
(KELTBRAY HIGHWAYS LTD)

(Market Gate Pedestrian Bridge) (HI7409)

START DATE: 06/12/21

DURATION:52 Wks

Approvals

The signatures below certify that this plan has been reviewed and accepted, and demonstrates that the signatories are aware of all the requirements contained herein and are committed to ensuring their provision.

	Name	Signature	Position	Date
Prepared by	Jake Hargreaves		Site Manager	02/12/2021
Reviewed by	Jeremy Blom		HSQE Manager	10/12/2021
Approved by	David Fidler		Senior Project Manager	

Amendment Record

This Construction Phase Health and Safety Plan is reviewed to ensure its continuing relevance to the project. A record of contextual additions or omissions is given below:

Page No.	Context	Revision	Date
	First Revision	Rev A	02/12/2021
	Second Revision – Keltbray H&S Manager Comments	Rev B	10/12/2021
	Third Revision	Rev C	
	Fourth Revision – Watermans Comments	Rev D	28/06/2022

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APPENDIX H – WELFARE LEGISLATIVE REQUIREMENTS

This Construction Phase Health and Safety Plan has been compiled in accordance with the 'Construction (Design and Management) Regulations 2015', it is not a stand-alone document and should be read in conjunction with further site specific plans as referenced.

This plan has been developed in conjunction with the pre-construction health and safety plan and information provided by the client and appointed Principal Designer.

1. Project Description

1.1 Site Location:

The new footbridge is to be located at National Grid Reference NGR 434745,406409 and is to provide pedestrian access over the existing Main line of the Barnsley to Penistone route at the location of the existing Jumble Lane level crossing on Kendray Street, Barnsley.

1.2 Scope of Works:

As part of wider re-development of Barnsley town centre, a new pedestrian overbridge crossing above the Barnsley to Penistone Railway is proposed. The proposed structure is a steel cable stayed structure which comprises a longitudinal trapezoidal box girder supported by cables which are anchored to an A-frame pylon. The structure is supported on reinforced concrete abutments at each end of the deck. The overall length of the structure between bearings located at each end of the deck is 61m which comprises a main span of 45.5m and a back span of 15.5m. The minimum width of the deck between parapets is 5.0m. The abutments and pylons are to be supported on shallow reinforced pads supported by piles. The surrounding areas will be landscaped and pedestrianised with public realm elements constructed.

2. Programme

2.1	Start Date:	05/07/22	Finish Date: 06/07/23
2.2	Duration:	52 weeks	
2.3	Milestones:		
2.4	Planned possessions for bridge installation -	29/10/22 – 17/12/22	
2.5	Piling -	13/07/22	
2.6	Lifts -	22/12/22	
2.7	Construction Programme:	See Appendix A	

3. Project Directory

Party	Job Title	Company Name	Name	Number	Email
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Client	Council Representative	BMBC	Carl Jeffreys	07584443868	
Client	Project Manager	AECOM (On behalf of BMBC)	Kevin Smith	07780226122	
Client	Supervisor	AECOM (On behalf of BMBC)	Ben Raynes	07880472998	
Principle Designer		Watermans	Javinder Singh	07776292599	
Principle Designer		Watermans	David Matthews	07917811101	
Principle Contractor	Operations Director	Keltbray	Andy Carson	07794031977	
Principle Contractor	Operations Manager	Keltbray	Conrad Atkinson	07970136527	
Principle Contractor	Senior Project Manager	Keltbray	David Fidler	07970136584	
Principle Contractor	Site Manager	Keltbray	Jake Hargreaves	07538677733	
Principle Contractor	H&S Manager	Keltbray	Jeremy Blom	07976348771	
Principle Contractor	Senior Engineer	Keltbray	Chris Southwell	07809686999	
3 rd Party	Construction Manager	Network Rail	Dave Franks	07701052718	
Sub-Contractor	Operations Manager	MTN Structures Ltd	Daniel Nolan	07971433109	
Sub-Contractor	Operations Manager	SH Structures	David Perry	07709412273	
Sub-Contractor		Kone	Barry King	07880273691	

