

SCHEDULE 2

Output Specification

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OUTPUT SPECIFICATION

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Schedule 2

OUTPUT SPECIFICATION

INTRODUCTION

1. The Service Provider shall supply the Services continuously throughout the Contract Term in accordance with the specifications set out in each part of this schedule 2 (*Output Specification*).
2. Each part of this schedule 2 (*Output Specification*) details the overall aspirations of the Authority in the sections headed Required Outcomes. For the purposes of determining whether or not any Adjustments are to be made to the Monthly Unitary Charge pursuant to schedule 4 (*Payment Mechanism*) of this Contract the performance of the Service Provider shall be measured against the Service Delivery Outputs and their corresponding Performance Targets set out in this schedule 2 (*Output Specification*) in accordance with the Monitoring Procedures set out in this Contract.

PART 1

Network and Infrastructure Condition

1. REQUIRED OUTCOMES

- 1.1 The Service Provider shall comply with the provisions of this Performance Standard 1 and ensure that at the end of the Core Investment Period and thereafter until the expiry of the Contract Term in relation to the Project Network:
- 1.1.1 no Road Section Lengths in each of PFI Districts 1 to 12 (inclusive) are Failed;
 - 1.1.2 no Road Section Lengths on each of the Network Route Hierarchies except the Local Access Route Network in each of PFI Districts 1 to 12 (inclusive) have an SRI of less than 1.2;
 - 1.1.3 no Footway Section Lengths, Verge Section Lengths, Kerb Section Lengths or Cycling Track Section Lengths are Poor or below;
 - 1.1.4 all Structures and Bridges (excluding Deemed to Comply Structures and Bridges) are capable of carrying the load effects associated with 40 tonnes Assessment Live Loading in accordance with BD 21/01 of the DMRB (unless otherwise agreed with the Authority);
 - 1.1.5 all Tunnels comply with BD 78/99 of the DMRB, the Road Tunnel Safety Regulations 1997 and comply with those requirements set out in Appendix A of this part 1 of schedule 2 (*Output Specification*);
 - 1.1.6 all Street Lighting meets the following requirements (the “**Street Lighting Required Outcomes**”):
 - 1.1.6.1 (excluding Deemed to Comply Street Lighting Systems) complies with the requirements of BS 5489:2003 and BS EN 13201 : 2003 and, for the avoidance of doubt, such requirements include the information set out in Appendix B or Appendix C of this part 1 of schedule 2 (*Output Specification*) (as the case may be);
 - 1.1.6.2 (excluding Deemed to Comply Street Lighting Systems) is installed in accordance with the requirements of Appendix D of this part 1 of schedule 2 (*Output Specification*);

1.1.6.3 all Street Lighting that is replaced or upgraded shall be:

- (a) capable of having its light output controlled remotely;
- (b) provided with electronic control gear capable of maintaining the power factor at a value of 0.9 or better throughout its service life;
and
- (c) capable of being monitored remotely;

1.1.7 all Non-Standard Street Lighting shall be upgraded to include the requirements of paragraphs 1.1.6.3(a) to 1.1.6.3(c) by the end of the Core Investment Period;

1.1.8 all Street Lighting that is part of a Deemed to Comply Street Lighting System (excluding Non-Standard Street Lighting and Street Lighting Accrued after the Service Commencement Date) shall from the expiry of the Core Investment Period be replaced or upgraded on or prior to 7 June 2032;

1.1.9 the Street Lighting that is part of a Deemed to Comply Street Lighting System (excluding Non-Standard Street Lighting and Street Lighting accrued following the Service Commencement Date) shall be replaced as Lighting Column Replacements at a rate of:

1.1.9.1 not less than 2,000 Lighting Columns in each Contract Year from the expiry of the Core Investment Period to the end of Contract Year 12; and

1.1.9.2 not less than 1,000 Lighting Columns in each Contract Year from the beginning of Contract Year 13 to the end of Contract Year 22

provided always that a minimum of 24,000 Lighting Column Replacements are replaced by 7 June 2032. The balance in excess of the minimum aggregate Lighting Point Replacements in each Contract Year and in the aggregate prior to 7 June 2032 may be replaced or upgraded;

1.1.10 all Street Lighting that is replaced or upgraded pursuant to paragraphs 1.1.8 and 1.1.9 shall be compliant with the requirements of BS 5489:2003 and BS EN 13201:2003 and for the avoidance of doubt, such requirements include the information set out in Appendix B or Appendix C of this part 1 of schedule 2 (*Output Specification*) (as the case may be);

1.1.11 all Street Lighting that has been upgraded in accordance with paragraph 1.1.6.3 is remotely monitored within two (2) years of such upgrade;

- 1.1.12 all Pumping Stations are refurbished in accordance with the requirements of the relevant Asset Survey Report;
- 1.1.13 no Traffic Signal Controller is more than 15 years old at the end of the Core Investment Period and no Traffic Signal Controller is more than 20 years old at the end of each Contract Year until the Expiry Date; and
- 1.1.14 the Urban Traffic Management and Control System and the Fault Management System are developed in accordance with and meet those requirements set out in Appendix E of part 1 and part 7 of this schedule 2 (*Output Specification*).

PART 1A

Performance Standard 1A - Network and Infrastructure Condition during the Core Investment Period

1. SERVICE DELIVERY OUTPUTS

1.1 Materials

1.1.1 In respect of each Milestone the Service Provider shall ensure that:

- 1.1.1.1 the Service Provider shall not use concrete in any resurfacing works undertaken to the Project Roads unless the Service Provider is carrying out repairs to an existing section of concrete Carriageway;
- 1.1.1.2 no Lighting Column is replaced with a Lighting Column that is made of concrete;
- 1.1.1.3 no Lighting Column is replaced with a Lighting Column that is made of cast iron, unless agreed with the Authority;
- 1.1.1.4 where a Street Name Plate made from cast iron is replaced, it is replaced according to the specification set out in Appendix F of part 1A of this schedule 2 (*Output Specification*); and
- 1.1.1.5 where a Grating is replaced, it is not replaced with a Grating that is not hinged;
- 1.1.1.6 any materials used in the performance of the Services are of a similar quality and type to those materials of which the relevant Project Network Part is or was constructed prior to the performance of the Services, provided that:
 - (a) where such construction material was different to the material predominantly used at the site in the construction of the relevant Project Network Part then the Service Provider shall use such predominant material in the performance of the relevant Services; or
 - (b) where an Approved Treatment applies then the Service Provider shall use such Approved Treatment in the performance of the relevant Services; or

- (c) the use of LED Arrays shall be deemed to be of similar quality or type to those materials that the relevant Project Network Part is or was constructed prior to performance of the Services;

1.1.1.7 subject to paragraphs 1.1.1.1 to 1.1.1.6 (inclusive), where the performance of the Services requires the Service Provider to carry out works to any Project Network Part the Service Provider shall use those materials detailed in paragraph 1.1.1.6 in the carrying out of such works unless:

- (a) the Service Provider is unable to determine the predominant material at the site of any such Project Network Part in accordance with paragraph 1.1.1.6, in which case the Service Provider shall agree such material to be used in carrying out such works with the Authority; or
- (b) otherwise agreed by the Authority under schedule 18 (*Change Protocol*); and

1.1.1.8 where Project Network Parts are reused, refurbished or rebuilt:

- (a) such use is with the prior agreement of the Authority (excluding Carriageway, Footway, Verge or Cycle Track construction materials, which the Service Provider may reuse);
- (b) unless otherwise agreed by the Authority under paragraph 1.1.1.8(a) above, such use does not form part of Core Investment Works or life cycle replacement of Project Network Parts; and
- (c) such parts:
 - (i) meet the relevant performance requirements of this schedule 2 (*Output Specification*);
 - (ii) are in keeping with the appearance, design and decorative condition of other Project Network Parts with which they will be co-located; and
 - (iii) are from the Project Network.

