

LIGHTING

1. FUNCTIONAL LIGHTING SHALL BE PROVIDED ON THE BRIDGE DECK IN ACCORDANCE WITH DESIGN BY HCC.

EARTHING AND BONDING

1. AN ADEQUATE SYSTEM FOR ALL BONDING AND EARTHING REQUIREMENTS SHALL BE PROVIDED, INCLUDING STRAY CURRENT PROTECTION.
2. ARRANGEMENTS SHALL BE IN ACCORDANCE WITH BS EN 50122-1 AND BS EN 50122-2.

OUTLINE CONSTRUCTION SEQUENCE

1. A DETAILED CONSTRUCTION METHODOLOGY AND SEQUENCE IS TO BE DEVELOPED BY THE PRINCIPAL CONTRACTOR BEFORE CONSTRUCTION. THE FOLLOWING OUTLINE CONSTRUCTION IS ASSUMED:
- TAKE POSSESSION OF SITE, SET UP TRAFFIC MANAGEMENT, AND PROVIDE SECURE WORKING SPACE;
 - DEVEGETATION AND TREE REMOVAL;
 - INSTALL TEMPORARY WORKS PRIOR TO DEMOLITION, PILING, AND ERECTION OF NEW STRUCTURE;
 - DEMOLISH EXISTING BRIDGE;
 - IDENTIFY AND DIVERT BURIED ASSETS ONLY IF NECESSARY;
 - INSTALL FOUNDATIONS AND PREPARE PILE HEADS. IT IS ASSUMED THAT CFA TECHNIQUES WILL BE USED TO MITIGATE THE RISK OF UNDERMINING THE RAILWAY;
 - CONSTRUCT REINFORCED CONCRETE PILE CAPS;
 - EX-SITU – FABRICATE AND ASSEMBLE SUBSTRUCTURES AND SPANS (NOTE IT IS ANTICIPATED THAT THE MAIN SPAN CAN BE DELIVERED AS A SINGLE SECTION, WITHOUT THE NEED FOR IN-SPAN SITE CONNECTIONS);
 - ERECT STEEL SUBSTRUCTURES;
 - DURING POSSESSION OF THE RAILWAY - BRING ASSEMBLED SPANS TO SITE AND INSTALL (INSTALLATION BY MOBILE CRANE ASSUMED):
 - A 27 HOUR CONTINUOUS DISRUPTIVE (NO TRAINS) RAIL POSSESSION IS PROPOSED FOR INSTALLATION OF THE MAIN SPAN.
 - CONSTRUCT SITE WIDE DRAINAGE, LANDSCAPING, HARDSCAPING, FENCING/BOUNDARIES;
 - MAKE GOOD FINISHES, CONNECT AND COMMISSION LIGHTING;
 - DEMABILISE AND OPEN STRUCTURE TO THE PUBLIC.

BACKFILLING AND SUB SURFACE DRAINAGE

1. BACKFILL TO FOUNDATIONS TO BE IN ACCORDANCE WITH SHW CL. 611 (I).
2. BACKFILL TO RETAINING ELEMENTS TO BE SELECTED GRANULAR MATERIAL CLASS 6N/6P IN ACCORDANCE WITH SHW CL. 610.
3. RETAINING ELEMENTS TO BE PROVIDED WITH BACK OF WALL DRAINAGE IN ACCORDANCE WITH SHW CL. 513. ACCESS FOR RODDING TO BE INCORPORATED INTO LANDSCAPE/HARDSCAPE.

