66	65	58	58	58	55	58	58	58	58	58	58	58	58	58	58	58	58	58	58
429	52	54	59	57	57	57	54	57	57	57	57	57	57	57	57	57	57	57	57	57	57
430	59	61	64	56	56	56	54	56	56	56	56	56	56	56	56	56	56	56	56	56	56
431	57	59	62	55	55	55	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55
432	63	65	68	55	55	55	52	55	55	55	55	55	55	55	55	55	55	55	55	55	55
433	63	65	R/W	55	55	55	52	55	55	55	55	55	55	55	55	55	55	55	55	55	55
434	63	65	69	53	53	53	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																						Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church							
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A						
435	59	61	66	53	53	53	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
436	59	61	66	53	53	53	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
437	59	61	65	52	52	52	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52						
438	52	54	58	54	54	54	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54						
439	52	54	58	55	55	55	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55						
440	51	53	56	55	55	55	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55						
441	49	51	54	55	55	55	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55						
442	49	51	54	53	53	53	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
443	54	54	54	55	55	55	52	55	55	55	55	55	55	55	55	55	55	55	55	55	55						
444	54	54	54	53	53	53	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
445	54	54	54	53	53	53	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
446	45	45	45	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54						
447	45	45	46	55	55	55	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55						
448	45	45	45	54	54	54	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54						
449	45	45	45	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54						
450	46	48	51	53	53	53	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
451	46	48	51	53	53	53	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
452	64	66	65	58	58	58	55	58	58	58	58	58	58	58	58	58	58	58	58	58	58						
453	45	45	45	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54						
454	45	45	45	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56						
455	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52						
456	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51						
457	56	57	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52						
458	61	62	67	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52						
459	56	59	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52						
460	57	60	63	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
461	55	58	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55						
462	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59						