4. Details of Project

- 4.1 Project F10 / N10 (Northern Ireland) See Appendix B
- 4.2 Project and Site Organisation: See Appendix C
- 4.3 Project Teams Roles and Responsibilities: See Appendix D
- 4.4 Guidance on Responsibilities under CDM15: See Appendix E
- 4.5 Contract Conditions: *NEC*
- 4.6 Contract Specifications:
- 4.7 ASB5:
- 4.8 ASB1

5. Health and Safety Aims for the Project

5.1 Project Objectives and Targets: Zero Service strikes Zero RIDDORS

5.2 Clients Objectives and Targets: Zero Service Strikes Zero RIDDORS

5.3 Ensure that when planning and arranging work that identified hazards are considered and assessed, so that adequate controls may be implemented and briefed to the teams.

5.4 All work carried out on this project shall be in accordance with current Health & Safety legislative requirements and undertaken safely and expediently to required quality standards including Keltbray Health and Safety Policies, Management Systems

5.5 Ensure co-operation of all project managers, supervisors and operational workforce to deliver the project safely.

6. Project Hazards Identified by the Client

- Underground Services
- Live railway
- Pedestrian management
- Lifting Operations

7. Site Rules and Induction

All persons arriving on site will be subject to a mandatory Site Specific Induction, the content of this shall be determined dependent on the individual role. I.e. Visitors, Full.

All information relating to the site rules to be followed and adhered to on this site, are detailed within the Project Specific Induction and will be briefed upon arrival to site.

The latest revision of this is available in the Site Management System in File No.B5 Available on site and on the shared drive.

8. Arrangements to Ensure Co-operation between Project team members and coordination of their work

8.1 Details of Site meetings, frequencies and attendees:

- Safety – Weekly – Site team
- Progress – Monthly – Site team, Client, Designers, Stakeholders
- Logistics – Weekly – Site team
- Exchange of design information – TBA
- Subcontractor – Weekly – Site team, Contractors
- Security – Daily – Site team ongoing with Security contractor
- Neighbourhood Liaison – Fortnightly – Site team and PLO

8.2 Fast Draft – EWN's, Design Information, PMI's will all be exchanged through Fast Draft

9. Arrangements for involving Workers (Communication)

9.1 - Site Induction

All site personnel to attend a site induction on first arrival where job specific induction is presented outlining job description and all health and safety information. No one is allowed on site without firstly attending a site induction.

9.2 Communication Types:

Keltbray operate an 'Open Door' Policy to encourage all persons on site to communicate directly to any supervisory staff any hazards, concerns or suggestions they may have to improve the health, safety, environmental and working conditions of the site.

This is enhanced by the Keltbray SOS suggestion scheme and 'Refusal to Work' policy.

In addition to this a worker engagement programme specific to the projects needs shall be developed and be managed by our Training and Development Team.

<u>Type of Communication</u>	<u>Frequency (as a minimum)</u>
Daily Activity Briefings	Daily
RAMS Briefings	Prior to starting task/ following review
Worker Engagement	Weekly
Tool Box Talks	Weekly
Behavioural Safety	Weekly

10. Safety Manual and Procedures

The Keltbray Health and Safety Policies, Manual, Procedures, Guidance, Forms and Templates are held within the Keltbray Management System (BMS)

The system is to be used for all referencing as it contain the latest revisions of all documentation.

Further guidance is available from the Business Compliance Manager or the Group Compliance Team.

11. Training

The Keltbray project team shall ensure that all persons on site are trained and have adequate skills, knowledge and experience to carry out the tasks relevant to their work.

Up to date training records for all employees are available within the training database along with copies of certification, these are held electronically within the Training folder of the company S: Drive which are available for viewing and printing.

