

## **Environmental Noise Assessment Report**

**To Provide a Noise Assessment to Support a Planning Application  
to Extend Customer External Seating and Locate  
and External Television and Canopy at  
The Hansom Cab, Brookfield Road, Burbage, Hinckley  
Leicestershire LE10 2LL**

**Date of Report:      December 2025**

**E N L**

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**NOISE SURVEY REPORT/GKPC/December 2025**  
**GREENE KING PUB COMPANY LTD**  
**THE HANSOM CAB, BROOKFIELD ROAD, BURBAGE, HINCKLEY**  
**TO SUPPORT A PLANNING APPLICATION TO EXTEND CUSTOMER**  
**EXTERNAL SEATING.**

**1.0 INTRODUCTION**

- 1.1 Instruction: To provide a noise assessment and evaluation with regard to proposed use of the external customer seating area and location of an external TV at The Hansom Cab, Brookfield Road, Burbage, Hinckley.
- 1.2 Client: Greene King Pub Company Ltd
- 1.3 Survey Location: The Hansom Cab, Brookfield Road, Burbage, Hinckley Leicestershire LE10 2LL
- 1.4 Survey Date 16 December 2025 - environmental background noise monitoring.
- 1.5 Survey Times: 1700 hours to 2230 hours
- 1.6 Weather Conditions: Clear skies, no wind and dry.
- 1.7 Instrumentation: CEL 633 C1 Precision Sound Analyser Type 1  
CEL 284/2 Acoustic Calibrator Type 1  
(Calibration Status: Current Certification from July 2025)
- 1.8 Report Date: 18 December 2025
- 1.9 Consultant: R B Parker, MIOA, MCIEH  
P E Gunter MIOA

**2.0 BACKGROUND INFORMATION AND LOCATION DETAILS**

**2.1 Background**

- 2.2 Greene King Pub Company Ltd has applied for planning permission to extend the external customer seating area and locate an external TV in this area at the Hansom Cab, Hinkley. To assess the proposals and in particular the impact of sound from customer speech levels (as defined by the World Health Organisation) the Company has instructed an acoustic report to review this matter.

**2.3 Building and Location Details**

- 2.4 The Hansom Cab premise is a purpose built two storey building with a large ground floor layout. The premises are trading as a food led Hungry Horse Greene King brand. There is a large car parking area to the west and north sides of the building. External customer seating is located on the west, south and east sides of the premises. The Pub is located on the NW side of a roundabout serving Cooper Drive and Rugby Road.,



2.5 Nearest Residential Properties

2.6 The nearest residential properties are:

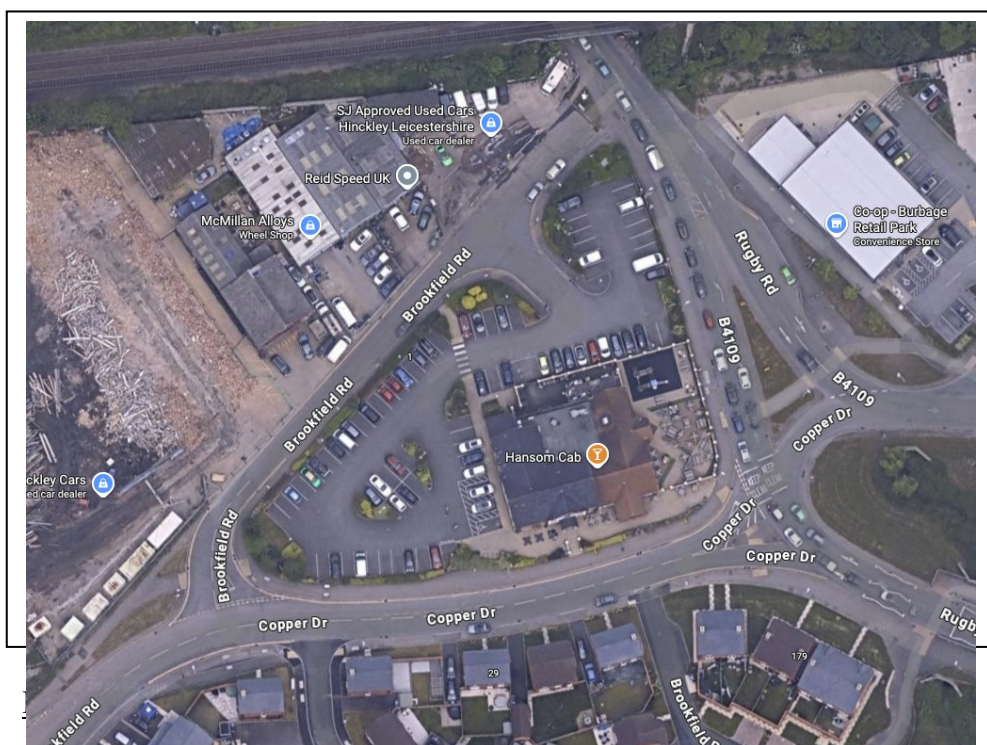
Nos 1 to 15 Cooper Drive – 2 storey residential properties to the south side of the Hansom Cab building. The properties are about 15 metres from the external seating area.

