Transport for London

SCOPE

APPENDIX C
Interface with Highway Contractors

V10.01

16 April 2020

Appendix C – Interface between Tunnel & PS Contractor with the Highway Maintenance Contractor

Ref	Activity	Tunnel & Pump Stations (T&PS) Contractor Responsibilities	Highway Maintenance and Projects Contractor (the 'HMC") Responsibilities
1	Planned maintenance activities in road tunnels	Coordinate planned activity with the HMC, maintain and repair M&E Infrastructure in tunnels, including but not limited to: 1/ pumped drainage systems, including clearing sumps, 2/ lighting systems, 3/ electrical infrastructure, 4/ ventilation systems, 5/ illuminated intelligent road studs, 6/ cleaning of assets and traffic signs. If under planned tunnel closure: a/ permit / notice and road space applications b/ closing tunnel if necessary, c/ implementing established diversion arrangements, d/ traffic management for safe operation until completion, e/ competent supervision and management, f/ any comms required.	Coordinate planned activity with T&PS Contractor, maintain and repair Pavements (see note 5) If under planned block closure : a/ permit / notice and road space applications b/ closing tunnel if necessary, c/ implementing established diversion arrangements, d/ traffic management for safe operation until completion, e/ competent supervision and management, f/ any comms required.
2	Highway Safety Inspection	1/ assess and respond to defects or safety issues notified by HMC	1/ public access drive-through; 2/ notify the T&PS Contractor of any defects or safety issues not related to Pavements, otherwise respond appropriately.
3	Emergency fault associated with defective tunnel M&E infrastructure	1/ closing tunnel if necessary, 2/ implementing established diversion arrangements and traffic management for safe operation/works and removal on completion, 3/ repairing defect including any additional traffic management required, 4/ competent supervision and management, 5/ permit / notice and road space applications, 6/ any communications required.	

Ref	Activity	Tunnel & Pump Stations (T&PS) Contractor Responsibilities	Highway Maintenance and Projects Contractor (the 'HMC") Responsibilities
4	Emergency in tunnels other than defective tunnel M&E infrastructure, i.e. Cat 1 (ECO) hazard or defect, vehicle fire or breakdown	1/ liaison and collaboration with HMC to coordinate works, 2/ first response and make safe at River Crossing Tunnels (see Note 1) are to be undertaken by T&PS Contractor, with permanent repair to Pavements undertaken by HMC. 3/ first response includes: a/ removal of broken-down vehicles, b/ clearance of spillages, debris and deposits, c/ traffic management including tunnel closure / diversions if necessary and removal on completion, d/ if structural damage notifying Inspections Contractor to attend site, e/ repairing defects including any additional traffic management required, f/ competent supervision and management, g/ permit / notice notification (retrospective) and any comms required (including NMCC updates).	1/ liaison and collaboration with T&PS contractor to coordinate works, 2/ first response and make safe at River Crossing Tunnels (see note 1) are to be undertaken by T&PS Contractor, with permanent repair to Pavements undertaken by HMC. 3/ all other tunnels HMC undertakes works including: a/ clearance of spillages, debris and deposits, b/ traffic management including tunnel closure / diversions if necessary and removal on completion, c/ if structural damage notifying Inspections Contractor to attend site, d/ removal of hazard or Pavement defect repair including any additional traffic management required, e/ competent supervision and management, f/ permit / notice notification (retrospective) and any comms required (including NMCC updates).
5	Flooding at River Crossing Tunnels	1/ closing tunnels if necessary, 2/ implementing established diversion arrangements and traffic management for safe operation until flooding resolved, 3/ repairing defects including undertaking pumping station repairs and any additional traffic management required, 4/ debris / detritus / deposit wash-down and removal if/as required, 5/ competent supervision and management, 6/ permit / notice and road space applications and approvals (retrospective, if required), 7/ any comms required (including NMCC updates).	1/ liaison with T&PS contractor to programme drainage gravity system cleansing or repairs, 2/ compliance with any requirements of T&PS contractor (as Principal Contractor).