12. Contractor Documentation

Prior to commencing any works all contractors shall provide in advance all documentation relating to COSHH, Noise, Risk Assessments and Safe Systems of Work relating to their operations and activities. All personnel arriving on site must be in possession of an appropriate CSCS/CPCS/NPORS card and any competency certification relating to the tasks they plan to carry out. It shall be mandatory for every contractor to complete and take part in any briefings, communications and work in line with project/company policies and procedures.

12.1 Existing Services

Existing stats plans will be issued by the employer to the main contractor for review before any works commence.

Current stats plans will be acquired prior works commencing and at stipulated frequencies throughout the project.

13. Arrangements for controlling Significant Site Risks

(Risk Assessments and Method Statements)

All site risks and hazards shall be managed by site and task specific risk assessments, the risk assessments shall take into consideration the hazards associated with individual tasks, current legislation and regulations, any hazards identified by the client, the individuals carrying out the task and the environment in which the task is to be carried out. When all the risks have been identified the competent person completing the risk assessment shall then develop suitable and efficient controls to reduce the risks in line with the policy, procedures, work instructions and guidance documents held within the Keltbray Management System and the site specific rules.

The main hazard identified on this site is working adjacent to a live railway. Controls measures will be put in place such as exclusion zones set up, additional SLG where appropriate and ongoing liaison with Network Rail.

Following completion of the risk assessment a method statement shall be established taking into consideration all control measures and checked and approved by the site management team.

All Safe Systems of Work shall be briefed to all persons involved prior to starting any works.

All risk assessments and Method statements which are still live, shall be reviewed whenever site conditions change, or at least every 6 months as a minimum to ensure compliance with working practices and site conditions.

All risk assessments and method statements which are provided from sub-contractors will be issued to Keltbray in advance of the works for approval of compliance. Once this process is complete and only when the RAMS have received the approval from the site management team will the sub-contractor be able to begin works.

All master copies of Risk Assessments and Method Statements shall be held in the Site Management System in File No. D.

13.1 Waste Management

Materials must be handled and stored correctly in order to avoid damaging them and producing more waste. Measures should be taken to apply the waste hierarchy by preventing, reusing and recycling waste where possible, in line with appropriate controls.

Suitable skips/ bins/ storage locations must be identified on site for the storage of wastes. Wastes must be segregated where required and practical (e.g. hazardous wastes must be segregated from other hazardous and non-hazardous wastes).

All waste transfer notes and hazardous waste consignment notes from both Keltbray and its sub-contractors will be handed to the project team and held in the waste management plan.

13.2 Additional hazards

Where an activity identifies on a survey as a hazard not covered by the normal scope of works this will be documented and communicated to the team undertaking the activity on a task specific RAMS. Project Management will prepare RAMS for the effective management of all activities with significant risks to Health & Safety; these shall include, but not limited to the following:

- Site initiation and enabling works
- The unloading, storage and distribution of materials.
- The movement of vehicles on site, particularly as this affects pedestrian and vehicular safety.
- Control and disposal of waste.
- The provision and use of common means of access and places of work.
- The provision and use of temporary services (e.g. electricity).
- Temporary support structures (e.g. falsework and ground support).
- Commissioning, including the use of permit-to-work systems.
- Work at height and protection from falling materials.
- Exclusion of unauthorised people/protection of the general public.
- Conditions affecting health such as noise and vibration.
- Lifting operations are to be controlled by use of a lift plan and supervised by a competent person.
- All plant and equipment to be maintained and have testing / calibration certification in accordance with the relevant operating procedure.

14. Pre-Construction Risk Register

The Pre-Construction risks identified by the Client, Designer and Principal Designer is held on the project specific team on Microsoft teams – Rev A.

15. Project Risk Register

See Appendix F

16. Emergency, Fire, Accidents and First Aid

The project shall establish site emergency and fire plans specific to the contract and individuals have been appointed to carry out the roles and responsibilities in regards to managing these roles when the need occurs.