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
463	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
464	45	45	45	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
465	45	45	45	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
466	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
467	45	45	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
468	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
469	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
470	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
471	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
472	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
473	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
474	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
475	45	45	45	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
476	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
477	45	45	45	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
478	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
479	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
480	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
481	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
482	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
483	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
484	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
485	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
486	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
487	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
488	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
489	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
490	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
491	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
492	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
493	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
494	45	45	45	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
495	45	45	45	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
496	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
497	45	45	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
498	45	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
499	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
500	45	45	45	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
501	45	45	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
502	45	45	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
503	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
504	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
505	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
506	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
507	45	45	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
508	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
509	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
510	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
511	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
512	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
513	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
514	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
515	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
516	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
517	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
518	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
519	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
520	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
521	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
522	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
523	45	45	45	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
524	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
525	45	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
526	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
527	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
528	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
529	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
530	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
531	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
532	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
533	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
534	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
535	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
536	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
537	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
538	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
539	66	68	69	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
540	66	68	69	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
541	66	68	69	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
542	66	68	69	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
543	67	69	70	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
544	69	71	71	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
545	57	59	60	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
546	65	67	61	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
547	44	46	47	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
548	44	46	47	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
549	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
550	44	46	47	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
551	61	63	60	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
552	57	59	60	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
553	59	61	62	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
554	64	66	67	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
555	54	54	55	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
556	54	54	55	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
557	54	54	55	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
558	54	54	55	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
559	48	48	51	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
560	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
561	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
562	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
563	48	48	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
564	48	48	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
565	48	48	51	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
566	48	48	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
567	48	48	46	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
568	48	48	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
570	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
571	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
572	45	45	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
573	45	45	45	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
574	58	59	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
575	56	57	60	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
576	58	59	63	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
577	48	49	56	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
578	64	65	73	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
579	60	61	68	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
582	54	55	60	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
583	51	52	57	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
585	57	58	73	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
586	45	45	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
587	45	45	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
588	53	53	53	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
589	46	48	51	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
590	53	53	53	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
591	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
592	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
593	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
594	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
595	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
596	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
597	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
598	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
599	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
600	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
601	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
602	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
603	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
604	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
605	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
606	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
607	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
608	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
609	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
610	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
611	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
612	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
613	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
614	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
615	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
616	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
617	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
618	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
619	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
620	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
621	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
622	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
623	42	42	42	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
624	42	42	42	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
626	42	42	42	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
627	42	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
628	42	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
629	42	42	42	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
630	42	42	42	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
631	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
632	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
633	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
634	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
635	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
636	42	42	42	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
637	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
638	42	42	42	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
639	42	42	42	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
640	42	42	42	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
641	42	42	42	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
642	42	42	42	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
643	42	42	42	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
644	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
645	52	54	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
646	58	60	60	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
647	53	53	53	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
648	53	53	53	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
649	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
650	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
651	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
652	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
653	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
654	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
655	54	56	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
656	58	60	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
657	62	64	62	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
658	58	60	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
659	54	56	58	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
660	58	60	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
661	54	56	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
662	58	60	63	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
663	51	53	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
664	51	53	62	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
665	51	53	63	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
666	52	54	68	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
667	52	54	69	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
668	53	53	53	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
669	53	53	53	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
670	53	53	53	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
671	53	53	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
672	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
673	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
674	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
675	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
676	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
677	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
678	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
679	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
680	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
681	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
682	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
683	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
684	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
685	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
686	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
687	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
688	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
689	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
690	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
691	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
692	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
693	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
694	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
695	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
696	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
697	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
698	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
699	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
700	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
701	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
702	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
703	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
704	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
705	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
706	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
707	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
708	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
709	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
710	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
711	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
712	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
713	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
714	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
715	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
716	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
717	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
718	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
719	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
720	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
721	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
722	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
723	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
724	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
725	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
726	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
727	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
728	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
729	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
730	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
731	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
732	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
733	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
734	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
735	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
736	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
737	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
738	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
739	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
740	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
741	58	60	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
742	59	61	58	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
743	57	59	57	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
744	42	42	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
745	42	42	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
746	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
747	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
748	42	42	42	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
749	42	42	42	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
750	42	44	42	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
751	52	54	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
752	55	57	65	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
753	59	61	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
754	58	60	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
755	58	60	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
756	60	62	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
757	47	49	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
758	50	52	57	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
759	56	58	57	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
760	61	63	64	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
761	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
762	42	42	42	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
763	51	53	56	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
764	51	53	56	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
765	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
766	42	42	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
767	42	42	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
768	49	51	54	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
769	46	48	51	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
770	61	63	64	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
771	44	46	53	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
772	44	46	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
773	44	46	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
774	42	44	47	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
775	44	46	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
776	55	57	60	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
777	51	53	56	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
778	55	57	60	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
779	42	42	42	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
780	42	42	42	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
781	42	42	42	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
782	42	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
783	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
784	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
785	42	42	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
786	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
787	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
788	42	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
789	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
790	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
791	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
792	44	44	44	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
793	44	44	44	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
794	44	44	44	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
795	44	44	44	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
796	44	44	44	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
797	44	44	44	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
798	44	44	44	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
799	44	44	44	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
800	53	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
801	49	51	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
802	52	54	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
803	52	54	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
804	52	54	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
805	51	53	53	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
806	44	44	44	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
807	44	44	44	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
808	44	44	44	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
809	47	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
810	47	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
811	47	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
812	47	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
813	47	49	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
814	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
815	46	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
816	46	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
817	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
818	47	49	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
819	47	49	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
820	47	49	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
821	46	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
822	46	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
823	46	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
824	46	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
825	46	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
826	46	48	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
827	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
828	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
829	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
830	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
831	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
832	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
833	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
834	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
835	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
836	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
837	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
838	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
839	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
840	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
841	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
842	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
843	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
844	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
845	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
846	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
847	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
848	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
849	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
850	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
851	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
852	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
853	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
854	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
855	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
856	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
857	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
858	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
859	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
860	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
861	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
862	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
863	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
864	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
865	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
866	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
867	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
868	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
869	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
870	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
871	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
872	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
873	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
874	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
875	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
876	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
877	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
878	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
879	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
880	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
881'	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
882	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
883	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
884	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
885	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
886	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
887	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
888	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
889	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
890	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
891	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
892	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
893	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
894	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
895	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
896	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
897	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
898	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
899	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
900	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
901	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
902	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
903	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
904	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
905	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
906	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
907	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
908	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
909	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
910	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
911	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
912	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
913	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
914	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
915	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
916	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
917	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
918	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
919	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
920	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
921	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
922	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
923	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
924	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
925	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
926	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
927	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
928	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
929	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
930	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
931	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
932	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
933	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
934	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
935	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
936	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
937	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
938	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
939	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
940	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
941	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
942	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
943	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
944	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
945	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
946	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
947	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
948	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
949	45	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
950	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
951	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
952	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
953	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
954	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
955	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
956	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
957	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
958	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
959	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
960	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
961	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
962	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
963	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
964	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
965	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
966	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
967	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
968	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
969	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
970	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
971	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
972	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
973	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
974	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
975	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
976	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
977	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
978	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
979	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
980	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
981	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
982	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
983	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
984	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
985	46	48	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
986	46	49	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
987	59	62	70	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
988	42	45	51	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
989	54	57	64	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
990	46	49	55	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
991	42	45	48	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
992	42	45	48	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
993	42	44	47	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
994	42	44	47	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
995	42	42	45	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
996	42	44	47	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
997	42	44	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
998	42	44	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
999	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1000	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1001	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1002	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1003	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1004	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1005	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1006	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1007	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1008	42	45	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1009	42	45	48	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1010	43	46	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1011	43	46	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1012	46	49	52	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1013	46	49	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1014	46	49	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1015	43	46	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1016	43	46	49	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1017	46	49	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1018	46	49	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1019	47	50	56	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1020	51	54	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1021	48	51	57	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1022	51	54	61	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1023	56	59	65	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1024	51	54	60	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1025	49	52	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1026	48	51	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1027	52	55	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1028	42	42	42	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1029	51	54	53	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1030	44	47	55	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1031	50	53	58	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1032	52	55	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1033	51	54	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1034	48	51	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1035	42	42	55	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1036	43	46	52	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1037	43	46	52	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1038	48	51	52	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1039	48	51	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1040	50	53	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1041	50	53	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1042	53	56	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1043	51	54	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1044	61	64	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1045	55	58	57	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1046	49	52	62	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1047	42	45	57	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1048	44	48	55	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1049	51	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1050	52	55	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1051	48	51	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1052	48	51	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1053	47	50	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1054	48	51	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1055	54	57	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1056	54	57	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1057	54	57	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1058	49	52	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1059	48	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1060	54	57	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1061	47	50	54	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1062	48	51	53	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1063	42	45	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1064	42	45	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1065	42	42	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1066	42	42	42	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1067	42	42	42	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1068	42	42	42	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1069	42	42	42	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1070	42	42	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1071	42	42	42	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1072	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1073	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1074	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1075	56	59	56	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1076	56	59	56	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1077	57	60	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1078	47	50	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1079	42	45	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1080	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1081	42	45	42	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1082	57	60	57	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1083	52	55	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1084	42	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1085	56	59	60	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1086	56	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1087	58	61	58	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
1088	56	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1089	58	61	59	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1090	56	59	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1091	56	59	59	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1092	56	59	56	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1093	42	42	42	57	57	57	57	57	R/W	57	57	57	57	57	57	57	57	57	57	57	57
1094	42	42	42	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
1095	42	42	60	52	52	52	52	52	48	52	52	52	52	52	52	52	52	52	52	52	52
1096	42	42	60	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1097	42	42	62	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1098	42	42	42	55	55	55	55	55	59	55	55	55	55	55	55	55	55	55	55	55	55
1099	42	42	42	55	55	55	55	55	57	55	55	55	55	55	55	55	55	55	55	55	55
1100	60	60	60	56	56	56	56	56	R/W	56	56	56	56	56	56	56	56	56	56	56	56
1101	60	60	60	57	57	57	57	57	R/W	57	57	57	57	57	57	57	57	57	57	57	57
1102	50	50	50	52	52	52	52	52	49	52	52	52	52	52	52	52	52	52	52	52	52
1103	42	42	42	55	55	55	55	55	60	55	55	55	55	55	55	55	55	55	55	55	55
1104	42	42	42	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1105	42	42	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1106	42	42	42	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1107	42	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1108	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1109	42	42	42	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1110	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1111	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1112	42	42	42	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1113	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1114	42	42	42	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1115	42	42	42	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1116	42	42	42	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1117	42	42	42	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1118	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1119	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1120	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1121	42	42	42	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1122	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1123	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1124	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1125	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1126	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1127	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1128	60	60	60	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1129	44	44	44	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1130	60	60	60	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1131	60	60	60	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1132	57	57	57	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1133	58	58	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1134	58	58	58	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1135	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1136	57	57	57	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1137	58	58	58	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1138	42	42	42	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1139	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52