Ref	Activity	Tunnel & Pump Stations (T&PS) Contractor Responsibilities	Highway Maintenance and Projects Contractor (the 'HMC") Responsibilities
6	Flooding other than at River Crossing Tunnels	1/ liaison with HMC to programme repairs to pumped systems. 2/ undertake repairs to pumped systems. 3/ compliance with any requirements of HMC (as Principal Contractor). 4/ in liaison with HMC, implementing established diversion arrangements and traffic management for safe operation until flooding resolved.	1/ traffic / pedestrian management including closing subways and tunnels if necessary, 2/ implementing established diversion arrangements or traffic management for safe operation until flooding resolved, 3/ repairing defects / clearing blockages to gravity systems, debris / detritus / deposit wash-down and removal if/as required, 4/ competent supervision and management, 5/ permit and road space notifications, 6/ any communications required.
7	Urgent works associated with Pavements within or in close proximity to tunnels or related assets	1/ collaboration and liaison with HMC to programme works, 2/ compliance with any requirements of HMC (as Principal Contractor) if using traffic management for incidental works, 3/ supporting the operation of tunnel closure systems if applicable.	HMC, as Principal Contractor, responsible for: 1/ permit / notice and road space applications, collaboration and liaison with T&PS contractor and coordination of works, 2/ implementing TM, including standard diversion plans all necessary repairs to Pavements, returning to a safe operational condition.
8	Routine fault repair associated with defective tunnel structure or M&E infrastructure,	1/ implementing established diversion arrangements and traffic management for safe operation/works and removal on completion of works, 2/ repairing defect, 3/ competent supervision and management, 4/ permit / notice and road space applications 5/ any comms required.	1/ liaison with T&PS Contractor and implement cyclic maintenance activity if appropriate.
9	Routine fault repair associated with defective Pavement in road tunnel	1/ liaison with HMC to programme works, 2/ compliance with any requirements of HMC Contractor, 3/ supporting the operation of tunnel closure systems if applicable. 4/ any comms required.	1/ liaison with T&PS Contractor to programme works, permit / notice and road space applications. 2/ closing tunnel if necessary, implementing established diversion arrangements and traffic management for safe operation/works and removal on completion,, 3/ repairing defect, 4/ coordination with the T&PS Contractor in their role, as Principal Contractor.

Ref	Activity	Tunnel & Pump Stations (T&PS) Contractor Responsibilities	Highway Maintenance and Projects Contractor (the 'HMC") Responsibilities
10	Maintenance of tunnel M&E equipment beyond the tunnel or immediate approaches	1/ permit / notice and road space applications. closing tunnel if necessary, implementing established diversion arrangements and traffic management for safe operation/works on open road network if requested and removal on completion of works, 2/ collaboration and liaison with HMC and coordination of works	1/ collaboration and liaison with T&PS contractor and coordination of works. 2/ for assets maintained by HMC that contain tunnel equipment maintained by T&PS contractor, HMC contractor ensures assets are accessible to T&PS Contractor.
11	Maintenance of pumped drainage systems, including those in underpasses and subways.	1/ implement traffic management including diversion arrangements for safe operation, 2/ maintenance and repair of defects including undertaking pumping station repairs. 3/ debris / detritus / deposit wash-down and removal if/as required, 4/ competent supervision and management, 5/ permit / notice and road space applications, 6/ any comms required.	1/ maintain gravity drainage systems, road markings and studs, kerbs and any footway / verge. 2/ provide access to T&PS Contractor where required.
12	Planned works associated with pavements within or in close proximity to tunnels or related assets	1/ collaboration and liaison with HMC to programme works, 2/ compliance with any requirements of HMC contractor, as Principal Contractor, if using TM for incidental works. 3/ supporting the operation of tunnel closure systems if applicable	HMC as Principal Contractor responsible for: 1/ collaboration and liaison with T&PS contractor and coordination of works, 2/ implementing traffic management, including diversions works permit application and any comms required, coordinated with the T&PS Contractor. 3/ delivering the works
14	Planned Special Event Tunnel Closures, e.g., Ride London	1/ implement that part of any agreed traffic management plan involving the closure of River Crossing Tunnels, 2/ implementing established diversion arrangements and traffic management for safe operation, including tying into any adjacent Contractor's Traffic Management Plans, 3/ competent supervision and management, 4/ any comms required. 5/ undertake cost recovery procedures.	1/ implement traffic management plans coordinated with other contractors / parties, implementing established diversion arrangements and tying into any adjacent Contractor's traffic management Plans. 2/ any comms required. 3/ undertake cost recovery procedures

Ref	Activity	Tunnel & Pump Stations (T&PS) Contractor Responsibilities	Highway Maintenance and Projects Contractor (the 'HMC") Responsibilities
15	Winter Service	1/ collaboration and liaison with HMC and coordination of works with winter maintenance activities. If T&PS Contractor has a tunnel closure, then appropriate TM arrangements need to be made to allow the HMC to deliver Winter Service.	1/ Delivering the Winter Service as instructed

	Note 1	River Crossing Tunnels are - Blackwall Northbound, Blackwall Southbound and Rotherhithe Tunnels. Blackwall Tunnel Northbound From the (part time) traffic signal stop line immediately prior to the over-height vehicle barrier, through the northbound tunnel to the nose of the traffic island separating the A12 and A13 (westbound) off slip. Blackwall Tunnel Southbound From the gantry, just prior to the northernmost A13 on slip, through the tunnel to the end of the 'wing walls' beyond the exit portal. Rotherhithe Tunnel The section of the A101 between the segmental arches on the north and south sides of the river, formed of the shield cutting edges.
	Note 2	"M&E" covers all mechanical and electrical assets, including any connected or intelligent monitoring or control systems e.g. B-Scout, PLCs, SCADA, etc.
	Note 3	T&PS Contractor and HMC engage and liaise with Inspections Supplier as necessary.
	Note 4	A13 Tunnels are Limehouse Link Tunnel and East India Dock Tunnel. Access to A13 DBFO Roads assets arranged via the DBFO Concessionaire, Road Management Services (A13) Plc.
	Note 5	Pavement means "Carriageway, footway / verge surfaces, kerbs, road markings and studs, and gravity drainage systems"