1.2 Authority Agreement, Consent or Approval

- 1.2.1 Where the agreement, approval or consent of the Authority is required pursuant to paragraph 1.1 of this part 1A of schedule 2 (*Output Specification*) such agreement, approval or consent shall be deemed to have been given where any such activities are set out in the relevant agreed Annual Programme.
- 1.2.2 In relation to all such other activities that require the agreement, consent or approval of the Authority that are not set out in any relevant agreed Annual Programme, the Authority shall respond to any written requests for agreement, consent or approval by the Service Provider as soon as reasonably practicable and, in any event, within five (5) Business Days of receipt of such request.
- 1.2.3 Where the Authority refuses or fails to respond to such written request in accordance with paragraph 1.2.2 of this part 1A of schedule 2 (*Output Specification*) the Service Provider shall be entitled to proceed in the provision of the Services provided that such provision is in accordance with the requirements of this Contract.

1.3 Milestone District Targets

The Service Provider shall complete each Milestone in accordance with clause 9 (*Milestones*) of this Contract and the Milestone District Targets are set out in paragraphs 1.4 to 1.13 below.

1.4 Milestone 1 District Targets

- 1.4.1 That PFI District 12 has at least the applicable values for condition indices, as set out in Table 1.1 in respect of:
- 1.4.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.4.1.2 Failed RSL completion rate;
 - 1.4.1.3 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.4.1.4 Link and Local Access Footway Network (FWCI_{link});
 - 1.4.1.5 Poor or Failed FWSL completion rate;
 - 1.4.1.6 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.4.1.7 Link and Local Access Verge Network (VGCL_{link});

- 1.4.1.8 Poor or Failed VGSL completion rate;
 - 1.4.1.9 Prestige, Primary and Secondary Kerb Network ($KBCI_{prest}$);
 - 1.4.1.10 Link and Local Access Kerb Network ($KBCI_{link}$); and
 - 1.4.1.11 Poor or Failed KBSL completion rate.
 - 1.4.1.12 Prestige, Primary and Secondary Cycle Track Network ($CTCI_{prest}$);
 - 1.4.1.13 Link and Local Access Cycle Track Network ($CTCI_{link}$); and
 - 1.4.1.14 Poor or Failed CTSL completion rate.
- 1.4.2 That PFI Districts 1 to 11 (inclusive) have a completion rate for the Programme of Surfacing Works for Year 1 Requirements of at least the applicable value, as set out in Table 1.1;
- 1.4.3 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.1 meet the Street Lighting Required Outcomes;
- 1.4.4 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.1, have been upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and
- 1.4.5 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.1, have been upgraded in accordance with the requirements of the relevant Asset Survey Report.

Table 1.1 - Summary of Milestone 1 District Targets

NCI Requirements	Strategic Route and Main Distributor Network (NCI)	PFI District													
		1	2	3	4	5	6	7	8	9	10	11	12		
NCI Requirements	Failed RSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	---	---	13.9
	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	---	---	---	---	---	---	---	---	---	---	---	---	---	3%
FWCI Requirements	Link and Local Access Footway Network (FWCI _{link})	---	---	---	---	---	---	---	---	---	---	---	---	---	4.9
	Poor or Failed FWSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	---	---	3%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	---	---	---	---	---	---	---	---	---	---	---	---	---	4.9
	Link and Local Access Verge Network (VGCI _{link})	---	---	---	---	---	---	---	---	---	---	---	---	---	4.9
KBICI Requirements	Poor or Failed VGSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	---	---	3%
	Prestige, Primary and Secondary Kerb Network (KBICI _{prest})	---	---	---	---	---	---	---	---	---	---	---	---	---	3.8
CTCI Requirements	Link and Local Access Kerb Network (KBICI _{link})	---	---	---	---	---	---	---	---	---	---	---	---	---	3.8
	Poor or Failed KBSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	---	---	3%
CTCI Requirements	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	---	---	---	---	---	---	---	---	---	---	---	---	---	4.9
	Link and Local Access Cycle Track Network (CTCI _{link})	---	4.9	---	---	---	---	---	---	---	---	---	---	---	4.9
CTCI Requirements	Poor or Failed CTSLs (at XSP level) completed	---	3%	---	---	---	---	---	---	---	---	---	---	---	3%

		PFI District											
		1	2	3	4	5	6	7	8	9	10	11	12
Programme of Surfacing Works for Year 1 Requirements	In respect of:	40%											
	• Secondary Distributor Network												
	• Link Road Network												
	• Local Access Road Network												
	• Prestige, Primary and Secondary Footway Network												
	• Link and Local Access Footway Network												
	• Prestige, Primary and Secondary Verge Network												
	• Link and Local Access Verge Network												
	• Prestige, Primary and Secondary Kerb Network												
	• Link and Local Access Kerb Network												
Street Lighting Requirements	13	6	8	6	9	15	5	10	20	7	2	33	
Non-Standard Street Lighting Requirements	0	2	0	0	2	0	0	0	0	0	5	2	
Pumping Station Requirements	4	---	---	---	---	---	---	---	---	---	---	2	

1.5 Milestone 2 District Targets

- 1.5.1 That PFI District 12 has at least the applicable values for condition indices, as set out in Table 1.2a in respect of:
- 1.5.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.5.1.2 Failed RSL completion rate;
 - 1.5.1.3 Prestige, Primary and Secondary Footway Network ($FWCI_{prest}$);
 - 1.5.1.4 Link and Local Access Footway Network ($FWCI_{link}$);
 - 1.5.1.5 Poor or Failed FWSL completion rate;
 - 1.5.1.6 Prestige, Primary and Secondary Verge Network ($VGCI_{prest}$);
 - 1.5.1.7 Link and Local Access Verge Network ($VGCL_{link}$);
 - 1.5.1.8 Poor or Failed VGSL completion rate;
 - 1.5.1.9 Prestige, Primary and Secondary Kerb Network ($KBCI_{prest}$);
 - 1.5.1.10 Link and Local Access Kerb Network ($KBCI_{link}$); and
 - 1.5.1.11 Poor or Failed KBSL completion rate.
 - 1.5.1.12 Prestige, Primary and Secondary Cycle Track Network ($CTCI_{prest}$);
 - 1.5.1.13 Link and Local Access Cycle Track Network ($CTCI_{link}$); and
 - 1.5.1.14 Poor or Failed CTSL completion rate.
- 1.5.2 That the Programme of Surfacing Works for Year 1 Requirements for PFI Districts 1 to 11 (inclusive) has been completed;
- 1.5.3 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.2a meet the Street Lighting Required Outcomes;
- 1.5.4 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.2a, have been upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and