Persons appointed as First Aiders, Fire Wardens and Emergency Coordinator shall be identified on sites and notices across the site and within the Emergency, Fire and Major Incident Plans.

A Project Emergency Contact List with internal and external contact telephone numbers and routes to the nearest Accident and Emergency Department is held in Appendix G, this shall be displayed on noticeboards.

The latest revision of the Emergency and Fire Plans are available in the Site Management System in File No. B.

In the case of an accident or incident on site please follow the process detailed within H&S_PRO_008 – Accident and Incident Reporting.

GRP-COMP-PRO-012 – Emergency Preparedness procedure details the protocol to follow in the event of an emergency. In the case of a Major Incident the protocol to be followed is detailed in Procedure: GRP-COMP-PRO-023– Major Incident-Immediate Response these are both held within the Keltbray Management System.

17. COSHH

To ensure the compliance with legislation and regulations associated with the Control of Substances Hazardous to Health Keltbray subscribe to the 'COSHH online Management Tool – Chemwatch The online system holds all data and assessments associated with all individual substances and tasks relating to this project.

18. Control of Access and Security

Keltbray shall ensure that all sites under their control are secure in order to protect the general public and all members of the workforce.

All persons entering the site shall be subject to a site induction, the level of this induction shall be relevant to purpose of their attendance.

All persons entering the site are to sign in and all visitors are to be accompanied at all times by a supervisor or designated guide.

19. Health and Safety File

Throughout the contract all documentation and records shall be maintained and used to collate the Health and Safety File. Upon contract completion the file shall be sent to the project assigned Principal Designer.

20. Supplier and Subcontractor Management

All contractors shall be appointed in line with Keltbray procedures, be vetted and placed on the approved list. Their health and safety performance on site will be regularly appraised and the database updated.

It shall be mandatory for every contractor to complete and take part in any briefings, communications and work in line with project/company policies and procedures.

21. Temporary Works

All temporary works associated with Keltbray Operations shall be in accordance with our Temporary Works Procedure held within the Management System. It is mandatory that all temporary works carried out on this project are completed in accordance with this.

The procedure deals with the two phases of procurement namely Pre-Construction and Delivery and as such applies to Pre-Construction Director, Estimating Teams, Operations Directors, Project Managers, Site Teams, Wentworth House Partnership and sub-contractors.

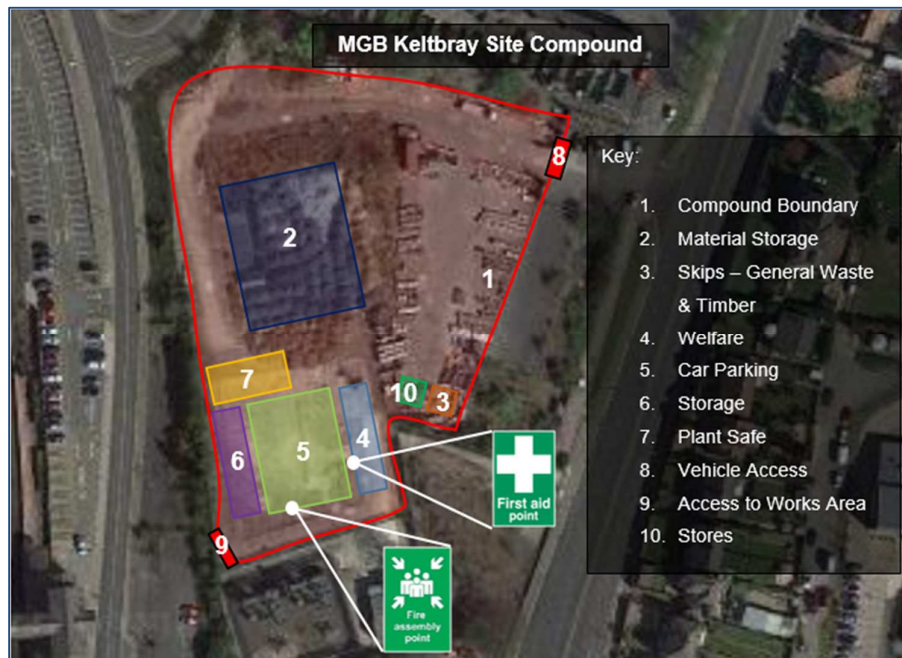
Keltbray exclusively and uniquely benefit from Wentworth House Partnership the company's internal in-house temporary works consultancy arm, where significant interaction is required to deliver the requirements of this procedure.