2.7 Opening Hours

Monday to Thursday 0900 hours to 2300 hours

Friday to Sunday 0900 hours to 2300 hours

2.8 Google Location Map



3.0

3.1 In order to provide a background noise level from which to base assessments can be made, background noise readings were carried out at in the external customer seating area, on the south side of premises. This position was selected to as representative of the situation. These readings are in the table below and are used in the upcoming assessment tables.

3.2 In this case environmental measurements were made in accordance with BS7445:2003 Parts 1-3. The microphone was positioned 1.2 metres above ground level at the proposed monitoring positions as in para 3.1 above.

3.3 Measurements made have been assessed and rated under the guidance in the procedures in British Standard 4142:2014 +A1:2019- Method for rating industrial noise affecting mixed residential and industrial areas. This standard is extensively used to assess the impact of noise from commercial/industrial activity upon residential properties.



- 3.4 Measurement periods of 15 minutes are used during the survey to ensure these periods are considered an adequate range of measurements to be taken. Calibration of instrumentation was carried out at the beginning and end of each monitoring period, in accordance with good practice.

#### 4.0 ENVIRONMENTAL NOISE MONITORING RESULTS

##### 4.1 Environmental Background Noise Monitoring – 16 December 2025

| Monitoring Position - the rear garden yard area | dB ref 2 x 10 <sup>-5</sup> Pascalls |      |       |       |      |
|-------------------------------------------------|--------------------------------------|------|-------|-------|------|
|                                                 | LAeq                                 | LA90 | LAMax | LAMin | LA10 |
| 18:00                                           | 62.5                                 | 49.0 | 77.9  | 45.5  | 65.5 |
| 18:30                                           | 63.1                                 | 49.0 | 77.7  | 44.6  | 67.5 |
| 19:00                                           | 63.7                                 | 49.0 | 77.9  | 46.7  | 68.5 |
| 19:30                                           | 59.8                                 | 48.0 | 76.7  | 44.4  | 61.5 |
| 20:00                                           | 60.5                                 | 49.5 | 75.8  | 46.2  | 65.0 |
| 20:30                                           | 59.7                                 | 47.5 | 76.7  | 43.2  | 63.0 |
| 21:00                                           | 58.8                                 | 47.5 | 75.0  | 43.9  | 60.5 |
| 21:30                                           | 58.1                                 | 47.0 | 76.4  | 43.1  | 58.5 |
| 22:00                                           | 59.0                                 | 46.0 | 76.6  | 42.1  | 59.5 |
| 22:30                                           | 58.4                                 | 46.0 | 79.6  | 42.3  | 60.5 |

##### 4.2 Comments

- 4.3 The existing customer external area is located at the west, south and east sides of the premises. There are no other external customer seating areas. During the survey it was noted that the background noise level measurements were influenced by road traffic noise as the area is not screened by the building. This can be seen in the fairly steady LA10 dB data in the table above.

#### 5.0 ASSESSMENT CONSIDERATIONS

##### 5.1 National Planning Policy Framework (replaces Planning Policy Guidance No 24).

- 5.2 The PPG24 was used in relation to planning approvals of any development. Under the new policy ie NPPF (July 2018) planning law requires that applications for planning permission must be determined in accordance with the development plan, unless material considerations indicate otherwise.

