

National Asset Delivery
Technical Surveys and Testing

Site Information for
605789 – A19 Silverlink Tyne Tunnel
Bridges – Bearing Inspections

1 SITE INFORMATION

1.1 Site boundary, extents and access arrangements

The location is the A19 Silverlink Interchange. The bridges requiring bearing survey are the two bridges carrying the A1058 Coast Road over the A19 Roundabout (see Figure 1).

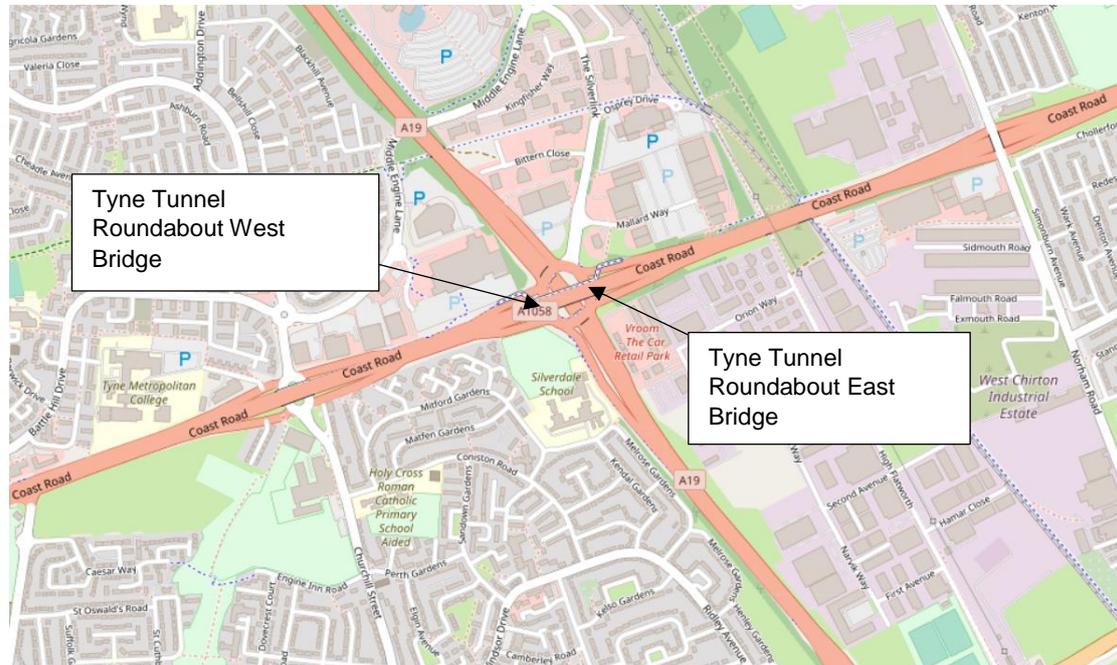


Figure 1- Location Plan (Base map and data from OpenStreetMap and OpenStreetMap Foundation)

Access

The site boundary will be defined by the traffic management which is expected to consist of lane closures on the roundabout to provide access to the piers.

It is expected that the bankseat abutments will be accessible without traffic management from the revetments and footpaths below.



Figure 2 - Tyne Tunnel Roundabout East Bridge - looking south



Figure 3 - Tyne Tunnel Roundabout West Bridge – looking north

There is a hard standing area for parking of site vehicles to the north east of the roundabout during day time working (see figure 4 and 5), access is available from here on to the footways and the signalised crossing points can be used to access all piers and abutments. Otherwise when traffic management is supplied, parking and access should be within the confines of the traffic management.



Figure 4 - hard standing for vehicles to the north east of the roundabout



Figure 5 - Hard standing area for vehicles showing access to footpaths

1.2 Pavement

N/A

1.3 Geotechnical

N/A

1.4 Soft Estate and Environment

Both Tyne Tunnel East and West Bridges have grassed embankments either side of the abutments with concrete paving slabbed revetments. There are footways adjacent to all four piers adjacent to the carriageways. These footways are served by signalised crossing points at various locations around the roundabout. There is a newly constructed footbridge that runs parallel to the north elevation of the structures.

There are a large number of retail properties in the vicinity of the interchange as well as some residential properties to the south west.

1.5 Traffic Signs, Road Markings

All conflicting existing traffic signs will be covered to prevent confusion when the traffic management is installed.

1.6 Lighting

There is street lighting around the interchange. However, this is unlikely to provide suitable lighting for the works during night shifts. The contractor is advised to provide their own lighting.

1.7 Structures and Buildings

As-built / historic record drawings for the two structures are provided as part of the Pre-construction Information.

1.8 Scheme Specific Requirements

For scheme specific requirements please refer to the Works Information.

The scheme is expected to run alongside concrete testing works for the two bridges utilising the same Traffic Management and Principal Contractor for the works.

1.9 Technology

N/A

1.10 Statutory Undertakers

Please refer to the Pre-construction Information for Statutory Undertakers Returns.

Statutory Undertakers Apparatus is not expected to be affected by the works being carried out.

1.11 Traffic

Traffic management to be provided by CHC (M&R); site access will be briefed via CHC during works induction prior to site works commencing. Welfare facilities to be provided by CHC.

FOR INFORMATION ONLY
DO NOT COMPLETE AT THIS STAGE