- 1.5.5 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.2a, have been upgraded in accordance with the requirements of the relevant Asset Survey Report;
- 1.5.6 in respect of Traffic Signal Controllers:
- 1.5.6.1 at least the number of Traffic Signal Controllers in PFI Districts 1 to 10 (inclusive) that will be more than 15 years old at the end of the Core Investment Period have been replaced; and
 - 1.5.6.2 at least the number of Traffic Signal Controllers in PFI District 11 that will be more than 15 years old at the end of the Core Investment Period have been replaced.
- 1.5.7 That the condition indices achieved at Milestone 2 in respect of the following for PFI Districts 1 to 11 (inclusive), have been provided following certification by the Independent Certifier to complete the sections marked with an asterisk in Table 1.2b (the “**Milestone 2 Condition Data**”):
- 1.5.7.1 Secondary Distributor Network (NCI);
 - 1.5.7.2 Link Road Network (NCI_{link});
 - 1.5.7.3 Local Access Road Network (NCI_{local});
 - 1.5.7.4 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.5.7.5 Link and Local Access Footway Network (FWCI_{link});
 - 1.5.7.6 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.5.7.7 Link and Local Access Verge Network (VGCI_{link});
 - 1.5.7.8 Prestige, Primary and Secondary Kerb Network (KBCI_{prest}); and
 - 1.5.7.9 Link and Local Access Kerb Network (KBCI_{link}).
- 1.5.8 The Milestone 2 Condition Data shall be used to calculate the Milestone Targets for Milestones 3 to 9 set out in paragraphs 1.6 to 1.13. This shall be determined by:
- 1.5.8.1 Calculating the difference between the Milestone 10 Target Condition for each index in paragraph 1.5.7 and the Milestone 2 Condition (the “**Condition Gap**”); and

- 1.5.8.2 Calculating each Milestone Target in respect of each Condition Index in accordance with the percentage by which the Condition Gap is closed. This is shown for each PFI District and Milestone in Tables 1.3 to 1.9 inclusive. The process for calculating this is shown in Appendix G to this part 1 of schedule 2 (*Output Specification*); and
- 1.5.9 That the relevant criteria in respect of Milestone 2 of the Tunnel Refurbishment Programme (as set out in Appendix 5 of schedule 15 (*Milestone Completion Criteria*)) have been completed.

Table 1.2a - Summary of Milestone 2 District Targets

	PFI District												
	1	2	3	4	5	6	7	8	9	10	11	12	
NCI Requirements	Strategic Route and Main Distributor Network (NCI)	---	---	---	---	---	---	---	---	---	---	---	14
	Failed RSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	5%
FWCI Requirements	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	---	---	---	---	---	---	---	---	---	---	---	4.0
	Link and Local Access Footway Network (FWCI _{link})	---	---	---	---	---	---	---	---	---	---	---	4.9
	Poor or Failed FWSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	11%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	---	---	---	---	---	---	---	---	---	---	---	5.0
	Link and Local Access Verge Network (VGCI _{link})	---	---	---	---	---	---	---	---	---	---	---	5.0
	Poor or Failed VGSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	8%
KBCI Requirements	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	---	---	---	---	---	---	---	---	---	---	---	4.0
	Link and Local Access Kerb Network (KBCI _{link})	---	---	---	---	---	---	---	---	---	---	---	5.0
	Poor or Failed KBSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	8%
CTCI Requirements	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	---	---	---	---	---	---	---	---	---	5.0	---	5.0
	Link and Local Access Cycle Track Network (CTCI _{link})	---	5.0	---	---	---	---	---	5.0	---	---	---	5.0
	Poor or Failed CTSLs (at XSP level) completed	---	11%	---	---	---	---	---	11%	---	---	---	11%

	PFI District												
	1	2	3	4	5	6	7	8	9	10	11	12	
<p>In respect of:</p> <ul style="list-style-type: none"> Secondary Distributor Network Link Road Network Local Access Road Network Prestige, Primary and Secondary Footway Network Link and Local Access Footway Network Prestige, Primary and Secondary Verge Network Link and Local Access Verge Network Prestige, Primary and Secondary Kerb Network Link and Local Access Kerb Network 	100%												
	Street Lighting Requirements	264	122	151	109	179	303	91	197	385	148	36	659
	Non-Standard Street Lighting Requirements	2	23	5	0	14	0	7	3	9	3	79	64
	Pumping Station Requirements												3
	Traffic Signal Controllers more than 15 years old replaced						49					17	0
Tunnel Refurbishment Requirements													Completed, as per the Milestones in the Tunnel Refurbishment Programme

Table 1.2b - Summary of Milestone 2 District Targets and Actual Condition Indices Achieved

		PFI District											
		1	2	3	4	5	6	7	8	9	10	11	12
NCI Requirements	Strategic Route and Main Distributor Network (NCI)	---	---	---	---	---	---	---	---	---	---	---	14
	Secondary Distributor Network (NCI)	*	*	*	*	*	*	*	*	*	*	*	*
	Link Road Network (NCI _{link})	*	*	*	*	*	*	*	*	*	*	*	*
	Local Access Road Network (NCI _{local})	*	*	*	*	*	*	*	*	*	*	*	*
FWCI Requirements	Failed RSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	5%
	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	*	*	*	*	*	*	*	*	*	*	*	4.0
	Link and Local Access Footway Network (FWCI _{link})	*	*	*	*	*	*	*	*	*	*	*	4.9
VGCI Requirements	Poor or Failed FWSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	11%
	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	*	*	*	*	*	*	*	*	*	*	*	5.0
	Link and Local Access Verge Network (VGCI _{link})	*	*	*	*	*	*	*	*	*	*	*	5.0
KBCI Requirements	Poor or Failed VGSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	8%
	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	*	*	*	*	*	*	*	*	*	*	*	4.0
	Link and Local Access Kerb Network (KBCI _{link})	*	*	*	*	*	*	*	*	*	*	*	5.0
CTCI Requirements	Poor or Failed KBSLs (at XSP level) completed	---	---	---	---	---	---	---	---	---	---	---	8%
	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	---	---	---	---	---	---	---	---	---	---	5.0	5.0
	Link and Local Access Cycle Track Network (CTCI _{link})	---	5.0	---	---	---	---	---	---	5.0	---	---	5.0
Street Lighting Requirements		264	122	151	109	179	303	91	197	385	148	36	659
		---	11%	---	---	---	---	---	---	11%	---	11%	11%

	PFI District											
	1	2	3	4	5	6	7	8	9	10	11	12
Non-Standard Street Lighting Requirements	2	23	5	0	14	0	7	3	9	3	79	64
Pumping Station Requirements	---	---	---	---	---	---	---	---	---	---	---	3
Traffic Signal Controllers more than 15 years old replaced	49											0
Tunnel Refurbishment Requirements												17
												Completed as per the Milestones in the Tunnel Refurbishment Program ^e

** Indicates values to be provided in accordance with paragraph 1.5.7 (the Milestone 2 Condition Data).*

1.6 Milestone 3 District Targets

- 1.6.1 That each of PFI Districts 1 to 12 (inclusive) has at least the applicable values for condition indices, as set out in Table 1.3 in respect of:
- 1.6.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.6.1.2 Secondary Distributor Network (NCI);
 - 1.6.1.3 Link Road Network (NCI_{link});
 - 1.6.1.4 Local Access Road Network (NCI_{local});
 - 1.6.1.5 Failed RSL completion rate;
 - 1.6.1.6 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.6.1.7 Link and Local Access Footway Network (FWCI_{link});
 - 1.6.1.8 Poor or Failed FWSL completion rate;
 - 1.6.1.9 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.6.1.10 Link and Local Access Verge Network (VGCI_{link});
 - 1.6.1.11 Poor or Failed VGSL completion rate;
 - 1.6.1.12 Prestige, Primary and Secondary Kerb Network (KBCI_{prest});
 - 1.6.1.13 Link and Local Access Kerb Network (KBCI_{link});
 - 1.6.1.14 Poor or Failed KBSL completion rate;
 - 1.6.1.15 Prestige, Primary and Secondary Cycle Track Network (CTCI_{prest});
 - 1.6.1.16 Link and Local Access Cycle Track Network (CTCI_{link}); and
 - 1.6.1.17 Poor or Failed CTSL completion rate.
- 1.6.2 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.3 meet the Street Lighting Required Outcomes;
- 1.6.3 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.3, have been

upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and

1.6.4 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.3, have been upgraded in accordance with the requirements of the relevant Asset Survey Report; and