- 5.3 The National Planning Policy Framework must be taken into account in the preparation of local and neighbourhood plans, and is a material consideration in planning decisions. Planning policies and decisions must reflect and where appropriate promote relevant EU obligations and statutory requirements.

##### 5.4 BS 8233:2014

- 5.5 The guidance in BS 8233:2014 in relation to acceptable noise levels within buildings has been considered also and does not raise any issues in relation to the development. As part of the planning permissions process site boundary noise conditions are often set by local authorities. The method of calculating the effect of these conditions is as in BS 4142:2014+A1:2019.

- 5.6 This British Standard sets out guidance on the internal comfort levels that should be aimed for within a dwelling space. Noise from unpredictable sources such as road



traffic noise, outside the control of the company, are more likely to cause sleep disturbance problems in this area.

6.0 NOISE ASSESSMENT.

6.1 British Standard 8233:2014 – For Impact of Patron Noise.

6.2 The guidance in BS 8233:2014 in relation to acceptable noise levels within buildings has been considered also and does not raise any issues in relation to the operation of the units when acoustical controls are applied. In BS8233:2014 the criteria which needs to be considered is that noise levels within the dwellings should not exceed  $L_{AeqT}$  30dB, where T = 5 minutes (ref BS4142:2014+A1:2019). The internal criteria of  $L_{Aeq}$  30dB is unlikely to be exceeded in any nearby resident property by the operations of the plant due to the noise control measures proposed.

6.3 Assessment Table 1 – **Existing** Assessment for General Patron Noise ( $L_{Aeq}$  dB) at No 1 Cooper Drive.

| Assessment Criteria                                                                  | Level       |
|--------------------------------------------------------------------------------------|-------------|
| 1. Predicted $L_{Aeq}$ dB for 1 No Patron voice raised (WHO data)                    | 62dB        |
| 2. Predicted $L_{Aeq}$ dB for 130 No Patrons voice raised (WHO data) **              | 82dB        |
| 3. Angle of view correction                                                          | -5dB        |
| 4. Distance Correction to residential property ( 15 metres)                          | -24dB       |
| 5. Facade Reflection of nearby houses                                                | 0dB         |
| 6. Resultant $L_{Aeq}$ dB at residential property                                    | 53dB        |
| 7. Lowest Background Noise Level (updated to allow for actual situation)             | 48dB        |
| 8. Assessment Level (Line 6-7)                                                       | +7dB        |
| 9. Less open window correction ie WHO data                                           | -10dB       |
| 10. Inside Residential Property (window slightly open – 16 hout)                     | <b>39dB</b> |
| This level does not exceed the BS8233:2014 guidance of $L_{Aeq}$ 45dB (0700-2300hrs) |             |

6.4 The above assessment was based on worst case full capacity general patron noise. Sound contribution from other sources such as aircraft and road traffic noise will be evident on a day to day basis. Road traffic noise by its nature is fairly constant and will continue to contribute to ambient noise in this area.

6.5 Assessment Table 2 – **Proposed** Assessment for General Patron Noise ( $L_{Aeq}$  dB) at No 1 Cooper Drive.

| Assessment Criteria                                                               | Level       |
|-----------------------------------------------------------------------------------|-------------|
| 1. Predicted $L_{Aeq}$ dB for 1 No Patron voice raised (WHO data)                 | 62dB        |
| 2. Predicted $L_{Aeq}$ dB for 164 No Patrons voice raised (WHO data) **           | 83dB        |
| 3. Angle of view correction                                                       | -5dB        |
| 4. Distance Correction to residential property ( 15 metres)                       | -24dB       |
| 5. Facade Reflection of nearby houses                                             | 0dB         |
| 6. Resultant $L_{Aeq}$ dB at residential property                                 | 54dB        |
| 7. Lowest Background Noise Level (updated to allow for actual situation)          | 48dB        |
| 8. Assessment Level (Line 6-7)                                                    | +6dB        |
| 9. Less open window correction ie WHO data                                        | -10dB       |
| 10. Inside Residential Property (window slightly open – 16 hour)                  | <b>39dB</b> |
| This level falls within the BS8233:2014 guidance of $L_{Aeq}$ 45dB (0700-2300hrs) |             |



