

Midland Metro Limited (MML) –Track and Structures Asset Engineer

Post Title:	<u>Track and Structures Asset Engineer</u>
Department:	Infrastructure
Location:	Midland Metro Limited
Reporting to:	Infrastructure Manager
Direct Reports:	Civil and Permanent Way Team Leaders (dotted line)
Role Purpose:	<p>To support Midland Metro Ltd.'s mission which is to provide a safe, secure, reliable and sustainable tram service.</p> <p>To provide technical leadership in the management of track and civil infrastructure assets across the West Midlands Metro system. The role is responsible for ensuring the structural integrity, compliance, and long-term condition of all permanent way and civil assets. This includes supporting planned inspections, interpreting survey data, preparing works specifications, and maintaining a robust asset database using the Agility system. The postholder will work closely with maintenance teams, external stakeholders, and contractors to enable proactive and data-driven asset management.</p>
Role Responsibilities:	<p>Key Responsibilities:</p> <p><i>Track & Permanent Way Management:</i></p> <ul style="list-style-type: none"> • Provide expert technical support on all permanent way matters for the West Midlands Metro. • Maintain a comprehensive register of all track infrastructure, including geometry, formation, S&C, curvature, alignment, and asset metadata. • Review inspection and survey reports prepared by maintenance teams; identify trends and potential long-term faults. • Provide root cause analysis and technical support on permanent way issues. • Develop specifications for track renewals, repairs, and upgrade works. • Liaise with contractors and project teams to ensure the delivery of permanent way projects meets technical standards.

	<p><i>Civil Structures Management:</i></p> <ul style="list-style-type: none"> • Provide expert technical support on all structures matters for the West Midlands Metro. • Maintain the asset register for all civil structures, including bridges, retaining walls, culverts, platforms, and tunnels. • Manage general and principal inspections through external contractors, ensuring all works are planned, recorded, and tracked in the Agility system. • Write technical specifications and scopes of work for repair, refurbishment, and renewal activities based on inspection findings. • Conduct root cause investigations into structural faults and support development of remedial strategies. <p><i>Asset Management & Compliance:</i></p> <ul style="list-style-type: none"> • Oversee the input, update, and quality assurance of asset data within the Agility Asset Management System to ISO 55000 standards. • Ensure compliance with light rail standards, ORR guidance, and relevant civil and track inspection protocols. • Provide documentation and reports in support of audit, compliance, and operational planning processes. <p><i>Stakeholder Support & Asset Information Provision</i></p> <ul style="list-style-type: none"> • Act as a key liaison with internal teams, Transport for West Midlands (TfWM), external consultants, and project delivery partners. • Supply verified asset condition data and technical input to inform project development, design, and renewal planning. • Support capital delivery works and reactive projects by advising on asset interface, design standards, and site constraints. <p><i>Compliance, Safety & Documentation:</i></p> <ul style="list-style-type: none"> • Review and update technical procedures related to the inspection, maintenance, and renewal of track and civil infrastructure assets. • Support the Safety Management System by ensuring risk controls, RAMS documentation, and emergency response strategies for infrastructure faults are current and compliant. • Participate in audits and provide evidence of compliance with maintenance standards.
<p>Training Provided:</p>	<ul style="list-style-type: none"> • Training in line with Infrastructure competency matrix. • Undertake training and courses as required to effectively fulfil the duties of the role. • Personal track safety • RAIB accredited agent training • PICOP/PIC

	<ul style="list-style-type: none"> • IOSH • Agility Asset Management
Health & Safety:	<ul style="list-style-type: none"> • Ensure adherence to security protocols for personal safety and the safeguarding of company assets, including vehicles and workplace premises. • Comply with all health and safety regulations, policies, and instructions issued by management, promoting a safe working environment across the team. • Ensure appropriate safety equipment is utilized correctly and report any deficiencies or losses immediately to maintain operational safety standards. • Actively promote a safety-first culture, preventing actions that could compromise the health, safety, or welfare of employees, customers, or the public. • Ensure that all necessary safety measures and procedures are implemented, enforced, and effectively communicated to staff and contractors. • Promptly report any accidents, incidents, or near-miss events to management within the specified timeframe and ensure proper documentation is completed. • Lead and cooperate in incident investigations, taking a proactive role in implementing corrective actions and lessons learned to prevent future occurrences. • Engage fully in required health and safety training, ensuring that both personal and team compliance are maintained at the highest standard. • Identify and address potential hazards or faulty equipment by ensuring timely corrective measures are implemented to maintain a safe working environment.
Decision Making Authority:	<ul style="list-style-type: none"> • Operate within the scope of the job's responsibilities, making decisions in line with the role and organisational policies.
People Management:	<ul style="list-style-type: none"> • No direct reports but responsible for contractor work on Project activity
Legislation & Compliance:	<ul style="list-style-type: none"> • In common with the whole rail industry, the successful applicant will be required to pass a stringent drugs and alcohol test

	Level of Experience	Desirable or Essential
Work Experience and Education:	<p><i>Essential Experience and Qualifications:</i></p> <ul style="list-style-type: none"> • Minimum 5 years of experience in track or civil infrastructure maintenance within light rail, heavy rail, or equivalent transport sectors. • HNC or equivalent Level 4 qualification in Civil Engineering, Rail Engineering, or Track Infrastructure. • Proven experience in supporting general and principal inspection regimes. • Working knowledge of rail or tramway permanent way systems and structural infrastructure. • Familiarity with asset management systems (preferably Agility or equivalent). • Experience writing technical specifications for works, renewals, or remedial interventions. • Working knowledge of CDM Regulations and infrastructure safety standards. • Proficient in Microsoft Office and technical asset systems, and survey analysis tools) <p><i>Desirable Qualifications and Competencies:</i></p> <ul style="list-style-type: none"> • HND or Foundation Degree in Civil or Rail Engineering • Membership of a relevant institution at EngTech level • Experience using ClearRoute, GEDO Suite, LiDAR, or other survey interpretation tools • Training in ISO 55000 principles of asset management • Familiarity with Network Rail standards such as NR/L2/TRK/001 and STE04/STE07 (adapted to light rail application) 	<p>Essential</p> <p>Desirable</p>
Skills and Attributes:	<ul style="list-style-type: none"> • Strong analytical, technical, and report-writing skills • Excellent interpersonal and communication abilities • Strong understanding of safety principles and operational risk • Proactive, detail-oriented, and capable of managing multiple priorities • Makes independent decisions within scope of responsibilities • Manages work delivered by contractors relating to asset inspections and renewals • No direct line reports but acts as technical coordinator and liaison across teams 	Essential

	<ul style="list-style-type: none"> Full UK driving licence required 	
Personal Attributes:	<ul style="list-style-type: none"> To be trustworthy To be reliable and punctual To take pride in their appearance and adhere to the Company Dress Code Policy and Procedures 	Essential
Drugs & Alcohol	<ul style="list-style-type: none"> Must pass a stringent drugs and alcohol test, in line with industry standards. 	Essential