1.6.5 that at least the number of Traffic Signal Controllers that will be more than 15 years old at the end of the Core Investment Period have been replaced, as set out in Table 1.3, in:

1.6.5.1 PFI Districts 1 to 10 (inclusive);

1.6.5.2 PFI District 11; and

1.6.5.3 PFI District 12.

Table 1.3 - Summary of Milestone 3 District Targets

		PFI District											
NCI Requirements	1	2	3	4	5	6	7	8	9	10	11	12	
Strategic Route and Main Distributor Network (NCI)	---	---	---	---	---	---	---	---	---	---	---	14.6	
Secondary Distributor Network (NCI)	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	
Link Road Network (NCI _{link})	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	
Local Access Road Network (NCI _{local})	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	
Failed RSLs (at XSP level) completed	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	
Prestige, Primary and Secondary Footway Network (FWCI _{prest})	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	4.4	
Link and Local Access Footway Network (FWCI _{link})	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	5.2	
Poor or Failed FWSLs (at XSP level) completed	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	
Prestige, Primary and Secondary Verge Network (VGCI _{prest})	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	5.2	
Link and Local Access Verge Network (VGCL _{link})	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	5.2	
Poor or Failed VGSLs (at XSP level) completed	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	
Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	4.4	
Link and Local Access Kerb Network (KBCI _{link})	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	*+11.2%	5.2	
Poor or Failed KBSLs (at XSP level) completed	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	
Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	---	---	---	---	---	---	---	---	---	---	5.5	5.2	
Link and Local Access Cycle Track Network (CTCI _{link})	---	4.7	---	---	---	---	---	---	5.5	---	---	5.2	
Poor or Failed CTSLs (at XSP level) completed	---	24%	---	---	---	---	---	---	24%	---	24%	24%	
Street Lighting Requirements	782	361	445	328	528	893	269	583	1,139	437	107	1,949	

	PE1 District												
	1	2	3	4	5	6	7	8	9	10	11	12	
Non-Standard Street Lighting Requirements	7	67	15	1	40	1	22	10	27	8	234	194	
Pumping Station Requirements												5	
Traffic Signal Controllers more than 15 years old replaced	73											70	0

** Indicates values to be calculated in accordance with paragraph 1.5.8, following the provision of Milestone 2 Condition Data.*

1.7 Milestone 4 District Targets

- 1.7.1 That each of PFI Districts 1 to 12 (inclusive) has at least the applicable values for condition indices, as set out in Table 1.4 in respect of:
- 1.7.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.7.1.2 Secondary Distributor Network (NCI);
 - 1.7.1.3 Link Road Network (NCI_{link});
 - 1.7.1.4 Local Access Road Network (NCI_{local});
 - 1.7.1.5 Failed RSL completion rate;
 - 1.7.1.6 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.7.1.7 Link and Local Access Footway Network (FWCI_{link});
 - 1.7.1.8 Poor or Failed FWSL completion rate;
 - 1.7.1.9 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.7.1.10 Link and Local Access Verge Network (VGCI_{link});
 - 1.7.1.11 Poor or Failed VGSL completion rate;
 - 1.7.1.12 Prestige, Primary and Secondary Kerb Network (KBCI_{prest});
 - 1.7.1.13 Link and Local Access Kerb Network (KBCI_{link});
 - 1.7.1.14 Poor or Failed KBSL completion rate;
 - 1.7.1.15 Prestige, Primary and Secondary Cycle Track Network (CTCI_{prest});
 - 1.7.1.16 Link and Local Access Cycle Track Network (CTCI_{link}); and
 - 1.7.1.17 Poor or Failed CTSL completion rate.
- 1.7.2 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.4 meet the Street Lighting Required Outcomes;
- 1.7.3 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.4, have been

upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and

1.7.4 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.4, have been upgraded in accordance with the requirements of the relevant Asset Survey Report; and

1.7.5 that at least the number of Traffic Signal Controllers that will be more than 15 years old at the end of the Core Investment Period have been replaced, as set out in Table 1.4, in:

1.7.5.1 PFI Districts 1 to 10 (inclusive);

1.7.5.2 PFI District 11; and

1.7.5.3 PFI District 12; and

1.7.6 that the relevant criteria in respect of Milestone 4 of the Tunnel Refurbishment Programme (as set out in Appendix 5 of schedule 15 (*Milestone Completion Criteria*)) have been completed.

Table 1.4 - Summary of Milestone 4 District Targets

		PFI District											
NCI Requirements		1	2	3	4	5	6	7	8	9	10	11	12
	Strategic Route and Main Distributor Network (NCI)	---	+	---	---	---	---	---	---	---	---	---	15.2
	Secondary Distributor Network (NCI)	+	+	+	+	+	+	+	+	+	+	+	+
	Link Road Network (NCI _{link})	+	+	+	+	+	+	+	+	+	+	+	+
	Local Access Road Network (NCI _{local})	+	+	+	+	+	+	+	+	+	+	+	+
	Failed RSLs (at XSP level) completed	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
FWCI Requirements	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	+	+	+	+	+	+	+	+	+	+	+	4.8
	Link and Local Access Footway Network (FWCI _{link})	+	+	+	+	+	+	+	+	+	+	+	5.4
	Poor or Failed FWSLs (at XSP level) completed	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	+	+	+	+	+	+	+	+	+	+	+	5.4
	Link and Local Access Verge Network (VGCI _{link})	+	+	+	+	+	+	+	+	+	+	+	5.4
	Poor or Failed VGSLs (at XSP level) completed	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%
KBCI Requirements	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	+	+	+	+	+	+	+	+	+	+	+	4.8
	Link and Local Access Kerb Network (KBCI _{link})	+	+	+	+	+	+	+	+	+	+	+	5.4
	Poor or Failed KBSLs (at XSP level) completed	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%
CTCI Requirements	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	---	---	---	---	---	---	---	---	---	---	5.4	5.4
	Link and Local Access Cycle Track Network (CTCI _{link})	---	4.8	---	---	---	---	---	---	5.4	---	---	5.4
	Poor or Failed CTSLs (at XSP level) completed	---	20%	---	---	---	---	---	---	20%	---	---	20%
Street Lighting Requirements		1,333	616	758	561	899	1,521	459	994	1,941	744	183	3,321

	PFI District												
	1	2	3	4	5	6	7	8	9	10	11	12	
Non-Standard Street Lighting Requirements	12	115	26	2	67	2	38	17	46	14	399	332	
Pumping Station Requirements	—	—	—	—	—	—	—	—	—	—	—	6	
Traffic Signal Controllers more than 15 years old replaced	73											92	56
Tunnel Refurbishment Requirements												Completed as per the Milestones in the Tunnel Refurbishment Programme	