*Lghman
Hoyle*

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1140	42	42	42	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1141	42	42	42	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1142	42	42	42	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1143	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1144	42	42	42	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1145	42	42	42	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1146	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1147	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1148	42	42	42	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1149	45	48	51	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1150	64	67	70	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1151	51	54	70	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1152	61	64	67	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1153	55	58	61	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1154	48	51	54	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1155	48	51	54	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1156	46	49	52	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1157	46	49	52	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1158	64	67	72	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1159	61	64	66	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1160	53	56	60	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1161	59	62	65	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1162	64	67	71	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1163	54	57	63	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1164	64	67	70	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1165	43	43	43	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1166	43	43	43	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
1167	43	43	43	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1168	43	43	43	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1169	43	43	43	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1170	43	43	43	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1171	43	43	43	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1172	43	43	43	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1173	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1174	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1175	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1176	43	43	43	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1177	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1178	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1179	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1180	43	43	43	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1181	43	43	43	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1182	43	43	43	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1183	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1184	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1185	43	43	43	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1186	43	43	43	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1187	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1188	43	43	43	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1189	43	43	43	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1190	43	43	43	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1191	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1192	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1193	43	43	43	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1194	43	43	43	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1195	43	43	43	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1196	43	43	43	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1197	43	43	43	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1198	43	43	43	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1199	59	61	59	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1200			R/W	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1201	56	58	49	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1202	65	67	52	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1203	65	67	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1204	65	67	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1205	65	67	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1206	62	64	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1207	62	64	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1208	65	67	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1209	65	67	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1210	54	56	59	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1211	63	65	56	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1212	65	67	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1213	65	67	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1214	64	66	56	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1215	65	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1216	51	53	52	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1217	57	59	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1218	57	59	57	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1219	42	42	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1220	49	51	55	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1221	61	63	69	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1222	56	58	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1223	58	60	62	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1224	61	63	61	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1225	57	59	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1226	54	56	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1227	49	51	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1228	51	53	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1229	42	44	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1230	56	58	63	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1231	55	57	63	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1232	51	53	57	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1233	61	63	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1234	61	63	64	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1235	61	63	63	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1236	42	44	49	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1237	47	49	56	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1238	43	43	50	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1239	42	42	55	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1240	42	42	46	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1241	57	59	66	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1242	52	54	60	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1243	62	64	70	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1244	59	61	66	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1245	54	56	62	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1246	60	62	66	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1247	60	62	69	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1248	60	62	70	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1249	56	58	66	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1250	60	62	70	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1251	60	62	69	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1252	60	62	68	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
1253	57	59	65	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1254	60	62	70	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1255	60	62	70	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1256	59	61	66	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1257	50	52	60	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1258	55	57	63	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1259	52	54	60	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1260	42	43	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1261	62	64	48	58	58	58	58	58	58	58	58	58	54	58	58	58	58	58	58	58	58
1262	44	46	42	56	56	56	56	56	56	56	56	56	52	56	56	56	56	56	56	56	56
1263	51	53	59	56	56	56	56	56	56	56	56	56	52	56	56	56	56	56	56	56	56
1264	53	55	59	56	56	56	56	56	56	56	56	56	52	56	56	56	56	56	56	56	56
1265	53	55	60	56	56	56	56	56	56	56	56	56	51	56	56	56	56	56	56	56	56
1266	51	53	52	58	58	58	58	58	58	58	58	58	52	58	58	58	58	58	58	58	58
1267	53	55	62	69	69	69	69	69	69	69	69	69	50	69	69	69	69	69	69	69	69
1268	60	62	69	71	71	71	71	71	71	71	71	71	50	71	71	71	71	71	71	71	71
1269	55	57	61	60	60	60	60	60	60	60	60	60	49	60	60	60	60	60	60	60	60
1270	55	57	64	58	58	58	58	58	58	58	58	58	49	58	58	58	58	58	58	58	58
1271	53	55	42	59	59	59	59	59	59	59	59	59	52	59	59	59	59	59	59	59	59
1272	55	57	62	58	58	58	58	58	58	58	58	58	54	58	58	58	58	58	58	58	58
1273	50	52	58	64	64	64	64	64	64	64	64	64	63	64	64	64	64	64	64	64	64
1274	61	63	71	60	60	60	60	60	60	60	60	60	59	60	60	60	60	60	60	60	60
1275	45	45	45	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1277	51	53	59	64	64	64	64	64	64	64	64	64	51	64	64	64	64	64	64	64	64
1278	60	62	53	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1279	47	49	51	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1280	65	67	70	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1281	42	42	42	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1283	50	52	58	61	61	61	61	61	61	61	61	61	61	51	61	61	61	61	61	61	61
1284	45	46	49	52	52	52	52	52	52	52	52	52	46	52	52	52	52	52	52	52	52
1285	45	46	49	52	52	52	52	52	52	52	52	52	46	52	52	52	52	52	52	52	52
1286	49	51	56	55	55	55	55	55	55	55	55	55	52	55	55	55	55	55	55	55	55
1287	47	49	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1288	51	53	57	54	54	54	54	54	54	54	54	54	54	53	54	54	54	54	54	54	54
1289	51	53	58	54	54	54	54	54	54	54	54	54	53	54	54	54	54	54	54	54	54
1290	46	48	56	53	53	53	53	53	53	53	53	53	56	53	53	53	53	53	53	53	53
1291	46	48	56	53	53	53	53	53	53	53	53	53	56	53	53	53	53	53	53	53	53
1292	47	49	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1293	52	54	58	53	53	53	53	53	53	53	53	53	56	53	53	53	53	53	53	53	53
1294	52	54	58	54	54	54	54	54	54	54	54	54	55	54	54	54	54	54	54	54	54
1295	52	54	58	54	54	54	54	54	54	54	54	54	55	54	54	54	54	54	54	54	54
1296	52	54	57	58	58	58	58	58	58	58	58	58	53	58	58	58	58	58	58	58	58
1297	47	49	55	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1298	61	63	68	54	54	54	54	54	54	54	54	54	R/W	54	54	54	54	54	54	54	54
1299	49	51	58	57	57	57	57	57	57	57	57	57	56	57	57	57	57	57	57	57	57
1300	47	49	55	59	59	59	59	59	59	59	59	59	54	59	59	59	59	59	59	59	59
1301	45	47	54	59	59	59	59	59	59	59	59	59	55	59	59	59	59	59	59	59	59
1302	52	54	61	53	53	53	53	53	53	53	53	53	58	53	53	53	53	53	53	53	53
1303	57	59	66	54	54	54	54	54	54	54	54	54	62	54	54	54	54	54	54	54	54
1304	54	56	62	54	54	54	54	54	54	54	54	54	64	54	54	54	54	54	54	54	54
1305	57	59	64	54	54	54	54	54	54	54	54	54	66	54	54	54	54	54	54	54	54
1306	61	63	68	55	55	55	55	55	55	55	55	55	68	55	55	55	55	55	55	55	55
1307	63	65	73	56	56	56	56	56	56	56	56	56	63	56	56	56	56	56	56	56	56
1308	58	60	67	56	56	56	56	56	56	56	56	56	63	56	56	56	56	56	56	56	56
1309	55	57	64	56	56	56	56	56	56	56	56	56	60	56	56	56	56	56	56	56	56

