§ 14-132. Disorderly conduct in and injuries to public buildings and facilities.

(a) It is a misdemeanor if any person shall:

(1) Make any rude or riotous noise, or be guilty of any disorderly conduct, in or near any public building or facility; or

(2) Unlawfully write or scribble on, mark, deface, besmear, or injure the walls of any public building or facility, or any statue or monument situated in any public place; or

(3) Commit any nuisance in or near any public building or facility.

(b) Any person in charge of any public building or facility owned or controlled by the State, any subdivision of the State, or any other public agency shall have authority to arrest summarily and without warrant for a violation of this section.

(c) The term "public building or facility" as used in this section includes any building or facility which is:

(1) One to which the public or a portion of the public has access and is owned or controlled by the State, any subdivision of the State, any other public agency, or any private institution or agency of a charitable, educational, or eleemosynary nature; or

(2) Dedicated to the use of the general public for a purpose which is primarily concerned with public recreation, cultural activities, and other events of a public nature or character.

(3) Designated by the Attorney General in accordance with G.S. 114-20.1.

The term "building or facility" as used in this section also includes the surrounding grounds and premises of any building or facility used in connection with the operation or functioning of such building or facility.

(d) Any person who violates any provision of this section is guilty of a Class 2 misdemeanor.

§ 14-288.4. Disorderly conduct.

(a) Disorderly conduct is a public disturbance intentionally caused by any person who does any of the following:

(1) Engages in fighting or other violent conduct or in conduct creating the threat of imminent fighting or other violence.

(2) Makes or uses any utterance, gesture, display or abusive language which is intended and plainly likely to provoke violent retaliation and thereby cause a breach of the peace.

(3) Takes possession of, exercises control over, or seizes any building or facility of any public or private educational institution without the specific authority of the chief administrative officer of the institution, or his authorized representative.

(4) Refuses to vacate any building or facility of any public or private educational institution in obedience to any of the following:
a. An order of the chief administrative officer of the institution, or the officer's representative, who shall include for colleges and universities the vice chancellor for student affairs or the vice-chancellor's equivalent for the institution, the dean of students or the dean's equivalent for the institution, the director of the law enforcement or security department for the institution, and the chief of the law enforcement or security department for the institution.

b. An order given by any fireman or public health officer acting within the scope of the fireman's or officer's authority.

c. If a state of emergency is occurring or is imminent within the institution, an order given by any law-enforcement officer acting within the scope of the officer's authority.

(5) Shall, after being forbidden to do so by the chief administrative officer, or the officer's authorized representative, of any public or private educational institution:

a. Engage in any sitting, kneeling, lying down, or inclining so as to obstruct the ingress or egress of any person entitled to the use of any building or facility of the institution in its normal and intended use; or

b. Congregate, assemble, form groups or formations (whether organized or not), block, or in any manner otherwise interfere with the operation or functioning of any building or facility of the institution so as to interfere with the customary or normal use of the building or facility.

(6) Disrupts, disturbs or interferes with the teaching of students at any public or private educational institution or engages in conduct which disturbs the peace, order or discipline at any public or private educational institution or on the grounds adjacent thereto.

(6a) Engages in conduct which disturbs the peace, order, or discipline on any public school bus or public school activity bus.

(7) Except as provided in subdivision (8) of this subsection, disrupts, disturbs, or interferes with a religious service or assembly or engages in conduct which disturbs the peace or order at any religious service or assembly.

(8) Engages in conduct with the intent to impede, disrupt, disturb, or interfere with the orderly administration of any funeral, memorial service, or family processional to the funeral or memorial service, including a military funeral, service, or family processional, or with the normal activities and functions occurring in the facilities or buildings where a funeral or memorial service, including a military funeral or memorial service, is taking place. Any of the following conduct that occurs within one hour preceding, during, or within one hour after a funeral or memorial service shall constitute disorderly conduct under this subdivision:

a. Displaying, within 300 feet of the ceremonial site, location being used for the funeral or memorial, or the family's processional route to the funeral or memorial service, any visual image that conveys fighting words or actual or imminent threats of harm directed to any person or property associated with the funeral, memorial service, or processional route.
b. Uttering, within 300 feet of the ceremonial site, location being used for the funeral or memorial service, or the family's processional route to the funeral or memorial service, loud, threatening, or abusive language or singing, chanting, whistling, or yelling with or without noise amplification in a manner that would tend to impede, disrupt, disturb, or interfere with a funeral, memorial service, or processional route.

c. Attempting to block or blocking pedestrian or vehicular access to the ceremonial site or location being used for a funeral or memorial.

