



Role:	Project Engineer MREP - Metrolink
Directorate:	Metrolink
Salary Band:	8
Post reference:	ML64B
Job Evaluation Date:	28.08.2019
Role statement of purpose:	To manage Multidisciplinary Engineering support to TfGM Metrolink Renewals and Enhancement projects, ensuring works are specified, designed and constructed to the desired quality and reliability to realise the benefits required from the works.
Reports to:	Metrolink Engineering Manager

	Key Role Outputs(KROs) <i>these set out what must be achieved for the post holder to be successful in the role</i>	Key Actions <i>These set out how the KROs will be achieved – the activities required.</i>
1.	Engineering Assurance of TfGM projects	<ul style="list-style-type: none">• Specify engineering asset functional requirements for renewals and enhancement works.• Support the production of designs for renewals and enhancement works.• Review proposed specifications, designs and delivery of multi-disciplinary engineering associated with Projects. Responsible for the acceptance and "sign off" of these documents.• Manage and co-ordinate contractors works on site with regard to engineering activities.• Undertake reviews / audits of design and/or construction activities, monitoring safety, environment and ensuring quality of design, construction, testing and commissioning and management systems are adequate.• Draft technical contract compliant works information and collate key contract site information.• Review health & safety files, project documentation and handback information• Manage the engineering aspects of project handback into maintenance and operation.
2.	Provide Technical Support / Specialist Knowledge	<ul style="list-style-type: none">• Provide specialist technical knowledge of the infrastructure engineering disciplines to support projects and assist the Metrolink Asset engineers in the following assets:

		<ul style="list-style-type: none"> ○ Civils ○ Track ○ Electrification & Plant including OLE ○ Signalling & Telecoms ○ Stops (Stations) and Customer facing assets <ul style="list-style-type: none"> ● Manage the relationship of consultants' and contractors' proposals to ensure that they meet TfGM's requirements. ● React to technical issues on Metrolink, attending relevant incidents . ● Prepare technical briefs on development projects, identifying appropriate design standards and appraising design proposals
3.	Site inspections	<ul style="list-style-type: none"> ● Identify and manage project defects and quality issues during construction, handback and initial operation period. Maintain records and ensure items are closed out as directed by project management. ● Visit sites regardless of weather conditions to undertake site inspections and address urgent technical matters
4.	Responsibility for the work of others	<ul style="list-style-type: none"> ● Build and maintain key relationships with contractors, consultants, stakeholders and other third parties. ● Introduce new proposals, negotiate, Influence and achieve delivery of best value from these parties. ● Establish a strong and reliable working relationship with role equivalents within maintainer organisations. ● Work closely with the relevant TfGM's Project managers to provide technical support in the delivery of Projects.
5.	Ennsure Metrolink's assets comply with legislative and other requirements	<ul style="list-style-type: none"> ● Ensure compliance with all legislation and other requirements relevant to engineering projects. ● Keep up to date with all appropriate health and safety and other legislation, and to modify and implement appropriate work programmes ensuring that all relevant records are kept up to date. ● Review project plans, task briefs, method statement and Health & Safety files ● Manage technical risks associated with Metrolink assets ● Understand and implement "As Low as Reasonably Practicable" (ALARP) principles
6.	Review Tenders and Project Proposals	<ul style="list-style-type: none"> ● Review tenders and proposals from contractors and evaluate the technical aspects as required by programme management
Compulsory Outputs (COs) <i>these set out what must be achieved for the post holder to be</i>		Key Actions <i>These set out how the COs will be achieved – the activities required.</i>

successful in the role

C1	Ensure you comply with all applicable organisational legislation and policy:	<ul style="list-style-type: none"> • Data Protection legislation • TfGM Safety Management System • Dignity at Work Policy; • Risk Management • Equality and Diversity legislation • TfGM Vision and Values • TfGM's Behaviours and Competencies
C2	Any other reasonable duties as required from time to time	

Key Interdependencies

Key Contacts	Head of Metrolink Metrolink Engineering team Metrolink Operations Team Projects Group Metrolink Operator and maintainer Metrolink Contractors TfGM Procurement team
Direct reports	None
Budgetary responsibility	None
Location	TfGM, 2 Piccadilly Place, Piccadilly, Manchester, M1 3BG

Office Use Only	Updated	Updated	Updated	Updated	Updated
Created					
D Everson 10/4/19	T Cook 30/08/2019				
HR Verification					
Cahtryn McGarvey 30/08/2019					

Project Engineer MREP - Metrolink <i>(Knowledge, skills and experience required at selection stage)</i>	
E	Essential Experience:
E1	Significant experience in light or heavy rail
E2	Demonstrable design experience
E3	Basic level experience of working on construction sites
E4	Working knowledge of relevant light rail legal requirements, standards, codes and best practice
E5	Good interpersonal skills that will enable excellent working relationships to be developed with TfGM's contractor(s)
E6	Demonstrable experience in managing technical interfaces with different technical disciplines and with other projects
E7	Computer literate, particularly with Microsoft Office software
E8	Educated to degree level or equivalent in an engineering discipline
E9	Experience in the design or management of technical systems
D	Desirable experience:
D1	Proven experience in aspects of the planning, design, construction, testing and commissioning operation and maintenance of Light Rail Systems.
D2	Previous experience and knowledge of Network Rail System in respect of the project engineering of track/civil engineering
D3	Similar position on Metrolink or another Light Rail System.
D4	Demonstrable experience of working effectively with contracted suppliers of services.
D5	Demonstrable continuing professional development activity.
D6	Demonstrable experience of use of contracts.
EQ	Essential Qualifications – Technical, Vocational or educational:
EQ1	Technically qualified to degree level, ideally in Civil Engineering
EQ2	Competent in the use of software including Microsoft Office applications
DQ	Desirable Qualifications – Technical, Vocational or educational:
DQ1	Member of an Engineering Institution
DQ2	Personal Track Safety qualification.
DQ3	Professional Qualification in a recognised Engineering Institution (e.g. Chartered Engineer)
DQ4	Able to walk on uneven ballast
EA	Essential Attributes:
EA1	Able to communicate efficiently to a variety of audiences clearly and concisely together with excellent listening skills
EA2	Good organisational and administrative skills
EA3	High level of numeracy
EA4	Ability to produce high quality work to tight deadlines
EA5	Flexibility and willingness to adapt to changing working environments
EA6	An understanding of political sensitivity
EA7	Holder of or physically healthy to pass Railway Medical to obtain Personal Track Safety Qualification (PTS)
DA	Desirable Attributes:
DA1	Understanding of the regulatory environment within which the role will be performed
DA2	Understanding budgetary constraints