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1310	46	48	55	55	55	55	55	55	55	55	55	55	65	55	55	55	55	55	55	55	55
1311	55	57	61	51	51	51	51	51	51	51	51	51	55	51	51	51	51	51	51	51	51
1312	56	58	63	51	51	51	51	51	51	51	51	51	55	51	51	51	51	51	51	51	51
1313	53	55	59	52	52	52	52	52	52	52	52	52	53	52	52	52	52	52	52	52	52
1314	53	55	59	50	50	50	50	50	50	50	50	50	52	50	50	50	50	50	50	50	50
1315	60	62	63	70	70	70	70	70	70	70	70	70	70	70	55	70	70	70	70	70	70
1316	62	64	65	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1317	63	65	71	64	64	64	64	64	64	64	64	64	64	64	59	64	64	64	64	64	64
1318	42	42	48	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1319	44	46	56	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1320	46	48	57	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1321	51	53	60	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1322	48	50	58	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1323	61	63	69	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1324	55	57	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1325	42	43	52	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1326	55	57	68	60	60	60	60	60	60	60	60	60	60	60	57	60	60	60	60	60	60
1327	55	57	68	60	60	60	60	60	60	60	60	60	60	60	57	60	60	60	60	60	60
1328	55	57	58	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1329	54	56	60	55	55	55	55	55	55	55	55	55	55	55	54	55	55	55	55	55	55
1330	42	42	47	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1331	56	58	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1332	45	47	62	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1333	57	59	58	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
1334	43	45	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1335	43	45	47	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1336	43	45	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1337	42	42	48	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																			Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church				
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A			
1338	43	45	54	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51			
1339	54	56	60	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55			
1340	57	59	R/W	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58			
1341	43	43	44	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
1342	43	43	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
1343	43	43	44	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55			
1344	43	43	44	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51			
1345	43	43	44	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
1346	43	43	44	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
1347	43	43	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
1348	43	43	44	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56			
1349	43	43	44	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55			
1350	43	43	44	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
1351	43	43	44	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67			
1352	61	63	69	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
1353	49	51	59	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57			
1354	49	51	60	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57			
1355	49	51	66	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59			
1356	60	62	58	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59			
1357	53	55	62	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60			
1358	43	43	43	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54			
1359	66	68	71	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
1360	66	68	71	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
1361	66	68	71	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
1362	60	62	65	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
1363	66	68	71	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			
1364	43	43	43	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59			
1365	66	68	71	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53			