As used in this section the term "building or facility" includes the surrounding grounds and premises of any building or facility used in connection with the operation or functioning of such building or facility.

(b) Except as provided in subsection (c) of this section, any person who willfully engages in disorderly conduct is guilty of a Class 2 misdemeanor.

(c) A person who commits a violation of subdivision (8) of subsection (a) of this section is guilty of:

   (1) A Class 2 misdemeanor for a first offense.
   (2) A Class 1 misdemeanor for a second offense.
   (3) A Class I felony for a third or subsequent offense.

§ 14-409.46. Sport shooting range protection.

(a) Notwithstanding any other provision of law, a person who owns, operates, or uses a sport shooting range in this State shall not be subject to civil liability or criminal prosecution in any matter relating to noise or noise pollution resulting from the operation or use of the range if the range was in existence at least three years prior to the effective date of this Article and the range was in compliance with any noise control laws or ordinances that applied to the range and its operation at the time the range began operation.

(b) A person who owns, operates, or uses a sport shooting range is not subject to an action for nuisance on the basis of noise or noise pollution, and a State court shall not enjoin the use or operation of a range on the basis of noise or noise pollution, if the range was in existence at least three years prior to the effective date of this Article and the range was in compliance with any noise control laws or ordinances that applied to the range and its operation at the time the range began operation.

(c) Rules adopted by any State department or agency for limiting levels of noise in terms of decibel level that may occur in the outdoor atmosphere shall not apply to a sport shooting range exempted from liability under this Article.

(d) A person who acquires title to real property adversely affected by the use of property with a permanently located and improved sport shooting range constructed and initially operated prior to the time the person acquires title shall not maintain a nuisance action on the basis of noise or noise pollution against the person who owns the range to restrain, enjoin, or impede the use of the range. If there is a substantial change in use of the range after the person acquires title, the person may maintain a nuisance action if the action is brought within one year of the date of a substantial change in use. This section does not prohibit actions for negligence or recklessness in the operation of the range or by a person using the range.

(e) A sport shooting range that is operated and is not in violation of existing law at the time of the enactment of an ordinance and was in existence at least three years prior to the effective date of this Article, shall be permitted to continue in operation even if the operation of
the sport shooting range at a later date does not conform to the new ordinance or an amendment to an existing ordinance, provided there has been no substantial change in use.

§ 20-128. Exhaust system and emissions control devices.
(a) No person shall drive a motor vehicle on a highway unless such motor vehicle is equipped with a muffler, or other exhaust system of the type installed at the time of manufacture, in good working order and in constant operation to prevent excessive or unusual noise, annoying smoke and smoke screens.
(b) It shall be unlawful to use a "muffler cut-out" on any motor vehicle upon a highway.
(c) No motor vehicle registered in this State that was manufactured after model year 1967 shall be operated in this State unless it is equipped with emissions control devices that were installed on the vehicle at the time the vehicle was manufactured and these devices are properly connected.
(d) The requirements of subsection (c) of this section shall not apply if the emissions control devices have been removed for the purpose of converting the motor vehicle to operate on natural or liquefied petroleum gas or other modifications have been made in order to reduce air pollution and these modifications are approved by the Department of Environment and Natural Resources.

(a) Every internal combustion engine used on a vessel shall have effective muffling equipment installed and used on the exhaust to muffle the noise in a reasonable manner. The use of cutouts is prohibited.
(b) Every internal combustion engine with an open-air exhaust that is used on a vessel that has a capacity of operating at more than 4,000 revolutions per minute shall have effective muffling equipment installed and used on each exhaust manifold stack. This subsection shall not apply to a licensed commercial fishing vessel.
(c) This section shall not apply to vessels competing in a regatta or race approved by the United States Coast Guard, for such vessels while on trial runs during a period not to exceed 48 hours immediately preceding the regatta or race, and for such vessels while competing in official trials for speed records during a period not to exceed 48 hours immediately following the regatta or race.