- 6.6 The above assessment was based on worst case full capacity general patron noise. Sound contribution from other sources such as aircraft and road traffic noise will be evident on a day to day basis. Road traffic noise by its nature is fairly constant and will continue to contribute to ambient noise in this area.
- 6.7 BS8233:2014
- 6.8 This British Standard sets out guidance on the internal comfort levels that should be aimed for within a dwelling space. Noise from unpredictable sources such as road traffic noise, outside the control of the company, are more likely to cause sleep disturbance problems in this area.
- 6.9 In BS8233:2014 the criteria which needs to be considered is that noise levels within the dwellings. The British Standard providing guidance for the control of noise in and around both new and refurbished buildings applying for change of use, has been updated. Changes in noise standards could impact on planning decisions. The new document provides recommended guideline values for internal noise levels within dwellings which are similar in scope to guideline values contained within the World Health Organisation Guidelines for Community Noise, 1999 (WHO).
- 6.10 Unlike the previous version, BS 8233:2014 doesn't provide recommendations in relation to maximum noise levels in residential bedrooms at night from individual noise events such as vehicle pass-by or aircraft movements. Instead, it advises that: *"regular individual noise events...can cause sleep disturbance. A guideline value may be set in terms of SEL (Sound Exposure Level) or  $L_{Amax,F}$  depending on the character and number of events per night. Sporadic noise events could require separate values"*.
- 6.11 The new guidance does, however, provide limited guidance for indoor noise levels from external noise events for bedrooms, with a recommended indoor noise range of 45 – 55 dB  $L_{Amax}$ . The Standard also adopts guideline external noise values provided in WHO for external amenity areas such as gardens and patios. The Standard states that it is "desirable" that the external noise does not exceed 50 dB  $L_{Aeq,T}$  with an upper guideline value of 55 dB  $L_{Aeq,T}$  whilst recognising that development in higher noise areas such as urban areas or those close to the transport network may require a compromise between elevated noise levels and other factors that determine if development in such areas is warranted.
- 6.12 In this case when the acoustic works have been completed to the scheme noise levels within the proposed the adjacent noise sensitive properties should fall within the overall guidance in this standard.
- 6.13 Local Council Comments
- 6.14 Hinckley and Bosworth Borough Council as the Local Planning Authority (LPA) are likely to set conditions. The assessments above offer support on the likely impact of the proposed use.



## 7.0 CONCLUSIONS

- 7.1 It is understood Hinckley and Bosworth Borough Council will consider this planning application in conjunction with the supporting noise assessment. This has been undertaken to support this application. Subject to the implementation of the acoustic control scheme to the proposed area there should be no increased adverse impact from this application on the local amenity.

## 8.0 RECOMMENDATIONS

- 8.1 To enhance the acoustic environment of the proposed customer seating TV the following is recommended:

i) Proposed external Television Installation

It is proposed to install an external TV on the east side of the building.

To moderate the sound from the operation of the TV it is recommended that the proposed enclosure paneling is internally lined with 50mm thick Class 'O' acoustic foam ST30 or equivalent. There are proprietary materials available and should be installed and maintained as per manufacturer instructions. The sound absorption coefficient should be in the following range:

| Absorption Coefficient |       |       |       |      |      |      |      |
|------------------------|-------|-------|-------|------|------|------|------|
| 63Hz                   | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz |
| 0.1                    | 0.2   | 0.45  | 0.65  | 0.75 | 0.65 | 0.65 | 0.65 |

ii) Operating Volume of the external Television

The volume control of the TV should be set and locked so as not to exceed LAeq75dB at 1 meter.

iii) Management Plan

It is recommended that a Management Plan is provided to ensure use of this area does not cause noise issues to local residents.