** Indicates values to be calculated in accordance with paragraph 1.5.8, following the provision of Milestone 2 Condition Data.*

1.8 Milestone 5 District Targets

- 1.8.1 That each of PFI Districts 1 to 12 (inclusive) has at least the applicable values for condition indices, as set out in Table 1.5 in respect of:
- 1.8.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.8.1.2 Secondary Distributor Network (NCI);
 - 1.8.1.3 Link Road Network (NCI_{link});
 - 1.8.1.4 Local Access Road Network (NCI_{local});
 - 1.8.1.5 Failed RSL completion rate;
 - 1.8.1.6 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.8.1.7 Link and Local Access Footway Network (FWCI_{link});
 - 1.8.1.8 Poor or Failed FWSL completion rate;
 - 1.8.1.9 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.8.1.10 Link and Local Access Verge Network (VGCI_{link});
 - 1.8.1.11 Poor or Failed VGSL completion rate;
 - 1.8.1.12 Prestige, Primary and Secondary Kerb Network (KBCI_{prest});
 - 1.8.1.13 Link and Local Access Kerb Network (KBCI_{link});
 - 1.8.1.14 Poor or Failed KBSL completion rate;
 - 1.8.1.15 Prestige, Primary and Secondary Cycle Track Network (CTCI_{prest});
 - 1.8.1.16 Link and Local Access Cycle Track Network (CTCI_{link}); and
 - 1.8.1.17 Poor or Failed CTSL completion rate.
- 1.8.2 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.5 meet the Street Lighting Required Outcomes;
- 1.8.3 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.5, have been

upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and

1.8.4 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.5, have been upgraded in accordance with the requirements of the relevant Asset Survey Report; and

1.8.5 that at least the number of Traffic Signal Controllers that will be more than 15 years old at the end of the Core Investment Period have been replaced, as set out in Table 1.5, in:

1.8.5.1 PFI Districts 1 to 10 (inclusive);

1.8.5.2 PFI District 11; and

1.8.5.3 PFI District 12.

Table 1.5 - Summary of Milestone 5 District Targets

		PFI District											
NCI Requirements		1	2	3	4	5	6	7	8	9	10	11	12
NCI Requirements	Strategic Route and Main Distributor Network (NCI)	---	---	---	---	---	---	---	---	---	---	---	15.9
	Secondary Distributor Network (NCI)	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
	Link Road Network (NCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
	Local Access Road Network (NCI _{local})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
FWCI Requirements	Failed RSLs (at XSP level) completed	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%
	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	5.2
	Link and Local Access Footway Network (FWCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	5.6
	Poor or Failed FWLS (at XSP level) completed	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	5.6
	Link and Local Access Verge Network (VGCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	5.6
	Poor or Failed VGSLs (at XSP level) completed	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	5.2
KBCI Requirements	Link and Local Access Kerb Network (KBCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	5.6
	Poor or Failed KBSLs (at XSP level) completed	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	---	---	---	---	---	---	---	---	---	---	---	5.6
	Link and Local Access Cycle Track Network (CTCI _{link})	---	5.2	---	---	---	---	---	---	5.6	---	---	5.6
Street Lighting Requirements	Poor or Failed CTSLs (at XSP level) completed	---	50%	---	---	---	---	---	---	50%	---	50%	50%
		1,884	871	1,071	794	1,270	2,149	649	1,405	2,743	1,051	259	4,693

	PFI District												
	1	2	3	4	5	6	7	8	9	10	11	12	
Non-Standard Street Lighting Requirements	17	163	37	3	94	3	54	24	65	20	564	470	
Pumping Station Requirements												8	
Traffic Signal Controllers more than 15 years old replaced	73											92	136

** Indicates values to be calculated in accordance with paragraph 1.5.8, following the provision of Milestone 2 Condition Data.*

1.9 Milestone 6 District Targets

- 1.9.1 That each of PFI Districts 1 to 12 (inclusive) has at least the applicable values for condition indices, as set out in Table 1.6 in respect of:
- 1.9.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.9.1.2 Secondary Distributor Network (NCI);
 - 1.9.1.3 Link Road Network (NCI_{link});
 - 1.9.1.4 Local Access Road Network (NCI_{local});
 - 1.9.1.5 Failed RSL completion rate;
 - 1.9.1.6 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.9.1.7 Link and Local Access Footway Network (FWCI_{link});
 - 1.9.1.8 Poor or Failed FWSL completion rate;
 - 1.9.1.9 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.9.1.10 Link and Local Access Verge Network (VGCI_{link});
 - 1.9.1.11 Poor or Failed VGSL completion rate;
 - 1.9.1.12 Prestige, Primary and Secondary Kerb Network (KBCI_{prest});
 - 1.9.1.13 Link and Local Access Kerb Network (KBCI_{link});
 - 1.9.1.14 Poor or Failed KBSL completion rate;
 - 1.9.1.15 Prestige, Primary and Secondary Cycle Track Network (CTCI_{prest});
 - 1.9.1.16 Link and Local Access Cycle Track Network (CTCI_{link}); and
 - 1.9.1.17 Poor or Failed CTSL completion rate.
- 1.9.2 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.6 meet the Street Lighting Required Outcomes;
- 1.9.3 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.6, have been

upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and

- 1.9.4 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.6, have been upgraded in accordance with the requirements of the relevant Asset Survey Report;
- 1.9.5 that at least the number of Traffic Signal Controllers that will be more than 15 years old at the end of the Core Investment Period have been replaced, as set out in Table 1.6, in:
 - 1.9.5.1 PFI Districts 1 to 10 (inclusive);
 - 1.9.5.2 PFI District 11; and
 - 1.9.5.3 PFI District 12;
- 1.9.6 that the relevant criteria in respect of Milestone 6 of the Tunnel Refurbishment Programme (as set out in Appendix 5 of schedule 15 (*Milestone Completion Criteria*)) have been completed;
- 1.9.7 that the Urban Traffic Management and Control System and the Fault Management System will be in operation in accordance with the requirements set out in Appendix E of part 1 and part 7 of this schedule 2 (*Output Specification*).

Table 1.6 - Summary of Milestone 6 District Targets

		PFI District											
		1	2	3	4	5	6	7	8	9	10	11	12
NCI Requirements	Strategic Route and Main Distributor Network (NCI)	---	---	---	---	---	---	---	---	---	---	---	16.5
	Secondary Distributor Network (NCI)	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	
	Link Road Network (NCI _{link})	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	
	Local Access Road Network (NCI _{local})	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	
FWCI Requirements	Failed RSLs (at XSP level) completed	57%	57%	57%	57%	57%	57%	57%	57%	57%	57%	57%	57%
	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	5.6
	Link and Local Access Footway Network (FWCI _{link})	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	5.8
	Poor or Failed FWLS (at XSP level) completed	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	5.8
	Link and Local Access Verge Network (VGCI _{link})	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	5.8
	Poor or Failed VGSLs (at XSP level) completed	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%
	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	5.6
KBCI Requirements	Link and Local Access Kerb Network (KBCI _{link})	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	+13.1%	5.8
	Poor or Failed KBSLs (at XSP level) completed	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%
	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	---	---	---	---	---	---	---	---	---	---	5.8	5.8
	Link and Local Access Cycle Track Network (CTCI _{link})	---	5.6	---	---	---	---	---	---	5.8	---	---	5.8
Street Lighting Requirements	Poor or Failed CTSLs (at XSP level) completed	---	63%	---	---	---	---	---	---	63%	---	63%	63%
		2,435	1,126	1,384	1,027	1,641	2,777	839	1,816	3,545	1,358	335	6,065