§ 104E-26. Standards and criteria for licensing low-level radioactive waste facilities.
Standards and criteria for licensing low-level radioactive waste facilities shall be developed by the Commission. Such standards and criteria shall be developed with public participation and shall be incorporated into rules adopted by the Commission for the licensing of such facilities. Standards and criteria shall be consistent with all applicable federal and State law, including statutes, regulations and rules; shall be developed and revised in light of the best available scientific data; and shall be based on consideration of at least the following factors:

6) Aesthetic factors, including the visibility, appearance, and noise level of the facility.

For the protection of the public health, safety and welfare of those attending mass gatherings and of other persons who may be affected by mass gatherings, the Commission shall adopt rules to carry out the provisions of this Part and to establish requirements for the
provision of facilities and services at mass gatherings. The rules shall include, but not be limited to, the establishment of requirements as follows:

(6) Noise level at perimeter; lighting and signs.

§ 130A-294. Solid waste management program.

(g) The Commission shall develop and adopt standards for permitting of hazardous waste facilities. Such standards shall be developed with, and provide for, public participation; shall be incorporated into rules; shall be consistent with all applicable federal and State law, including statutes, regulations and rules; shall be developed and revised in light of the best available scientific data; and shall be based on consideration of at least the following factors:

(6) Aesthetic factors, including the visibility, appearance, and noise level of the facility;


A county may by ordinance regulate, restrict, or prohibit the production or emission of noises or amplified speech, music, or other sounds that tend to annoy, disturb, or frighten its citizens.

§ 160A-181.1. Regulation of sexually oriented businesses.

(c) A city or county may regulate sexually oriented businesses through zoning regulations, licensing requirements, or other appropriate local ordinances. The city or county may require a fee for the initial license and any annual renewal. Such local regulations may include, but are not limited to:

(2) Regulations on operation of sexually oriented businesses, such as limits on hours of operation, open booth requirements, limitations on exterior advertising and noise, age of patrons and employees, required separation of patrons and performers, clothing restrictions for masseuses, and clothing restrictions for servers of alcoholic beverages;


A city may by ordinance regulate, restrict, or prohibit the production or emission of noises or amplified speech, music, or other sounds that tend to annoy, disturb, or frighten its citizens.


(a) A city shall have authority to (i) classify all or a portion of the streets in the city according to their size, present and anticipated traffic loads, and other characteristics relevant to the achievement of the purposes of this section, and (ii) establish by ordinance minimum distances that buildings and other permanent structures or improvements constructed along each class or type of street shall be set back from the right-of-way line or the center line of an existing or proposed street. Portions of any street may be classified in a manner different from other portions of the same street where the characteristics of the portions differ.

(b) Any setback line shall be designed
To protect the public health by keeping dwellings and other structures an adequate distance from the dust, noise, and fumes created by traffic on the street and by insuring an adequate supply of light and air.

DEPARTMENT OF TRANSPORTATION NOISE POLICY

The North Carolina Department of Transportation (NCDOT) Traffic Noise Abatement Policy provides for the evaluation of noise barriers or other mitigation measures (e.g., landscaping) for communities and facilities adversely impacted by traffic noise on proposed state and federal highway projects. NCDOT uses this policy to determine the need for noise abatement and the feasibility and reasonableness of abatement measures. Requests for vegetative screening for aesthetic purposes may be considered under the Highway Landscaping Planting Policy.

NCDOT noise abatement policy applies only to "Type I" projects for state, federal or federal-aid highway projects. NCDOT does not participate in "Type II" projects (retrofitting of existing roads, maintenance projects, guardrail projects, rehabilitation projects, existing facilities, and addition of auxiliary lanes). If an auxiliary lane is added between interchanges to improve operational efficiency and it is 1500 feet in length or longer, it should be considered as a Type I project. The addition of ramps at an interchange will also be considered as a Type I project in this policy.