Temporary Works management remains the responsibility of Keltbray whether or not the work is carried out by a subcontractor.

All temporary works designed via Wentworth House or any other sub-contract designer on this project will be submitted to BMBC and Network Rail for approval in line with the programme.

22. Welfare & Site Compound Layout

All Welfare facilities provided by Keltbray shall be in full compliance of the Construction (Design and Management) Regulations and Workplace (Health, Safety and Welfare) Regulations. A guide to the Workplace (Health, Safety and Welfare) Regulations is available in Appendix H. The exact number, location and area of facilities shall be determined on a project phase basis as will be dependent on the resources required.



23. Personal Protective Equipment

It is Keltbray's policy to adopt a minimum standard PPE at its work locations. The wearing of the following 5 points of PPE is mandatory at all times:

- Safety Helmet
- Class 3, long sleeved high vis ARC protection
- High vis trousers, ARC protection
- Gloves
- Safety Footwear with ankle protection (Lace-up ankle boots with mid sole protection. Rigger boots are banned at all Keltbray work locations)

In addition to the above the minimum dress code shall be long trousers and shirts/tops with short sleeves.

The Safe System of Work being followed shall identify any additional PPE requirements.

A Personal Protective Equipment Procedure is available on the Keltbray Management System to provide instruction and guidance on Personal Protective Equipment in the workplace and the effective and safe use and maintenance of it to all persons working for and on behalf of the Keltbray Group of companies.