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																	Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church		
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A	
1366	65	67	74	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
1367	64	66	67	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
1368	64	66	67	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
1369	55	57	66	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
1370	65	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
1371	57	59	59	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
1372	55	57	59	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
1373	52	54	55	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
1374	63	65	70	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
1375	63	65	70	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
1376	63	65	70	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
1377	63	65	70	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
1378	66	68	71	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
1379	66	68	71	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
1381	62	64	73	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
1382	60	62	69	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
1383	64	66	67	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
1384	64	66	67	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
1385	52	54	62	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
1386	55	57	58	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
1387	64	66	67	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
1388	60	62	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
1389	60	62	59	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
1390	60	62	59	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
1391	65	67	61	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	
1392	62	64	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
1393	56	58	59	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
1394	60	62	60	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1395	60	62	60	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1396	56	58	59	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1397	45	46	54	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1398	50	52	57	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1399	50	52	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1400	43	43	43	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
1401	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1402	43	43	43	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1403	43	43	43	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1404	43	43	43	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1405	43	43	43	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1406	43	43	43	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1407	43	43	43	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1408	43	43	43	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1409	42	42	42	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1410	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1411	42	42	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1412	42	42	42	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1413	44	44	44	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1414	43	43	43	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1415	45	45	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1416	47	47	47	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1417	44	44	44	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1418	52	52	52	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1419	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1420	53	53	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1421	56	56	56	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1422	56	56	56	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1423	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1424	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1425	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1426	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1427	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1428	56	56	55	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1429	55	55	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1430	56	56	56	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1431	56	56	56	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1432	56	56	56	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1433	56	56	56	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1434	56	56	56	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1435	49	49	49	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1436	49	49	49	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1437	49	49	49	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1438	55	55	55	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1439	57	57	57	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1440	57	57	57	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1441	50	50	50	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1442	59	59	59	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1443	59	59	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1444	59	59	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1445	58	58	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1446	58	58	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1447	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1448	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1449	59	59	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1450	59	59	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																				Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church					
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A				
1451	52	52	52	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59				
1452	52	52	52	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60				
1453	42	42	42	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59				
1454	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1455	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1456	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1457	57	57	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1458	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60				
1459	60	60	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61				
1460	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60				
1461	59	55	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60				
1462	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60				
1463	60	62	65	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63				
1464	55	55	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57				
1465	57	58	61	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59				
1466	57	58	61	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59				
1467	58	60	63	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61				
1468	60	62	65	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62				
1469	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
1470	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
1471	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
1472	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
1473	64	66	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
1474	65	67	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
1475	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67				
1476	69	71	74	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69				
1477	69	71	74	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69				
1478	69	71	74	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69				

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1479	69	71	74	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
1480	69	71	74	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
1481	64	66	69	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1482	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1483	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1484	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1485	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1486	50	52	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1487	49	51	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1488	48	50	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1489	47	48	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1490	44	44	47	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1491	43	43	50	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1492	43	43	43	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1493	42	42	42	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1494	42	42	42	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1495	61	63	66	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1496	46	48	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1497	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1498	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1499	57	58	61	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1500	67	69	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1501	60	62	65	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1502	64	66	69	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1503	64	66	69	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1504	46	46	46	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1505	46	46	46	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1506	46	46	46	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																					Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church						
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A					
1507	52	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54					
1508	58	58	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
1509	52	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54					
1510	60	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63					
1512	53	55	56	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58					
1513	51	53	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1514	42	42	49	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
1515	42	42	49	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1516	42	42	46	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61					
1517	52	54	57	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1518	58	60	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
1519	50	52	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1520	51	53	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1521	51	53	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1522	51	53	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1523	51	53	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1524	50	52	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1526	51	53	56	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54					
1527	66	68	71	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66					
1529	48	50	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
1530	49	51	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
1531	49	51	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
1532	49	51	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
1533	49	51	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
1534	49	51	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
1535	60	62	65	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
1536	58	60	63	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
1537	57	59	62	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1538	56	58	61	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1539	60	62	64	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1540	58	58	58	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1541	58	58	58	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1542	45	45	45	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1543	58	58	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1544	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1545	42	42	42	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1546	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1547	49	49	49	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1548	50	50	50	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1549	52	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1550	47	47	47	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1551	42	42	42	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1552	42	42	42	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1553	42	42	42	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1554	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1555	42	42	42	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1556	52	54	42	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1558	42	42	63	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1559	42	42	66	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1560	61	63	59	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1561	57	59	63	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1562	44	46	54	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1563	44	46	53	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1564	42	42	51	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
1565	49	51	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1566	52	55	62	54	54	54	54	54	54	54	54	54	54	54	54	54	60	54	54	54	54

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1567	51	53	57	53	53	53	53	53	53	53	53	53	53	53	53	53	59	53	53	53	53
1568	53	56	60	56	56	56	56	56	56	56	56	56	56	56	56	56	64	56	56	56	56
1569	52	55	57	53	53	53	53	53	53	53	53	53	53	53	53	53	59	53	53	53	53
1570	50	53	57	55	55	55	55	55	55	55	55	55	55	55	55	55	60	55	55	55	55
1571	56	59	63	56	56	56	56	56	56	56	56	56	56	56	56	56	60	56	56	56	56
1572	43	45	49	50	50	50	50	50	50	50	50	50	50	50	50	50	R/W	50	50	50	50
1573	43	45	49	51	51	51	51	51	51	51	51	51	51	51	51	51	R/W	51	51	51	51
1574	42	44	48	51	51	51	51	51	51	51	51	51	51	51	51	51	51	46	51	51	51
1575	48	50	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	56	53	53	53
1576	54	56	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1577	51	53	57	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	60	60	60
1579	51	53	57	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1580	44	46	50	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	55	R/W	R/W	R/W
1581	44	46	50	66	66	66	66	66	66	66	66	66	66	66	66	66	66	55	66	66	66
1582	48	50	57	59	59	59	59	59	59	59	59	59	59	59	59	59	59	R/W	59	59	59
1583	48	50	57	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1584	61	63	67	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1585	61	63	67	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1586	42	44	49	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	59
1587	44	46	50	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	60	R/W	R/W	R/W
1588	43	45	49	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	60	60
1589	42	44	48	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	59
1590	42	44	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1591	42	43	47	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1592	42	42	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1593	42	43	47	50	50	50	50	50	50	50	50	50	50	50	50	50	52	52	50	50	50
1594	42	43	47	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1595	42	43	47	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA					
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church		
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A	
1596	42	43	47	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
1597	47	49	53	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	55	52	52	52
1598	43	45	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	51	51
1599	42	42	46	57	57	57	57	57	57	57	57	57	57	57	57	57	57	52	57	57	57	57
1600	42	42	46	55	55	55	55	55	55	55	55	55	55	55	55	55	55	50	55	55	55	55
1601	42	42	46	53	53	53	53	53	53	53	53	53	53	53	53	53	53	48	53	53	53	53
1602	42	42	46	51	51	51	51	51	51	51	51	51	51	51	51	51	51	46	51	51	51	51
1603	42	42	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	47	52	52	52	52
1604	59	61	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1605	55	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1606	53	55	60	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1607	59	61	66	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1608	66	68	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1609	45	44	68	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1610	45	47	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1611	42	43	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
1612	44	46	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1613	42	42	46	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1614	42	42	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1615	42	42	46	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1616	42	42	46	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
1617	47	49	53	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1618	58	60	68	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1619	64	66	70	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1620	42	42	46	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1621	59	61	67	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1622	48	50	54	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1623	61	63	68	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1624	57	59	62	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1625	52	54	58	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1626	56	58	62	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1627	52	54	58	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1628	46	48	52	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1629	49	51	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1630	61	63	R/W	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1631	59	61	64	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1632	59	61	64	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1633	55	57	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1634	55	57	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1635	44	46	50	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1636	43	45	49	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1637	43	45	49	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
1638	42	42	46	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1639	42	42	46	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1640	42	42	46	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1641	42	42	46	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1642	42	42	46	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1643	58	60	64	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1644	58	60	64	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1645	61	63	66	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1646	65	67	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1647	60	62	66	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1648	58	60	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1649	59	61	67	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1650	58	60	64	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1651	58	60	66	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV																			Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church					
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A				
1652	65	67	70	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65				
1653	64	66	68	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64				
1654	64	66	68	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64				
1655	56	58	62	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56				
1656	63	65	67	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63				
1657	52	54	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1658	54	56	60	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
1659	49	51	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49				
1660	58	60	63	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1661	49	51	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49				
1662	49	51	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49				
1663	49	51	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49				
1664	49	51	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49				
1665	49	51	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49				
1666	49	51	55	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61				
1667	56	58	62	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60				
1668	65	67	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W				
1669	45	47	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1670	56	58	62	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56				
1671	56	58	63	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56				
1672	53	55	59	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1673	63	65	69	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63				
1674	62	64	67	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62				
1675	62	64	66	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62				
1676	61	63	65	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61				
1677	55	57	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55				
1678	60	62	67	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60				
1679	53	55	59	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W				