	PEI District												
	1	2	3	4	5	6	7	8	9	10	11	12	
Non-Standard Street Lighting Requirements	22	211	48	4	121	4	70	31	84	26	729	608	
Pumping Station Requirements	---	---	---	---	---	---	---	---	---	---	---	9	
Traffic Signal Controllers more than 15 years old replaced	73											92	217
UTMC and Fault management System Requirements												In full operation	
Tunnel Refurbishment Requirements												Completed as per the Milestones in the Tunnel Refurbishment Program ^e	

** Indicates values to be calculated in accordance with paragraph 1.5.8, following the provision of Milestone 2 Condition Data.*

1.10 Milestone 7 PFI District Targets

- 1.10.1 That each of PFI Districts 1 to 12 (inclusive) has at least the applicable values for condition indices, as set out in Table 1.7 in respect of:
- 1.10.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.10.1.2 Secondary Distributor Network (NCI);
 - 1.10.1.3 Link Road Network (NCI_{link});
 - 1.10.1.4 Local Access Road Network (NCI_{local});
 - 1.10.1.5 Failed RSL completion rate;
 - 1.10.1.6 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.10.1.7 Link and Local Access Footway Network (FWCI_{link});
 - 1.10.1.8 Poor or Failed FWSL completion rate;
 - 1.10.1.9 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.10.1.10 Link and Local Access Verge Network (VGCI_{link});
 - 1.10.1.11 Poor or Failed VGSL completion rate;
 - 1.10.1.12 Prestige, Primary and Secondary Kerb Network (KBCI_{prest});
 - 1.10.1.13 Link and Local Access Kerb Network (KBCI_{link});
 - 1.10.1.14 Poor or Failed KBSL completion rate;
 - 1.10.1.15 Prestige, Primary and Secondary Cycle Track Network (CTCI_{prest});
 - 1.10.1.16 Link and Local Access Cycle Track Network (CTCI_{link}); and
 - 1.10.1.17 Poor or Failed CTSL completion rate.
- 1.10.2 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.7 meet the Street Lighting Required Outcomes;
- 1.10.3 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.7, have been

upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and

1.10.4 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.7, have been upgraded in accordance with the requirements of the relevant Asset Survey Report; and

1.10.5 that at least the number of Traffic Signal Controllers that will be more than 15 years old at the end of the Core Investment Period have been replaced, as set out in Table 1.7, in:

1.10.5.1 PFI Districts 1 to 10 (inclusive);

1.10.5.2 PFI District 11; and

1.10.5.3 PFI District 12.

Table 1.7 - Summary of Milestone 7 District Targets

		PFI District											
		1	2	3	4	5	6	7	8	9	10	11	12
NCI Requirements	Strategic Route and Main Distributor Network (NCI)	--	--	--	--	--	--	--	--	--	--	--	17.2
	Secondary Distributor Network (NCI)	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
	Link Road Network (NCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
	Local Access Road Network (NCI _{local})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
FWCI Requirements	Failed RSLs (at XSP level) completed	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%
	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6
	Link and Local Access Footway Network (FWCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6
	Poor or Failed FWLSs (at XSP level) completed	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6
	Link and Local Access Verge Network (VGCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6
	Poor or Failed VGSLs (at XSP level) completed	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%
	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6
KBCI Requirements	Link and Local Access Kerb Network (KBCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6
	Poor or Failed KBSLs (at XSP level) completed	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%
	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	--	--	--	--	--	--	--	--	--	--	6	6
	Link and Local Access Cycle Track Network (CTCI _{link})	--	6	--	--	--	--	--	--	6	--	--	6
Street Lighting Requirements	Poor or Failed CTSLs (at XSP level) completed	--	76%	--	--	--	--	--	--	76%	--	--	76%
		2,986	1,381	1,697	1,260	2,012	3,405	1,029	2,227	4,347	1,665	411	7,438

	PFJ District											
	1	2	3	4	5	6	7	8	9	10	11	12
Non-Standard Street Lighting Requirements	27	259	59	5	148	5	86	38	103	32	894	746
Pumping Station Requirements												11
Traffic Signal Controllers more than 15 years old replaced					73						92	299

** Indicates values to be calculated in accordance with paragraph 1.5.8, following the provision of Milestone 2 Condition Data.*

1.11 Milestone 8 District Targets

- 1.11.1 That each of PFI Districts 1 to 12 (inclusive) has at least the applicable values for condition indices, as set out in Table 1.8 in respect of:
- 1.11.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.11.1.2 Secondary Distributor Network (NCI);
 - 1.11.1.3 Link Road Network (NCI_{link});
 - 1.11.1.4 Local Access Road Network (NCI_{local});
 - 1.11.1.5 Failed RSL completion rate;
 - 1.11.1.6 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.11.1.7 Link and Local Access Footway Network (FWCI_{link});
 - 1.11.1.8 Poor or Failed FWSL completion rate;
 - 1.11.1.9 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.11.1.10 Link and Local Access Verge Network (VGCI_{link});
 - 1.11.1.11 Poor or Failed VGSL completion rate;
 - 1.11.1.12 Prestige, Primary and Secondary Kerb Network (KBCI_{prest});
 - 1.11.1.13 Link and Local Access Kerb Network (KBCI_{link});
 - 1.11.1.14 Poor or Failed KBSL completion rate;
 - 1.11.1.15 Prestige, Primary and Secondary Cycle Track Network (CTCI_{prest});
 - 1.11.1.16 Link and Local Access Cycle Track Network (CTCI_{link}); and
 - 1.11.1.17 Poor or Failed CTSL completion rate.
- 1.11.2 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.8 meet the Street Lighting Required Outcomes;
- 1.11.3 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.8, have been

upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and

1.11.4 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.8, have been upgraded in accordance with the requirements of the relevant Asset Survey Report; and

1.11.5 that at least the number of Traffic Signal Controllers that will be more than 15 years old at the end of the Core Investment Period have been replaced, as set out in Table 1.8, in:

1.11.5.1 PFI Districts 1 to 10 (inclusive);

1.11.5.2 PFI District 11; and

1.11.5.3 PFI District 12; and

1.11.6 that the relevant criteria in respect of Milestone 8 of the Tunnel Refurbishment Programme (as set out in Appendix 5 of schedule 15 (*Milestone Completion Criteria*)) have been completed.

Table 1.8 - Summary of Milestone 8 District Targets

		PFI District											
		1	2	3	4	5	6	7	8	9	10	11	12
NCI Requirements	Strategic Route and Main Distributor Network (NCI)	---	---	---	---	---	---	---	---	---	---	---	17.8
	Secondary Distributor Network (NCI)	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
	Link Road Network (NCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
	Local Access Road Network (NCI _{local})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
FWCI Requirements	Failed RSLs (at XSP level) completed	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%	84%
	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.4
	Link and Local Access Footway Network (FWCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.2
	Poor or Failed FWLS (at XSP level) completed	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.2
	Link and Local Access Verge Network (VGCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.2
	Poor or Failed VGSLs (at XSP level) completed	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.4
KBCI Requirements	Link and Local Access Kerb Network (KBCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.2
	Poor or Failed KBSLs (at XSP level) completed	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%	89%
	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	---	---	---	---	---	---	---	---	---	---	6.2	6.2
	Link and Local Access Cycle Track Network (CTCI _{link})	---	6.4	---	---	---	---	---	---	6.2	---	---	6.2
Street Lighting Requirements	Poor or Failed CTSLs (at XSP level) completed	---	89%	---	---	---	---	---	---	89%	---	89%	89%
		3,537	1,636	2,011	1,493	2,383	4,034	1,219	2,638	5,149	1,973	487	8,811

	PRI District												
	1	2	3	4	5	6	7	8	9	10	11	12	
Non-Standard Street Lighting Requirements	32	307	70	6	175	6	102	45	122	38	1,058	883	
Pumping Station Requirements	—	—	—	—	—	—	—	—	—	—	—	12	
Traffic Signal Controllers more than 15 years old replaced	73											92	381
Tunnel Refurbishment Requirements												Completed as per the Milestones in the Tunnel Refurbishment Program	

* Indicates values to be calculated in accordance with paragraph 1.5.8, following the provision of Milestone 2 Condition Data.