HAZARDS/RISKS

1. HAZARDS ARE ILLUSTRATED ON RELEVANT DRAWINGS AND IDENTIFIED WITH A WARNING TRIANGLE THUS:



2. IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT AND RISK ASSESSMENT.
3. IN ADDITION TO THE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THE DRAWINGS, NOTE THE FOLLOWING SIGNIFICANT ISSUES:

CONSTRUCTION:

- RAILWAY OPERATIONS, TRAINS;
- ELECTRIFICATION (THIRD RAIL DC);
- PASSENGER AND PUBLIC INTERFACE;
- UNKNOWN ARRANGEMENT AND CONDITION OF EXISTING STRUCTURES;
- HEAVY LIFTING/Crane OPERATIONS;
- WORKING AT HEIGHT;
- STABILITY OF INCOMPLETE STRUCTURE/CONSTRUCTION SEQUENCING;
- PLANT/VEHICLE MOVEMENTS;
- UNEVEN GROUND;
- GROUND CONDITIONS;
- UXO;
- DEPTH TO FORMATION LEVEL OF FOUNDATIONS;
- WORKING IN PROXIMITY TO EXISTING SERVICES;
- UNCHARTED SERVICES;
- HISTORIC USE OF ASBESTOS IN THE RAILWAY ENVIRONMENT;
- HISTORIC USE OF LEAD PAINT.

OPERATION AND MAINTENANCE:

- RAILWAY OPERATIONS, TRAINS;
- ELECTRIFICATION (THIRD RAIL DC);
- WORKING AT HEIGHT;
- GLARE AND REFLECTANCE FROM GLAZED ELEMENTS;
- PASSENGER AND PUBLIC INTERFACE DURING MAINTENANCE;
- VULNERABLE USERS, SUICIDE – CONTAINMENT/PARAPETS
- CONFLICT BETWEEN MOUNTED CYCLISTS AND OTHER USERS ON STEEP RAMPS;
- REQUIREMENT TO RESPOND TO ANY DAMAGE/BREAKAGE OF GLAZED ELEMENTS TO MAINTAIN PEDESTRIAN CONTAINMENT OVER THE RAILWAY.

DEMOLITION:

- ISSUES AS ABOVE;
- TO BE ASSESSED AT THE TIME OF DEMOLITION ACCOUNTING FOR MAINTENANCE, MODIFICATION, AND PREVAILING CONDITIONS.

RECORDS

1. RECORDS OF AS-CONSTRUCTED WORKS SHALL BE PREPARED BY THE PRINCIPAL CONTRACTOR.
2. THE BRIDGE OWNER/OPERATOR SHALL MAINTAIN THE RECORDS TO INCLUDE FUTURE WORKS AND MAINTENANCE.

DEMOLITION OF EXISTING BRIDGE

1. DEMOLITION OF THE EXISTING BRIDGE IS OUTSIDE THE SCOPE OF THIS DESIGN PACKAGE.
2. WHERE AFFECTED BY DEMOLITION WORKS, REINSTATEMENT OF THE STATION PLATFORMS SHALL BE IN ACCORDANCE WITH THE FOLLOWING NETWORK RAIL STANDARD DETAILS:
- NR/CIV/SD/3010 – TRADITIONAL FRONT WALL PLATFORM SHEET 1 OF 10 GENERAL NOTES
 - NR/CIV/SD/3011 – TRADITIONAL FRONT WALL PLATFORM SHEET 2 OF 10 GENERAL NOTES
 - NR/CIV/SD/3012 – TRADITIONAL FRONT WALL PLATFORM SHEET 3 OF 10 TYPICAL CROSS SECTION

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DO NOT SCALE THIS DRAWING.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION:

1. REFER TO GENERAL NOTES - SHEET 2.
(THIS DRAWING).

MAINTENANCE/CLEANING/OPERATION:

1. REFER TO GENERAL NOTES - SHEET 2.
(THIS DRAWING).

DECOMMISSIONING/DEMOLITION:

1. REFER TO GENERAL NOTES - SHEET 2.
(THIS DRAWING).

Notes

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TECHNICAL APPROVAL

Project Stage

S5 - FOR APPROVAL

Status of Drawing

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Project **HAVANT FOOTBRIDGE REPLACEMENT**

Orig Title **GENERAL NOTES
SHEET 2**

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