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																					Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church						
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A					
1680	44	46	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51					
1681	45	47	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
1682	45	47	51	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
1683	44	46	50	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1684	42	43	47	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
1685	49	51	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49					
1686	51	53	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51					
1687	60	62	66	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
1689	44	46	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50					
1690	45	47	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51					
1691	45	47	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	51	49					
1692	56	58	63	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54					
1693	60	62	68	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1694	63	65	70	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1695	62	64	68	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57					
1696	56	58	63	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58					
1697	59	61	63	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56					
1698	63	65	70	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53					
1699	63	65	67	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52		52					
1700	62	64	64	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55					
1701	45	47	50	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62					
1702	42	42	45	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	62	51					
1703	60	62	64	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	51	60					
1704	56	58	63	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	68	59					
1705	52	54	58	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	66	63					
1706	60	62	R/W	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
1707	54	56	61	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	53	R/W					
1708	46	48	51	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54					

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1709	46	48	53	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55
1710	42	44	60	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	56	52
1711	53	55	60	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	50	57
1712	58	60	64	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	49	58
1713	65	67	69	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	48	57
1714	43	45	48	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	47	57
1715	42	44	47	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	46	61
1716	45	47	50	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	46	62
1717	49	51	55	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	47	64
1718	51	53	58	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	47	63
1719	60	62	67	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	47	55
1720	68	70	R/W	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	47	54
1721	67	64	R/W	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	47	54
1722	45	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	51	47
1723	58	60	63	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1724	58	60	63	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1725	53	55	62	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	50	55
1726	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	56	43
1727	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	56	43
1728	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	59	43
1729	50	52	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1730	53	55	59	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1731	53	55	59	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1732	53	55	59	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1733	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	52	43
1734	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	52	43
1735	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	58	43
1736	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	64	43

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																				Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church					
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A				
1737	52	54	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1738	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	55	42				
1739	56	58	63	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1740	50	52	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51				
1741	52	54	59	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51				
1742	59	61	64	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1743	64	66	69	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1744	53	55	59	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51				
1745	65	67	71	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1746	65	67	71	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1747	63	65	68	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1748	63	65	68	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1749	53	55	59	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51				
1750	63	65	68	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1751	63	65	68	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1752	63	65	65	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55				
1753	64	66	67	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55				
1754	66	66	67	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55				
1755	42	42	44	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1756	43	45	47	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50				
1757	44	46	48	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51				
1758	47	49	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1759	47	49	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1760	50	52	57	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53				
1761	51	53	57	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				
1762	65	67	R/W	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57				
1763	48	50	52	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69				
1764	47	49	55	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51				

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1765	58	60	64	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1766	50	52	56	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1767	50	52	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1768	50	52	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1769	64	66	R/W	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1770	64	66	71	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1771	63	65	69	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1772	68	70	R/W	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1773	62	64	69	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
1774	44	46	50	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1775	43	45	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1776	54	56	61	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1777	42	42	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1778	51	53	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1779	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	60	45
1780	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	64	45
1781	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	62	45
1782	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	65	45
1783	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	59	45
1784	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	57	45
1785	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	57	45
1786	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	51	45
1787	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45
1788	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45
1789	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	61	45
1790	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	55	45
1791	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	59	45
1792	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	51	45

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line P	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1793	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	55	45
1794	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	51	45
1795	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	51	45
1796	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	65	45
1797	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	65	45
1798	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	65	45
1799	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	59	45
1800	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	65	45
1801	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	65	45
1802	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	55	45
1803	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45
1804	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	63	45
1805	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	60	45
1806	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	58	45
1807	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	58	45
1808	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	56	45
1809	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	57	45
1810	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	53	45
1811	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	50	45
1812	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45
1813	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	53	45
1814	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	55	45
1815	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	55	45
1816	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	55	45
1817	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45
1818	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	51	45
1819	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	51	45
1820	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45

