

VENUS ASSET MANAGEMENT & ENGINEERING SERVICES LTD

COMPANY BROCHURE 2024



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BRIDGE EXAMINATIONS

WHAT SERVICES TO WE OFFER?

Our team of experienced professionals specialise in comprehensive examinations, ensuring the safety and longevity of these critical structures. With a meticulous approach, we conduct thorough inspections, utilising innovative technology to identify any potential damages and weaknesses. Our services encompass visual/general and detailed/principal inspections, providing our clients with detailed reports and recommendations. Our clients trust us to provide such services to minimise risk to the railway and to the general public whilst enhancing the reliability of the infrastructure.

Visual & General Inspections:

Conducting a detailed examination to the entire bridge structure, including super structure, substructure and foundations to identify and visibly see signs of distress, deterioration or damage.

Detailed & Principle Inspections:

Conducting a full detailed examination of the entire bridge structure within touching distance, utilising equipment, specialist access where necessary and the latest innovative technology such as snake cams, drones etc. From these full tactile examinations, our clients gain in depth knowledge of the general health of the infrastructure.

Documentation & Reporting:

Compiling a comprehensive report to Network Rail standards includes findings from the completed inspections, analysis results and detailed recommendations for maintenance, repair or further evaluation. These reports will include photographic evidence to back up our written findings. Our reports will serve as a valuable reference for future decision making and compliance documentation.

CULVERT EXAMINATIONS



Our professional team specialises in a multitude of inspection services and more commonly Culvert Examinations. Our Culvert Examinations Service will ensure optimal functionality. Structural integrity and safety of your Culvert Infrastructure. Here at V.A.M.E.S, we are a reputable provider of engineering services and we are thoroughly dedicated to delivering thorough and concise inspections for a variety of culvert types.

HOW DO WE WORK?

Inspection:

Conducting a meticulous examination of the entire culvert structure. This includes the inlet and outlet areas, the barrel and the surrounding environment to identify visible signs of deterioration, damages and blockages.

Sediment and Debris Removal:

If required, we implement measures to remove the accumulated sediment, debris or other obstructions that may affect the functionality of the culvert and contribute to future issues.

Structural Assessment:

Our team will evaluate the structural integrity of the culvert through visual inspections and when necessary, use non-destructive testing methods to identify any hidden defects or structural weaknesses.

Documentation & Reporting:

Compiling a comprehensive report that will include findings from the inspection, structural assessment outcomes and detailed recommendations for maintenance, repair or replacement. This report serves as a valuable tool for proactive asset management and regulatory compliance.



ADDITIONAL EXAMINATIONS

WHAT IS OUR OBJECTIVE:

Our primary objective of our services is to conduct Network Rail Standard Inspections and Assessments of these critical structures. Identifying potential issues, evaluating their current condition and providing actionable recommendations for maintenance, repair or further evaluation.

SCOPE OF WORK?

Signal Gantries:

Visual inspections of gantry structures, including support members, connections and foundations. Assessment of the electrical and mechanical components related to signal systems. Evaluation of corrosion, fatigue and generalised wear and tear.

Retaining Walls:

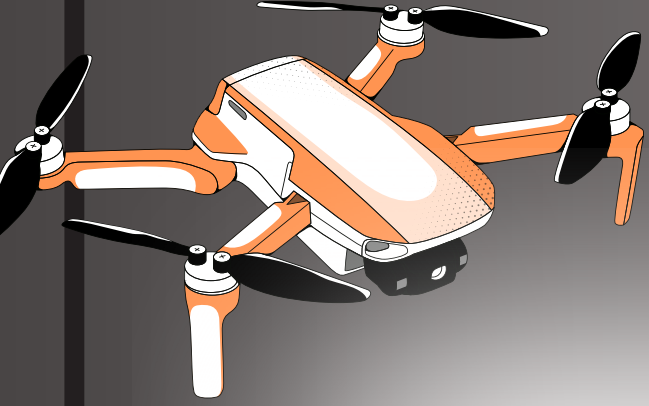
Inspections of the retaining wall structure include foundations and drainage systems. Analysis of the wall's stability, looking for signs of settlement or movement. Assessment of potential erosion and scour issues.

Underwater Examinations:

Inspections of the infrastructure that may span water courses and cannot be reached by foot. We use several methods of access from boats to pontoons. The inspection of these structures is slightly different to land structures, here we check the depths of water, silt and check for scour. With water being so damaging to our infrastructure, we follow these inspections with an extensive report compiled of all findings from our underwater examination.

Equipment Support Structures:

Inspections of support structures for various equipment, ensuring they meet safety and compliance standards. Evaluation of structural integrity and load-bearing capacity and overall assessment of corrosion and the effectiveness of protective coatings.



DRONE TECHNOLOGY

WHAT DOES THIS ENTAIL?