Type I Project

Sound barriers may be considered for new construction or reconstruction of highways. New construction is building a highway on a new location. Reconstruction involves physically altering an existing highway. The most common examples of reconstruction projects requiring noise analysis are increasing the number of through traffic lanes or substantially changing its vertical grade or horizontal alignment. Consideration of noise abatement as part of construction or reconstruction projects is mandatory in accordance with Code of Federal Regulations, Title 23, Part 772 whenever traffic noise impacts are predicted.

PREVENTING NOISE IMPACTS

Information for the Public and Local Officials

To prevent future noise impacts on currently undeveloped lands, the following system will be used:

Public information. During the development stage of a proposed highway project, area residents and local officials will be kept informed about the project. Meetings (both formal and informal) will be held to provide information as well as to gather comments, opinions and concerns from the public and local officials.

Public documents. Environmental documents prepared for the project will contain a list of areas that may be impacted by noise as well as proposals for noise walls and/or other noise abatement measures.
**Corridor/Design Public Hearing.** Proposed noise abatement measures will be presented and discussed at the Design Public Hearing. The noise abatement measures shown on the design public hearing map will be based on preliminary design and a detailed noise analysis. NCDOT design staff will fine-tune the designs during the right of way plan preparation process. The location of the noise abatement measures should remain essentially the same as shown in the design public hearing map.

**Final determination.** Noise abatement measures deemed reasonable and feasible by NCDOT staff will be shown on the design public hearing map. The opinions of front row property owners will be requested so that a final determination on abatement measures may be made.

**Date of Public Knowledge.** The "Date of Public Knowledge" of the location and potential noise impacts of a proposed highway project will be the approval date of the final environmental document, e.g., Categorical Exclusion (CE), State or Federal Finding of No Significant Impact (FONSI) or State or Federal Record of Decision (ROD).

1. After this date, the federal and state governments are no longer responsible for providing noise abatement measures for new development within the noise impact area of the proposed highway project.
2. The criteria (e.g., trigger date) for determining when undeveloped land is "planned, designed and programmed" for development will be the approval of a building permit for an individual lot or site.
3. It is the responsibility of local governments and private landowners to ensure that noise-compatible designs are used for development permitted after the Date of Public Knowledge.

NCDOT will provide all traffic noise analyses to local government officials within whose jurisdiction a highway project is proposed. Specifically, environmental documents and design noise reports will contain noise tables identifying areas that may be impacted by traffic noise as well as other appropriate design information. Local officials should coordinate distribution of this information to residents, property owners and developers within the affected areas. Following this procedure will encourage planners, building officials, developers and others within affected communities to plan, design and construct noise-compatible development.

**SOUND AND NOISE**

**Definitions and Measurements**
Sound is created when an object moves, causing vibrations or waves in air molecules. When vibrations reach our ears we hear sounds. Noise is defined as unwanted or excessive sounds. It is an undesirable by-product of our modern way of life.

Sound levels are measured in units called decibels (dB). Adjustment for high and low pitched sounds an average person can hear is called "A-weighted levels" or dBA. Highway traffic noise is assessed using dBA measurements. Noise is further described by its average level over time. In noise abatement studies an "hourly equivalent sound level,” or Leq(h), is the constant, average sound level that contains the same amount of sound energy over the time period as does the varying levels of actual traffic noise.
NOISE IMPACT DETERMINATION AND ABATEMENT

Future traffic noise levels are determined by traffic volumes projected for the roadway for the “design year” which is approximately 20 years after highway construction begins. Traffic noise abatement for NCDOT highway projects must be considered when traffic noise impacts are created by either of the following two conditions:
The predicted design year noise levels approach or exceed those measurements shown for the appropriate activity category as shown in Figure 1. NCDOT defines “approach” to be within 1 dBA of the Leq(h) value for the activity categories.