## 9.0 LIMITATIONS OF THIS REPORT AND HEALTH AND SAFETY CONSIDERATIONS

- 9.1 This report has been prepared based on information provided and there may be operational reasons to make changes to ensure the assessment meet the Council's environmental noise requirements. All acoustic works must follow this specification. Any advice required contact ENL Acoustic Consultants Ltd. ENL Acoustic Consultants Ltd accepts no responsibility for changes to these recommendations without approval from ENL in writing.
- 9.2 The above recommendations are for acoustic purposes only, to support retention of the equipment as part of a planning application. All matters associated with Health & Safety, Structural Stability, Structural support and Conservation issues should be dealt with and approved professionally by other experts.
- 9.3 The above recommendations and evaluation are based on the information provided and observed during a site visit. Changes to the specific may be necessary if additional information comes to light during the installation process. The above recommendations are for acoustic purposes only, to support retention of the equipment. All matters associated with Health & Safety, Structural Stability, Structural support and Conservation issues should be dealt with by others.

## APPENDIX 1 - GLOSSARY OF ACOUSTIC TERMS

1. **A-weighted decibels - dB(A)** - Approximately equivalent to the human ear frequency response. A simulated measure of the loudness level of the noise as heard by the listener. Specific corrections are made to simulate this response.
2. **Ambient noise** - Totally encompassing sound in a given situation at a given time.
3. **Attenuation** - the amount by which a noise is reduced.
4. **Corrected Noise Level or Rating level  $L_{ArT}$**  - the specific noise level plus any adjustment for the character of the noise.
5. **Decibels** - a unit of sound level using a logarithmic scale. It is the ratio of the measured sound pressure and the reference level ie  $10 \log_{10}(P^2_1/P^2_{ref})$  where 1 = rms pressure and  $ref = 2 \times 10^{-5} \text{ N/m}^2$ .
6. **Frequency in Hertz** - sound is propagated in wave form. Sound frequency is expressed in cycles per second or Hertz. Most noises comprise many frequencies. One Hertz equals one cycle per second.
7.  **$L_{AeqT}$  - Equivalent Continuous A-weighted sound pressure level** - the value of the A-weighted sound pressure level in decibels of the continuous steady sound that within a specified time interval has the same mean square sound pressure as a sound that varies with time.
8.  **$L_{A90T}$  - Background Noise Level (BNL)** - the A-weighted level of the residual noise in decibels exceeded for 90% of a given time interval. The level of noise underlying all fluctuating noise s reaching a given location. This tends to be dominated by the more distant, non-local sources and events.
9.  **$L_{A10(1hour)}$  dBA - Road Traffic Noise** - the value of  $L_{A10(1hour)}$  dBA is the noise exceeded for 10% of a period of one hour.
10. **Noise** - A complex sound often defined as unwanted sound.
11. **Precision Grade Instrumentation** - There are 2 basic grades of instrumentation guaranteeing different grades of accuracy of which precision grade instrumentation is the most accurate.
12. **Sound Pressure Level** - the sound pressure level in decibels is given by:  
 $20 \log_{10} (P_1/P_2)$ .



## **APPENDIX 2 – LEGALS**

The opinions and interpretations presented in this report represent our best technical interpretation of the data made available to us. However, due to uncertainty inherent in the estimation of all parameters, we cannot, and do not guarantee the accuracy or correctness of any interpretation and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. The findings and opinions expressed are relevant to the dates of the site works and should not be relied upon to represent conditions at substantially later dates. If additional information becomes available which may affect our comments, conclusions or recommendations, the author reserves the right to review the information, reassess any new potential concerns and modify our opinions accordingly. Except for the provision of professional services on a fee basis, ENL Acoustic Consultants Ltd / ENL Acoustics Ltd does not have a commercial arrangement with any person or company involved in the interests that are the subject of this report. ENL Acoustic Consultants Ltd / ENL Acoustics Ltd cannot accept any liability for the correctness, applicability or validity for the information they have provided, or indeed for any consequential costs or losses in this regard. Our efforts have been made on a “best endeavors” basis and no responsibility or liability is warranted or accepted by ENL Acoustic Consultants Ltd / ENL Acoustics Ltd.

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### **APENDIX 3 – PROFESSIONAL MEMBERSHIPS**

#### **R B Parker**

MIOA - Member of the Institute of Acoustics (No: 34957)

MCIEH - Member of the Chartered Institute of Environmental Health (No: 00003507)

#### **P E Gunter**

MIOA - Member of the Institute of Acoustics (No: 46062)