



CONSTRUCTION ACTIVITY DIARY

24th November – 6th December 2008

North Approach (East Howdon)

- Continued construction of the deep diaphragm walls¹ and transition structure² within Howdon Yard.
- Construction of the diaphragm walls¹ on Tyne View Terrace continues.
- Diversion of overflow sewer continues.
- Addition site lighting installed within Howdon Yard.
- Combi walls³ along Howdon Quay resume.

River Section

North Bank

- Continued establishment of combi walls³
- Sheet piling continues

Wallsend Dry Dock⁴

- Continued installation of crane rails along each side of the dry dock
- Continued erection of tower cranes
- Continued construction of floor slabs; slabs reinforced for the construction of tunnel elements

South Approach (Jarrow)

- Continued construction of diaphragm walls¹
- NGN utility diversions continue for approximately 1 month
- NEDL utility diversions continue for approximately 2 months
- Salem Street closed from early December
- Piling works underway near High Street to prepare for road reinforcement⁵

South Junction (Jarrow)

- Relocation of TT2 patrol building; concrete slab foundation installed
- Realignment of fresh water main
- Continuation of earthworks for the preparation of New Howard Street Bridge⁶ abutments
- Platforms for future piling works at Howard Street bridge⁶ to be constructed.

Notes

1. Diaphragm walls are used to provide support either side of the main tunnel excavation. Before excavation for the tunnel begins, two parallel trenches will be dug. These will be reinforced to create underground walls within which the tunnel will be set.
2. The transition structures are the link point between the river section of the tunnel and the cut-and-cover tunnel section. The diaphragm walls form part of the transition structures.
3. Combi walls are being constructed on both sides of the river in order to strengthen the river banks for subsequent dredging of the river bed and immersion of the tunnel units under the river.
4. The dry dock is the location for the construction of the sections of the tunnel that will be immersed beneath the river. The site is leased from A & P Ports.





5. High Street (Jarrow) requires reinforcement to enable cut-and-cover excavation to take place beneath it.
6. Howard Street Bridge will be replaced with a new road, which will be constructed prior to the demolition of the existing bridge.