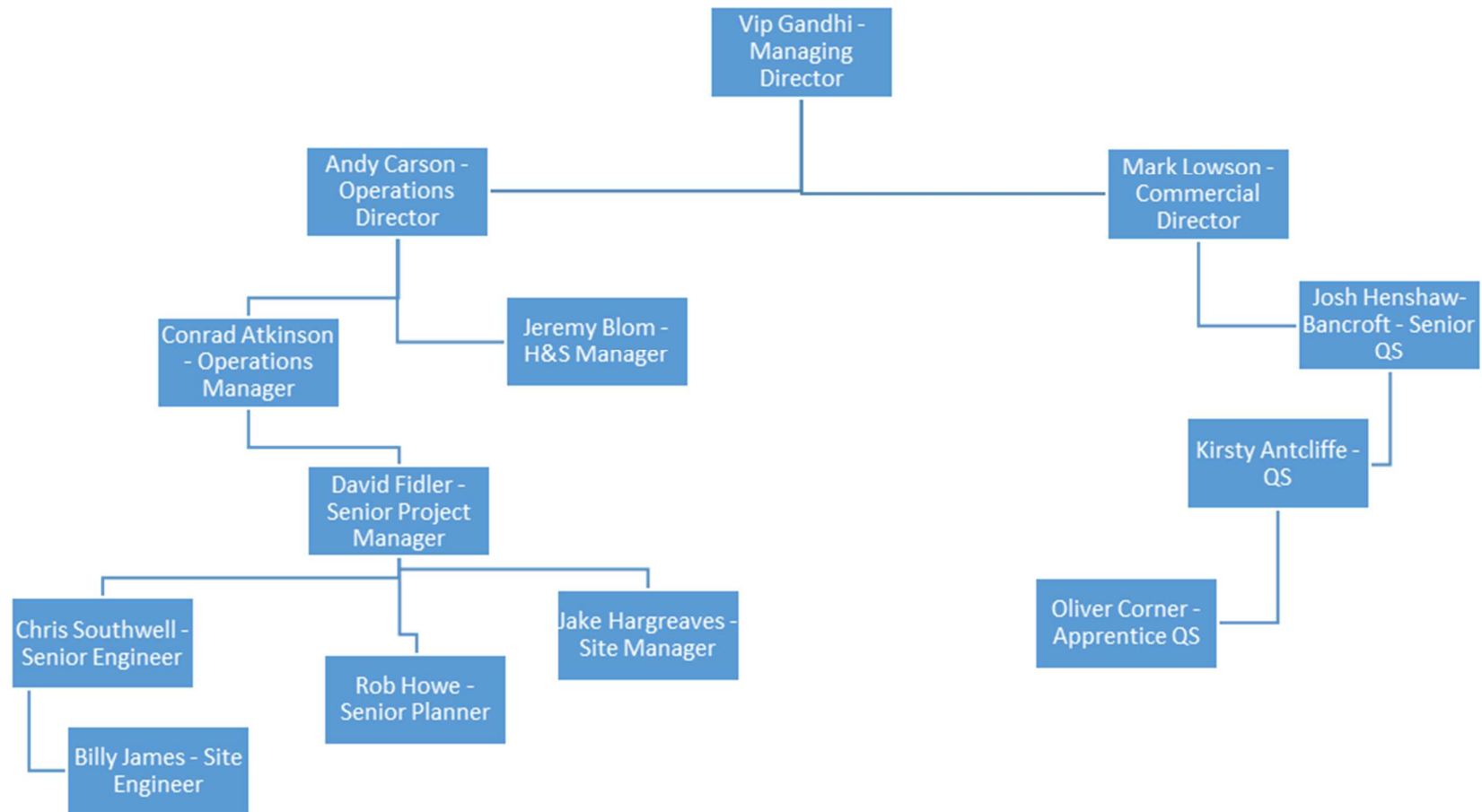
Please note – Personal Protective Equipment should only be used as a last resort.

APPENDIX A – Programme

Programme Located on Server

APPENDIX B – F10 / N10 (Northern Ireland) Notification

APPENDIX C – Project Organisation Chart



APPENDIX D – Project Roles and Responsibilities

Project Roles and Responsibilities		
<u>Role</u>	<u>Name</u>	<u>Signature</u>
Operations Director	Andy Carson	
Project Manager	Dave Fidler	
Project Engineer	Conor Anstey	
Site Manager	Jake Hargreaves	
Site Engineer	Chris Southwell	
Site Engineer	Billy James	
Site Supervisor		
COSHH Co-Ordinator	Jeremy Blom	
False Work/Temporary Works Co-Ordinator	Dave Fidler	
Temporary Works Supervisor	Jake Hargreaves	
Inspection of Fall Protection Measures Register	Dave Fidler	
Appointed Person –Lifting Operations	TBC	
Lifting Supervisor	TBC	
Emergency Co-Ordinator	Dave Fidler	
Deputy Emer. Co-Ord.	Jake Hargreaves	
First Aider	Please Refer to Site Notice Boards	
Fire Warden	Please Refer to Site Notice Boards	
Safety Manager	Jeremy Blom	
Safety Adviser	TBC	

Environmental Manager	Kiro Tamer	
Environmental Adviser	Jeremy Blom	
Quality Manager	Debbie Richardson	
Inspection and Test Plans	Dave Fidler	
Permits to Work	Billy James	
R.A.M.S Approval	Jake Hargreaves	
Induction Training	Jake Hargreaves	
Tool Box Talks	Sean Flaherty	
Electrical Eng/Contractor	N/A	
Traffic Management	Direct TM	
Waste Management	Jake Hargreaves	
Fuel storage/Management	Jake Hargreaves	
Document & Data Control	Jake Hargreaves	
Project Administrator	Oliver Corner	
Quantity Surveyor	Kirsty Antcliffe	

This list is not exhaustive, please see specific site notices.