The predicted design year noise levels substantially exceed existing noise levels as defined below:

<table>
<thead>
<tr>
<th>Existing Leq(h)</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 or less dBA</td>
<td>15 or more dBA</td>
</tr>
<tr>
<td>51 dBA</td>
<td>14 dBA</td>
</tr>
<tr>
<td>52 dBA</td>
<td>13 dBA</td>
</tr>
<tr>
<td>53 dBA</td>
<td>12 dBA</td>
</tr>
<tr>
<td>54 dBA</td>
<td>11 dBA</td>
</tr>
<tr>
<td>55 or more dBA</td>
<td>10 or more dBA</td>
</tr>
</tbody>
</table>

NCDOT uses a 10 dBA to 15 dBA increase of future predicted noise levels above existing noise levels to define “substantial increase” in exterior noise levels. This sliding scale allows a greater increase at a lower existing noise level before a “substantial” increase is defined. As noise walls generally reduce volumes by 5 dBA their use is usually not as effective in less...
noisy areas. A 10 dBA change in noise levels is judged by most people as a doubling or halving of the loudness of the sounds.

NOISE MITIGATION MEASURES
Feasible and Reasonable

After it has been determined to consider noise abatement as outlined above, several factors must be examined to determine if construction of sound barriers is feasible and reasonable. These factors include benefits to those impacted by noise, the cost of abatement, and overall social, economical and environmental effects of sound barrier construction. Also, Title 23 CFR, Section 772.11(a) states, "In determining and abating traffic noise impacts, primary consideration is to be given to exterior areas. Abatement will usually be necessary only where frequent human use occurs and a lowered noise level would be of benefit."

Feasibility: Feasibility deals primarily with design and engineering considerations. The following issues should be considered in order to determine feasibility:

1. The topography of the location should be considered when determining if a noise wall can be built.
2. A readily noticeable noise reduction “insertion loss” should be achieved by the placement of the noise abatement measure, a minimum of 5 dBA for front row receptors.
3. Site-specific access, drainage, safety and maintenance requirements should be considered when determining noise reduction levels.
4. Other noise sources in the areas should be considered.
5. Noise abatement on non-controlled or partial access control highways usually is not feasible. However, in areas where property owners have agreed to voluntarily relinquish access rights to the highway, noise abatement may be considered.

Reasonableness: Reasonableness is a more subjective measure. This consideration should show that good judgment and common sense were used in making a decision. A finding of reasonableness will include the following:

1. Noise barrier cost - The abatement measure will be constructed at a reasonable allowable cost per benefited receptor (cost effective). This cost per benefited receptor will be less than or equal to the value (V) determined by dividing the number (N) of benefited receptors into the total cost (C) of the barrier system. A benefited receptor is one that experiences a 5 dBA or more reduction in noise levels by the construction of the noise wall. The cost of the barrier system will be based on $15.00 per square foot for the noise mitigation measure plus any other major items necessary for the construction of the measure. These other items could include cost for structure improvements, additional earthwork, additional right-of-way, etc. The reasonable cost effective amount for an impacted area will be $35,000 per benefited receptor plus an incremental increase of $500 per dBA average increase (I) in the predicted exterior noise levels of the impacted receptors of the area.

\[ V = \frac{C}{N} \text{ which must be equal to or less than } $35,000 + 500(I). \]
\[ I = \text{Increase in predicted exterior noise levels} \]
Examples:
Cost of noise mitigation measure = $350,000
Number of benefited receptors = 12
\[ V = \frac{350,000}{12} = \$29,166 \]

Projected noise level (72 dBA) – Existing noise level (69 dBA) = I = 3 dBA
Cost effective amount = $35,000 + $500(3) = $36,500, therefore, a noise mitigation measure would be considered.

Cost of noise mitigation measure = $400,000
Number of benefited receptors = 8
\[ V = \frac{400,000}{8} = \$50,000 \]

Projected noise level (70 dBA) - Existing noise level (65 dBA) = I = 5 dBA
Cost effective amount = $35,000 + $500(5) = $37,500, therefore, a noise mitigation measure would not be considered.