1.12 Milestone 9 District Targets

- 1.12.1 That each of PFI Districts 1 to 12 (inclusive) has at least the applicable values for condition indices, as set out in Table 1.9 in respect of:
- 1.12.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.12.1.2 Secondary Distributor Network (NCI);
 - 1.12.1.3 Link Road Network (NCI_{link});
 - 1.12.1.4 Local Access Road Network (NCI_{local});
 - 1.12.1.5 Failed RSL completion rate;
 - 1.12.1.6 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.12.1.7 Link and Local Access Footway Network (FWCI_{link});
 - 1.12.1.8 Poor or Failed FWSL completion rate;
 - 1.12.1.9 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.12.1.10 Link and Local Access Verge Network (VGCI_{link});
 - 1.12.1.11 Poor or Failed VGSL completion rate;
 - 1.12.1.12 Prestige, Primary and Secondary Kerb Network (KBCI_{prest});
 - 1.12.1.13 Link and Local Access Kerb Network (KBCI_{link});
 - 1.12.1.14 Poor or Failed KBSL completion rate;
 - 1.12.1.15 Prestige, Primary and Secondary Cycle Track Network (CTCI_{prest});
 - 1.12.1.16 Link and Local Access Cycle Track Network (CTCI_{link}); and
 - 1.12.1.17 Poor or Failed CTSL completion rate.
- 1.12.2 That for at least the number of Lighting Points in relation to Street Lighting in each of PFI Districts 1 to 12 (inclusive) excluding Deemed to Comply Street Lighting set out in Table 1.9 meet the Street Lighting Required Outcomes;
- 1.12.3 That at least the number of Lighting Points in relation to Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) set out in Table 1.9, have been

upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*); and

1.12.4 That for PFI District 12 at least the number of Pumping Stations, as set out in Table 1.9, have been upgraded in accordance with the requirements of the relevant Asset Survey Report; and

1.12.5 that at least the number of Traffic Signal Controllers that will be more than 15 years old at the end of the Core Investment Period have been replaced, as set out in Table 1.9, in:

1.12.5.1 PFI Districts 1 to 10 (inclusive);

1.12.5.2 PFI District 11; and

1.12.5.3 PFI District 12.

Table 1.9 - Summary of Milestone 9 District Targets

		PFI District											
NCI Requirements		1	2	3	4	5	6	7	8	9	10	11	12
NCI Requirements	Strategic Route and Main Distributor Network (NCI)	—	—	—	—	—	—	—	—	—	—	—	18.5
	Secondary Distributor Network (NCI)	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
	Link Road Network (NCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
	Local Access Road Network (NCI _{local})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	
FWCI Requirements	Failed RSLs (at XSP level) completed	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.6
	Link and Local Access Footway Network (FWCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.3
	Poor or Failed FWSLs (at XSP level) completed	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.3
	Link and Local Access Verge Network (VGCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.3
	Poor or Failed VGSLs (at XSP level) completed	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%
	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.6
KBCI Requirements	Link and Local Access Kerb Network (KBCI _{link})	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	*+13.1%	6.3
	Poor or Failed KBSLs (at XSP level) completed	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%
	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	—	—	—	—	—	—	—	—	—	—	—	6.3
	Link and Local Access Cycle Track Network (CTCI _{link})	—	6.6	—	—	—	—	—	—	6.3	—	—	6.3
Street Lighting Requirements	Poor or Failed CTSLs (at XSP level) completed	—	96%	—	—	—	—	—	—	96%	—	—	96%
		3,977	1,840	2,261	1,679	2,680	4,536	1,371	2,967	5,790	2,219	548	9,909

	PFI District											
	1	2	3	4	5	6	7	8	9	10	11	12
Non-Standard Street Lighting Requirements	36	344	79	7	196	7	115	50	137	43	1,189	992
Pumping Station Requirements												14
Traffic Signal Controllers more than 15 years old replaced					73						92	424

** Indicates values to be calculated in accordance with paragraph 1.5.8, following the provision of Milestone 2 Condition Data.*

1.13 Milestone 10 District Targets

- 1.13.1 That each of PFI Districts 1 to 12 (inclusive) has at least the applicable values for condition indices, as set out in Table 1.10 in respect of:
- 1.13.1.1 Strategic Route and Main Distributor Network (NCI);
 - 1.13.1.2 Secondary Distributor Network (NCI);
 - 1.13.1.3 Link Road Network (NCI_{link});
 - 1.13.1.4 Local Access Road Network (NCI_{local});
 - 1.13.1.5 Prestige, Primary and Secondary Footway Network (FWCI_{prest});
 - 1.13.1.6 Link and Local Access Footway Network (FWCI_{link});
 - 1.13.1.7 Prestige, Primary and Secondary Verge Network (VGCI_{prest});
 - 1.13.1.8 Link and Local Access Verge Network (VGCI_{link});
 - 1.13.1.9 Prestige, Primary and Secondary Kerb Network (KBCI_{prest});
 - 1.13.1.10 Link and Local Access Kerb Network (KBCI_{link});
 - 1.13.1.11 Prestige, Primary and Secondary Cycle Track Network (CTCI_{prest});
 - 1.13.1.12 Link and Local Access Cycle Track Network (CTCI_{link}); and
- 1.13.2 no Road Section Length in each of PFI Districts 1 to 12 (inclusive) is Failed;
- 1.13.3 no Footway Section Length, Verge Section Length, Kerb Section Length or Cycling Track Section Length in each of PFI Districts 1 to 12 (inclusive) are Poor or below;
- 1.13.4 all Road Section Lengths have an SRI value greater than 1.2;
- 1.13.5 all Street Lighting in each of PFI Districts 1 to 12 (inclusive) (excluding Deemed to Comply Street Lighting) meets the Street Lighting Required Outcomes;
- 1.13.6 all Non-Standard Street Lighting in each of PFI Districts 1 to 12 (inclusive) has been upgraded in accordance with the requirements of paragraph 1.1.7 of part 1 of this schedule 2 (*Output Specification*);

- 1.13.7 all Pumping Stations have been upgraded in accordance with the requirements of the relevant Asset Survey Report;
- 1.13.8 all Traffic Signal Controllers in PFI Districts 1 to 12 (inclusive) more than 15 years old have been replaced;
- 1.13.9 all Structures and Bridges (excluding Deemed to Comply Structures and Bridges) are capable of carrying the load effects associated with the full 40 tonnes Assessment Live Loading in accordance with BD21/01 of the DMRB (unless otherwise agreed with the Authority); and
- 1.13.10 the Service Provider has completed the refurbishment requirements for the St Chad's, Queensway and Lancaster Circus Tunnels, as set out in paragraph 1.1.5 of Part 1 of this schedule 2 (*Output Specification*).