Enhancing your work with aerial precision. Drones provide unparalleled access to hard-to-reach areas such as elevated tracks, tunnels and bridges without the need for costly potentially hazardous manual inspections. This enhanced accessibility allows for more frequent and comprehensive assessments, thereby facilitating early detection of potential defects or safety concerns.

Safety First

Our drones enable thorough inspections of challenging areas on structures while ensuring complete safety for all personnel.

Rapid Response

Using our drones for urgent tasks can swiftly address areas requiring immediate attention.

In-Depth Analysis

Obtain real-time visuals of structures, uncovering potential defects invisible to the naked eye.

Efficiency Optimised

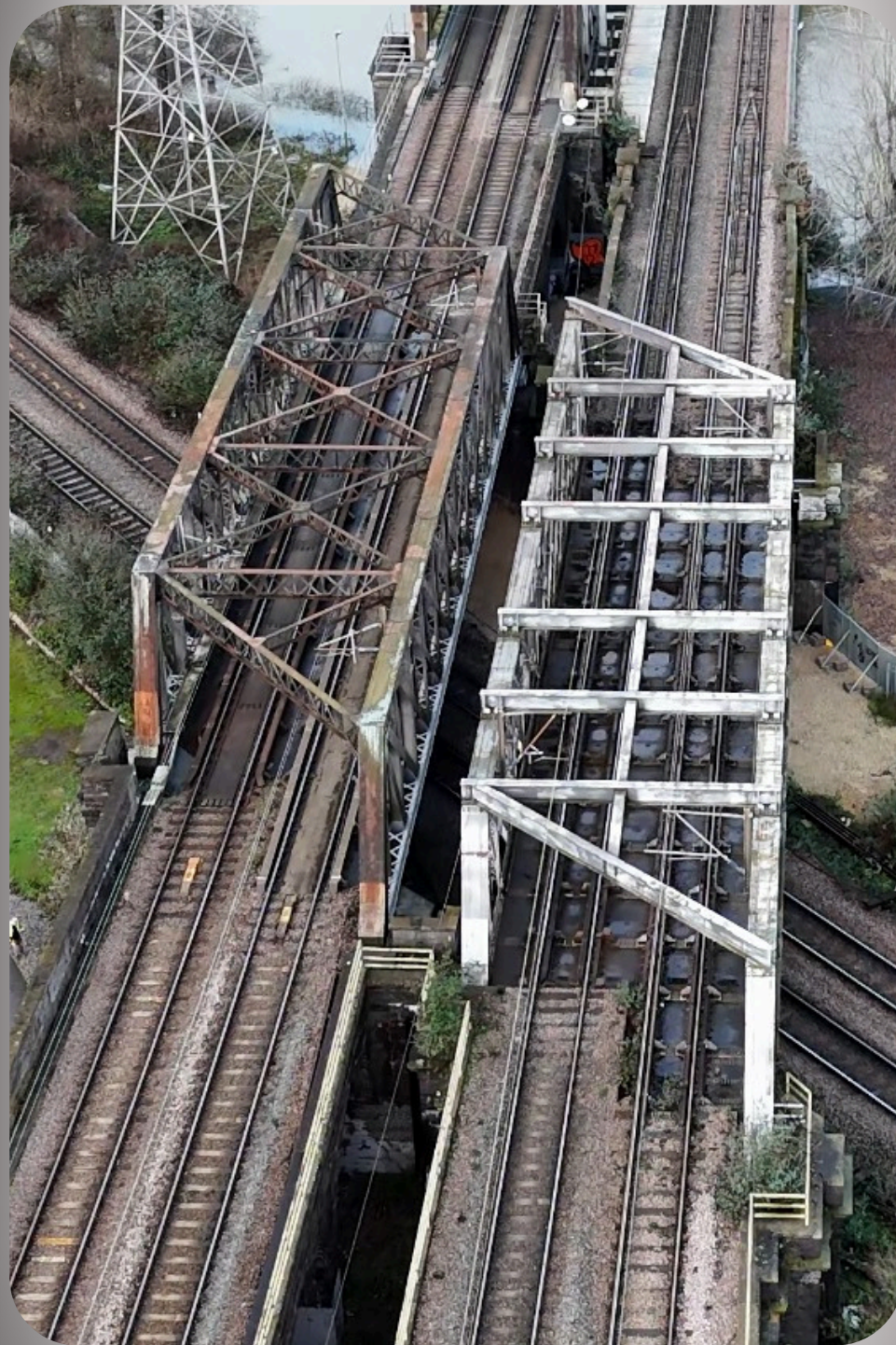
Minimise on-site labour requirements and any footage can be sent directly.

Seamless Delivery

Receive complete video footage directly, complementing any detailed reports.

Uninterrupted Operations

Gain comprehensive elevation and aerial perspectives of tracks without interfering with any on-track movement.





GET IN TOUCH

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GALLERY





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