APPENDIX E – Guidance on CDM 2015 Duty Holders Responsibilities

The following outlines the definition of the duty holder and their responsibilities with regards to CDM 2015.

Clients: Organisations or individuals having a construction project carried out.

- Make suitable arrangements for managing project and welfare
- Make sure relevant information is prepared and provided to all the other duty holders
- Ensure the Principal Designer and Principal Contractor carry out their duties
- Ensure all appointed duty holders have the knowledge, skills and experience to carry out their role
- Make the notification F10 to the HSE / N10 to the HSENI where required

Designers: Those who as part of a business prepare or modify designs for a building product or system relating to construction work

- When preparing or modifying designs to eliminate, reduce or control risks, addressing 5 stages of people i.e. Preparation, Construction, Maintenance, Cleaning, User
- Provide information to the project team members to help them fulfil their roles
- Provide relevant information for inclusion into the Health and Safety file
- Plan, monitor and coordinate Health and Safety in the pre-construction phase to identify, eliminate or control risks and ensure designers carry out their duties

Principal Designer: Designer(s) appointed by the Client in projects involving more than one contractor

- All duties as under Designers and including the following:
- Prepare and provide relevant information to other duty holders
- Liaise with Principal Contractor to help plan, manage, monitor and coordinate the construction phase of a project

Principal Contractors: Appointed by the Client to coordinate the construction phase of a project where it involves more than one contractor

- Plan, manage, monitor and coordinate the construction phase of a project
- Liaise with Client and Principal Designer
- Prepare the construction Phase Health and Safety plan and have in place prior to start of works
- Organise and coordinate their works
- Ensure all persons are site inducted
- Ensure reasonable steps are taken to prevent unauthorised access
- Ensure that adequate welfare facilities are provided and maintained

- Ensure that workers are consulted and engaged in securing their health and safety
- Finish and issue the Health and Safety file

- **Contractors: Those who do the construction work**

- Plan, manage and monitor construction work under their control so it is carried out without risks to Health and Safety
- For projects with multiple contractors, coordinate their activities with others in the project team
- Comply with directions from the Principal Designer or Principal Contractor
- If only contractor, prepare Health and Safety Plan
- Provide information for Health and Safety Plan to the Principal Contractor

Workers: People who work for or under the control of contractors on a construction site

- Must be consulted on all matters affecting their Health and Safety and Welfare
- Take care of their own Health and Safety and others who may be affected by their actions
- Report anything they see which they feel will endanger their own or others Health and Safety
- Cooperate with their employer, fellow workers, contractors and other duty holders

Further guidance on the legal duties under Construction (Design and Management) Regulations 2015 can be sought from the HSE guidance document L153 – Managing Health and Safety in Construction.

L153 – Managing Health and Safety in Construction describes:

- The law that applies to the whole construction process on all construction projects, from conception to completion; and
- What each duty holder must or should do to comply with the law to ensure projects are carried out in a way that secures health and safety.

APPENDIX F – Project Risk Register

This section highlights the potential risks and unknowns relating to the Market Gate Pedestrian Bridge project.

Item No.	Description	Risk Best Managed By:		Mitigation
		Keltbray	Client	
01	RTA on live carriageway	Y		Employ Competent TM company
02	Piling within Network Rail boundary	Y		Track monitoring
03	Theft of Plant and Equipment	Y		Use CCTV cameras around Plant and Equipment
04	Lifting of structures	Y		Contract lifts with sufficient design checks
05	Interaction with public	Y		Segregation of works with sufficient SLG