2. **Noise Wall height and scale** – A major consideration of the reasonableness of a noise wall is the visual impact on the adjoining lands. Specifically, a high noise wall alongside low, single-family residences could have a severe adverse visual effect. Considering these factors, the height of the noise wall above the ground should not exceed 25 feet or 7.5 meters. Furthermore, the horizontal distance of the noise wall from residences should be greater than four times the height of the noise wall from the residences.

3. **Difference between existing and future noise levels** - When real-life noises are heard, most people find it difficult to detect noise level changes of 2-3 dBA. If the differences between the existing and future noise levels are 3 dBA or less, sound mitigation measures are generally considered unreasonable.

4. **Opinions of impacted residents** - Support for the proposed noise barrier by front row receptors must be documented due to the visual effect of the proposed measures. The Department will solicit the opinions of these receptors and a majority of these receptors must support the construction of the noise abatement measure.

5. **Isolated receptors** - The cost of abatement measures for isolated receptors versus the noise reduction benefits provided are usually excessive. Therefore, unless special conditions exist, it generally is not considered reasonable to provide noise abatement for isolated receptors.

6. **Commercial areas** - Businesses usually prefer visibility and accessibility from the highway rather than noise abatement. Therefore, noise abatement for impacted businesses will not be considered unless requested by the business affected.

7. **Residential multi-unit complexes** – NCDOT will evaluate residential multi-unit complexes under activity category ‘E’ (interior condition) of the Noise Abatement Criteria (NAC) Table. If activity category ‘B’ (exterior condition) of the NAC Table is also determined in areas of the complex, NCDOT will evaluate both categories ‘B’ and ‘E’ conditions of the multiunit complex. Noise mitigation benefits for qualifying NAC activity category ‘B’ will consider all units of the multi-unit building structure. However, noise mitigation benefits for NAC activity category ‘E’ will consider only first floor units due to noise wall height constraints. Owner occupied units (apartment, townhouse, etc.) will be treated as a separate voting member.

8. **Special use areas** – Special use areas include, but are not limited to, school, pre-school and daycare facility playgrounds; special exterior areas of churches, hospitals,
retirement homes; parks and camps that would be evaluated for NAC activity category ‘B’ (exterior condition). Note: A minimum of 25 students is required to qualify for exterior activity “B” for playgrounds for pre-school and daycare facilities.

To determine cost effectiveness of the noise wall an equivalent number of residents would be determined by using the formula: Equivalent # Residences = # Occupants/# people / residence) * usage
With:
# of occupants = # of students in a school or # of people in a congregation at church, etc.
# of people per residence = 3. (Used in Computer Modeling) Usage = # of hours used per day/ 24 hours per day
School Example: Equivalent # of Residents = 500 students/3 * (4 hrs per day/ 24 hrs per day) = 28

The factors listed above are not intended to be all encompassing. Rather, these are to illustrate some of the factors that should be considered in determining the feasibility and reasonableness of proposed abatement measures.

NOISE WALL CONSTRUCTION, MATERIALS AND AESTHETICS

The type of materials used in construction of noise barriers and other abatement measures should be an engineering decision based on economics, effectiveness and, to a limited degree, visual impacts. Visual impact considerations will ensure that the proposed noise wall meets a basic aesthetic level as well as a basic durability level so that excessive deterioration or corrosion will not occur.

The steel pile and concrete panel wall is NCDOT's standard noise wall however, NCDOT will consider Context Sensitive Solutions (CSS) as long as other criteria are met. Consideration should be given to providing earth berms for noise abatement purposes on projects that have earth waste and where sufficient right-of-way exists to construct the berm.

Traditional highway construction resources pay for required noise abatement measures. Should a local government request that materials be used that are more costly than those proposed by NCDOT, the requesting entity must assume 100% of the additional cost.

If a local government insists on the provision of a noise abatement measure deemed not reasonable by NCDOT, a noise wall may be installed provided the local government assumes 100% of the costs. These costs include, but are not limited to, preliminary engineering, construction and maintenance. In addition, local governments must ensure that NCDOT’s material, design and construction specifications are met.

REVIEW OF POLICY

This policy shall be reviewed in a manner determined by the Board of Transportation at least every five years.