Note: Shaded areas warrent noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1821	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45
1822	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45
1823	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	53	45
1824	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	55	45
1825	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	57	45
1826	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	56	45
1827	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	53	45
1828	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	52	45
1829	48	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	57	49
1830	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	60	50
1831	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	61	50
1832	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	64	50
1833	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	67	51
1834	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	58	50
1835	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	68	52
1836	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	R/W	52
1837	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	R/W	52
1838	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	69	52
1839	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	63	53
1840	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	62	53
1841	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	66	53
1842	51	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	60	53
1843	51	53	59	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	59	53
1844	56	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	61	58
1845	54	56	56	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	53	50
1846	47	49	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	52	51
1847	53	55	55	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	54	49
1848	53	55	57	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	56	52

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1849	53	55	59	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
1850	62	64	70	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1851	62	64	70	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1852	65	67	R/W	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1853	59	61	67	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1854	62	64	70	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1855	62	64	71	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1856	60	62	68	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1857	58	60	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1858	62	64	69	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1859	60	62	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1860	60	62	67	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1861	65	67	70	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1862	56	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1863	60	62	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1864	63	65	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
1865	61	63	68	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1866	63	65	66	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
1867	65	67	67	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1868	59	61	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1869	62	64	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1870	59	61	63	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
1871	57	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1872	61	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1873	57	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1874	56	58	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
1875	54	56	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1876	56	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1877	56	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1878	55	57	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1879	55	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1880	52	54	54	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1881	50	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1882	48	50	50	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1883	48	50	50	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1884	48	50	50	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1885	48	50	50	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1886	48	50	50	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1887	48	50	50	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1888	51	53	53	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1889	51	53	53	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1890	44	46	46	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
1891	46	48	51	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
1892	46	48	51	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1893	47	49	52	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1894	50	52	55	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
1895	52	54	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1896	54	56	60	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1897	61	63	67	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
1898	48	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	57	49
1899	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	60	50
1900	48	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	61	49
1901	53	55	55	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1902	53	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	59	55
1903	64	66	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
1904	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	58	50

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																				Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church					
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A				
1905	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52				
1906	56	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1908	61	64	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1909	61	64	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1910	61	64	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1911	61	64	68	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55				
1912	59	61	64	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55				
1913	62	64	69	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1914	66	69	71	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1915	61	64	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1916	61	64	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1917	61	64	66	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1918	61	64	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1919	61	64	66	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1920	61	64	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1921	61	64	68	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1922	59	62	66	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1923	61	64	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1924	60	63	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1925	64	67	69	62	52	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62				
1926	69	72	73	58	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1927	69	72	73	58	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1928	60	63	67	62	52	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62				
1929	66	69	71	62	52	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62				
1930	62	65	69	62	52	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62				
1931	65	68	69	58	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1932	69	72	73	58	53	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58				
1933	53	56	58	54	50	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54				

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1934	57	60	62	54	51	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1935	69	72	65	54	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1939	69	72	75	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1940	69	72	73	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
1941	66	69	71	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1942	64	67	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1943	64	67	69	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1944	55	58	67	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1945	66	69	62	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1946	66	69	66	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1947	66	69	62	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1948	66	69	62	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1949	64	67	61	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1950	59	62	61	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1951	60	63	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
1952	66	69	68	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1954	53	56	59	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
1955	66	69	68	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1956	55	58	62	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1957	64	67	66	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
1958	69	72	75	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
1959	66	69	71	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
1960	61	64	67	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1961	59	62	65	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
1962	57	60	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
1963	61	64	67	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
1964	55	58	62	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
1965	55	58	62	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																					Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church						
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A					
1966	66	69	70	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64					
1967	53	56	59	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51					
1968	54	57	61	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
1970	66	69	67	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64					
1971	57	60	63	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1972	61	64	67	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1973	61	64	68	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1974	61	64	67	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1975	61	64	65	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1976	61	64	66	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1977	61	64	65	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1978	61	64	65	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1979	61	64	65	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1980	68	71	73	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1981	61	64	66	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1982	61	64	66	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
1983	69	72	77	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
1984	69	72	77	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
1985	64	67	69	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62					
1987	65	68	70	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63					
1988	59	62	66	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
1989	54	57	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
1990	53	56	60	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51					
1992	57	60	42	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
1993	68	71	75	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66					
1994	55	58	62	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
1995	55	58	62	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
1996	52	55	58	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50					

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
1997	55	57	60	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
1998	69	71	75	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
1999	52	54	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
2000	61	63	66	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2001	64	66	68	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2002	56	58	58	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2003	69	71	62	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
2004	54	56	57	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2005	54	56	59	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2007	64	66	67	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2009	69	71	71	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
2010	66	68	68	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2011	66	68	66	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2012	66	68	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2013	59	61	63	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2014	58	60	62	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2016	63	65	69	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2017	63	65	71	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2018	63	65	67	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2019	67	69	69	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
2020	59	61	63	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2021	63	65	65	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2022	66	68	70	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2023	66	68	70	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2024	51	53	56	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2025	61	63	67	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2026	66	68	72	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2027	63	65	67	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																					Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church						
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A					
2028	61	63	67	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
2029	64	66	70	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63					
2030	65	67	71	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64					
2031	56	58	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
2032	68	70	72	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67					
2033	57	59	62	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56					
2034	66	68	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65					
2035	69	71	72	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68					
2036	69	71	70	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68					
2037	51	53	57	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53					
2041	59	61	65	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
2042	59	61	65	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52					
2045	57	59	62	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55					
2046	63	65	68	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61					
2047	60	62	64	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58					
2048	66	68	66	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64					
2049	53	55	63	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51					
2050	67	69	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65					
2051	59	61	64	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
2052	67	69	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65					
2053	62	64	68	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60					
2054	60	62	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58					
2055	56	58	61	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54					
2056	59	61	63	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57					
2075	61	62	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59					
2076	68	69	59	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66					
2077	68	69	58	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66					
2078	68	69	59	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66					