APPENDIX G – Emergency Contact List

Emergency Contact Details		
Project Market Gate Pedestrian Bridge	Address Market Gate Barnsley S71 1AY	
In the event of an incident or a suspected incident, the Project Manager / Appropriate Person will assume control of the situation and direct the immediate response through delegation, if necessary.		
Emergency Services	999	
Local Police	999	
Doctor (if applicable)		
HSE	0345 300 9923	
Environment Agency	Emergency Number 0800 807060	
Electricity	0800 375 675	
Gas	0800 111 999	
Water	0800 573 553	
Telecoms	0800 0232023	
Oil or Gas Pipeline (British Pipeline Agency)	01827 63708	
Environmental Agency	0800 807060	
Keltbray Contact Order		
First Contact	Dave Fidler 07970136584	
Second Contact	Jake Hargreaves 07538 677733	
	Contact Name	Telephone Number
Operations Director	Andy Carson	07794 031977
Project Manager	Dave Fidler	07970 136584
SHE Adviser	Jeremy Blom	07976 348771
Client Contact	Carl Jeffreys	07584 443868
Contractor	TBC	
Contractor	TBC	

Contractor	TBC	
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DISPLAY ON SITE NOTICE BOARDS

APPENDIX H – Welfare Legislative Requirements

All Welfare facilities provided by Keltbray shall be in full compliance of the Construction (Design and Management) Regulations. The following standards shall be followed as a minimum standard with the number, space and area of facilities determined on an individual project basis dependant on project resource requirements.

- **Toilets** - Keltbray will provide a suitable and sufficient number of WC's (not urinal) for use by operatives and visitors on site. They will be:
 - Provided or made available at readily accessible places.
 - Be adequately ventilated and lit.
 - Sanitary conveniences and the rooms containing them must be kept in a clean and orderly condition
 - Separate rooms containing sanitary conveniences must be provided for men and women, except where and so far as each convenience is in a separate room, the door of which is capable of being secured from the inside.
- **Washing Facilities**
 - An adequate hot and cold washing facilities (including soap, towels or dryers), and showers if required by the nature of the work or for health reasons and it is deemed practicable.
 - In the immediate vicinity of every sanitary convenience, whether or not also provided elsewhere and in the vicinity of any changing rooms.
 - Rooms containing washing facilities must be sufficiently ventilated and lit.
 - Washing facilities and rooms containing them must be kept in a clean and orderly condition.
 - Separate washing facilities must be provided for men and women, except where they are provided in a room the door of which is capable of being secured from the inside and the facilities in each room are intended to be used by only one person at a time.
- **Drinking Water**
 - An adequate supply of wholesome drinking water must be provided or made available at readily accessible and suitable places.
 - Where necessary for reasons of health or safety, every supply of drinking water must be conspicuously marked by an appropriate sign.
 - Where a supply of drinking water is provided, a sufficient number of suitable cups or other drinking vessels must be provided, unless the supply of drinking water is in a jet from which persons can drink easily.
- **Changing rooms and lockers**
 - Suitable and sufficient changing rooms must be provided or made available at readily accessible places if a worker has to wear special clothing for purposes of construction work and cannot for reasons of health or propriety be expected to change elsewhere.
 - Where necessary for reasons of propriety, there must be separate changing rooms for, or separate use of rooms by, men and women.
 - Changing rooms must be provided with seating and include where necessary, facilities to enable a person to dry any special clothing and any personal clothing effects.
 - Suitable and sufficient facilities must, where necessary, be provided or made readily accessible places to enable persons to lock away any special clothing not to be taken home, their own clothing which is not worn during working hours and their personal effects.
- **Facilities for Rest**
 - Suitable and sufficient rest rooms or rest areas must be provided or made available at readily available places.
 - Rest rooms and areas must be equipped with an adequate number of tables and seating (with backs) for the number of persons at work likely to use them at any one time.
 - Suitable arrangements to ensure that meals can be prepared and eaten.

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- Means of boiling water.
 - Facilities to be maintained at an appropriate temperature.
 - Where necessary, include suitable facilities for any woman at work who is pregnant or who is a nursing mother to rest lying down.