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
2079	68	69	61	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
2080	68	69	63	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
2081	68	69	60	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
2083	63	64	67	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2084	53	54	59	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
2085	61	62	64	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2086	65	66	70	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2087	54	55	61	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2088	64	66	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2089	53	55	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2090	57	59	62	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2091	53	55	59	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2092	44	46	57	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
2093	44	46	68	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
2094	45	47	70	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
2095	53	55	73	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2096	56	58	70	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
2097	56	58	70	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
2098	63	65	65	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2099	63	65	68	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2100	63	65	69	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2101	67	69	68	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
2105	60	62	64	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2106	58	60	62	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2107	58	60	62	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2108	58	60	61	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2112	42	45	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
2113	42	42	64	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
2115	54	54	58	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
2116	42	42	60	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
2117	53	53	61	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2118	53	53	63	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2119	47	47	59	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
2120	60	60	69	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2121	60	60	66	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2122	54	54	58	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
2123	54	54	65	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
2125	63	63	64	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2127	43	43	55	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
2128	50	50	56	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2129	59	59	69	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2130	65	65	69	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2131	52	55	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2132	52	55	58	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2133	50	53	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2134	58	61	66	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2135	61	64	70	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2136	56	59	62	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
2137	63	66	66	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2139	61	63	65	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2140	46	48	58	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2141	61	63	58	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2142	58	60	55	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2143	46	48	53	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
2144	46	48	66	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
2145	59	61	66	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
2146	57	59	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2147	50	52	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2148	50	52	58	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2149	55	57	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2151	66	68	73	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
2152	55	57	62	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2153	65	67	73	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
2154	65	67	73	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
2155	62	64	68	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
2156	62	64	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
2157	55	57	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2158	53	55	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2159	53	55	63	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2160	66	68	61	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
2161	64	66	64	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
2162	64	66	64	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
2163	64	66	71	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
2164	56	58	62	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2166	54	56	62	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
2167	54	56	65	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
2168	51	53	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
2169	52	54	60	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2170	55	57	63	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2171	48	50	56	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
2173	48	50	56	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
2176	57	59	67	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2180	58	60	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2181	58	60	65	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
2182	58	60	70	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2183	58	60	64	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2186	60	62	67	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2187	60	62	68	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2188	65	67	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2190	62	64	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2191	55	57	64	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2192	56	58	62	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
2193	62	64	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2194	57	59	64	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2195	57	59	65	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2196	58	60	67	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2197	52	54	59	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2198	61	63	70	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2199	53	55	61	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2200	59	61	65	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2201	44	46	62	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
2202	42	42	65	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
2203	47	49	64	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
2204	55	58	64	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2205	42	42	72	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
2206	42	42	67	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
2207	50	52	62	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2208	60	62	71	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2209	60	62	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2210	52	54	62	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2211	60	62	75	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2212	48	50	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
2213	57	59	63	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2214	49	51	65	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
2215	54	56	65	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
2216	64	66	62	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
2217	61	63	65	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2218	53	55	62	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2219	64	66	69	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
2220	47	49	57	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
2222	45	47	61	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
2223	48	50	62	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
2224	56	58	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2225	64	66	67	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
2226	58	60	72	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2227	57	59	69	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2228	55	57	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2229	46	48	58	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2230	50	52	65	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W	R/W
2232	49	52	71	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
2233	52	55	68	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2234	64	67	71	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2235	56	59	71	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
2236	61	64	71	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2237	66	69	71	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
2238	60	63	71	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2239	59	61	63	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2240	64	66	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
2241	58	60	69	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2242	58	60	63	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Existing 1993	Option Area Comparisons in WV															Option Area Comparisons in VA				
		Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church	
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A
2243	60	62	67	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2244	65	67	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2245	64	66	68	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
2246	65	67	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2247	65	67	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2248	65	67	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2249	65	67	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2250	65	67	71	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
2255	54	56	62	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2256	66	69	51	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2257	66	69	51	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2258	66	69	51	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2259	66	69	51	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2260	66	69	51	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
2261	65	68	52	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2262	52	55	51	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
2263	54	57	51	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
2264	67	70	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2265	60	63	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
2266	67	70	54	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
2267	58	61	55	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2268	58	61	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
2269	42	45	48	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2270	42	45	48	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
2271	42	45	45	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2272	42	45	45	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2273	42	45	45	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
2275	42	45	42	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52

Note: Shaded areas warrant noise abatement consideration

EXISTING AND PREDICTED (2013) SOUND LEVELS (dBA)

RECEPTOR NUMBER	Option Area Comparisons in WV																	Option Area Comparisons in VA				
	Existing 1993	Alternatives			Interchange		Shavers Fork		Patterson Creek		Forman		Baker		Hanging Rock		Duck Run			Lebanon Church		
		No-Build	Line IRA	Line A	Line I	Line A	Line S	Line A	Line P	Line A	Line F	Line A	Line B	Line A	Line R	Line A	Line D1	Line D2	Line A	Line L	Line A	
2284	66	69	71	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
2285	62	65	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
2286	62	65	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
2287	62	65	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
2288	62	65	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
2289	62	65	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
2290	57	60	63	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
2291	57	60	63	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
2292	57	60	63	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
2293	57	60	63	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
2294	63	65	68	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
2295	63	65	68	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
2296	62	64	67	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
2297	68	70	73	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
2298	68	70	73	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
2299	61	63	66	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	
2300	63	65	68	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
2301	64	66	69	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
2302	57	59	62	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
2304	58	60	63	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
2305	64	66	69	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
2306	59	62	65	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
2307	55	58	61	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
2308	59	62	65	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
2309	61	64	67	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	
2310	52	55	58	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	

Note: Shaded areas warrant noise abatement consideration