Table 1.10 - Summary of Milestone 10 District Targets

		PFI District											
NCI Requirements		1	2	3	4	5	6	7	8	9	10	11	12
NCI Requirements	Strategic Route and Main Distributor Network (NCI)	--	--	--	--	--	--	--	--	--	--	--	18.6
	Secondary Distributor Network (NCI)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	
	Link Road Network (NCI _{link})	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	
	Local Access Road Network (NCI _{local})	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	
FWCI Requirements	Failed RSLs (at XSP level) completed	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Prestige, Primary and Secondary Footway Network (FWCI _{prest})	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
	Link and Local Access Footway Network (FWCI _{link})	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
	Poor or Failed FWLS (at XSP level) completed	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
VGCI Requirements	Prestige, Primary and Secondary Verge Network (VGCI _{prest})	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
	Link and Local Access Verge Network (VGCI _{link})	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
	Poor or Failed VGSLs (at XSP level) completed	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Prestige, Primary and Secondary Kerb Network (KBCI _{prest})	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
KBCI Requirements	Link and Local Access Kerb Network (KBCI _{link})	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
	Poor or Failed KBSLs (at XSP level) completed	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Prestige, Primary and Secondary Cycle Track Network (CTCI _{prest})	--	--	--	--	--	--	--	--	--	--	6.6	6.6
	Link and Local Access Cycle Track Network (CTCI _{link})	--	6.6	--	--	--	--	--	--	--	--	--	--
SRI per RSL	Poor or Failed CTSLs (at XSP level) completed	--	100%	--	--	--	--	--	--	100	--	100%	100%
		>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2	>1.2

	PFJ District											
	1	2	3	4	5	6	7	8	9	10	11	12
Street Lighting Requirements	4,150	1,920	2,360	1,752	2,797	4,734	1,431	3,096	6,042	2,316	572	10,341
Non-Standard Street Lighting Requirements	37	359	82	7	204	7	120	53	143	45	1,240	1,034
Pumping Station Requirements												15
Traffic Signal Controllers more than 15 years old replaced											92	448
Structures and Bridge Requirements	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
St Chad's, Queensway and Lancaster Circus Tunnel Requirements												Completed

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PART 1B

Performance Standard 1B - Network and Infrastructure Condition Post Core Investment Period

1. SERVICE DELIVERY OUTPUTS

Following completion of all of the Milestone 10 District Targets in any PFI District the Service Provider shall ensure the Project Network Parts meet the following requirements:

1.1 Carriageway

1.1.1 The Service Provider shall ensure that PFI District 12 has:

1.1.1.1 an NCI_{main} of at least 18.6; and

1.1.1.2 no Road Section Length on it that has an NCI_{main} that is less than 4.4.

1.1.2 The Service Provider shall ensure that in each of PFI Districts 1 to 11 (inclusive) that:

1.1.2.1 the Secondary Distributor Network has:

(a) an NCI_{sec} of at least 9.9; and

(b) no Road Section Length on it that has an NCI_{sec} that is less than 3.6;

1.1.2.2 the Link Road Network has:

(a) an NCI_{link} of at least 6.6; and

(b) no Road Section Length on it that has an NCI_{link} that is less than 3.6;

1.1.2.3 the Local Access Road Network has:

(a) an NCI_{local} of at least 6.6; and

(b) no Road Section Length on it that has an NCI_{local} that is less than 2.4.

1.1.3 No Road Section Lengths on each of the Network Route Hierarchies except the Local Access Route Network in each of PFI Districts 1 to 12 (inclusive) has an SRI of less than 1.2.

1.2 Footway Section Lengths

1.2.1 The Service Provider shall maintain each Footway Section Length so that in relation to each PFI District:

1.2.1.1 the Prestige, Primary and Secondary Footway Network has:

- (a) an $FWCI_{prest}$ of at least 6.6; and
- (b) no Footway Section Length on it that has an $FWCI_{prest}$ that is less than or equal to 4.8,

and

1.2.1.2 the Link and Local Access Footway Network has:

- (a) an $FWCI_{link}$ of at least 6.6; and
- (b) no Footway Section Length on it that has a $FWCI_{link}$ that is less than or equal to 4.8.

1.3 Verge Section Lengths

1.3.1 The Service Provider shall maintain each Verge Section Length so that in relation to each PFI District:

1.3.1.1 the Prestige, Primary and Secondary Verge Network has:

- (a) a $VGCI_{prest}$ of at least 6.6; and
- (b) no Verge Section Length on it that has a $VGCI_{prest}$ that is less than or equal to 4.8; and

1.3.1.2 the Link and Local Access Verge Network has:

- (a) a $VGCI_{link}$ of at least 6.6; and
- (b) no Verge Section Length on it that has a $VGCI_{link}$ that is less than or equal to 4.8.

1.4 Cycle Track Section Lengths

1.4.1 The Service Provider shall maintain each Cycle Track Section Length so that in relation to each PFI District:

1.4.1.1 the Prestige, Primary and Secondary Cycle Track Network has:

- (a) a $CTCI_{prest}$ of at least 6.6; and
- (b) no Cycle Track Section Length on it that has a $VCTCI_{prest}$ that is less than or equal to 4.8; and

1.4.1.2 the Link and Local Access Cycle Track Network has:

- (a) $CTCI_{link}$ of at least 6.6; and
- (b) no Cycle Track Section Length on it that has a $CTCI_{link}$ that is less than or equal to 4.8.

1.5 Kerb Section Lengths

1.5.1 The Service Provider shall maintain each Kerb Section Length so that in relation to each PFI District:

1.5.1.1 the Prestige, Primary and Secondary Kerb Network has:

- (a) a $KBCI_{prest}$ of at least 6.6;
- (b) no Kerb Section Length on the Prestige, Primary and Secondary Kerb Network has a $KBCI_{prest}$ that is less than or equal to 4.8,

and

1.5.1.2 the Link and Local Access Kerb Network has:

- (a) a $KBCI_{link}$ of at least 6.6; and
- (b) no Kerb Section Length on The Link and Local Access Kerb Network has a $KBCI_{link}$ that is less than or equal to 4.8.

1.6 Structures and Bridges

The Service Provider shall ensure that each Structure and Bridge (excluding Deemed to Comply Structures and Bridges) is capable of carrying the load effects associated with the full 40 tonnes Assessment Live Loading in accordance with BD 21/01 of the DMRB (unless otherwise agreed with the Authority).

1.7 Street Lighting

1.7.1 The Service Provider shall ensure that:

1.7.1.1 all Street Lighting (excluding Deemed to Comply Street Lighting) is compliant with the requirements of BS 5489:2003 and BS EN 13201:2003 and, for the avoidance of doubt, such requirements include the information set out in Appendix B or Appendix C of this part 1 of schedule 2 (*Output Specification*) (as the case may be); and

1.7.1.2 all Street Lighting that is part of a Deemed to Comply Street Lighting System (excluding Non-Standard Street Lighting and Street Lighting Accrued after the Service Commencement Date) shall from the expiry of the Core Investment Period be replaced or upgraded on or prior to 7 June 2032;

1.7.1.3 the Deemed to Comply Street Lighting (excluding Non-Standard Street Lighting and Street Lighting accrued following the Service Commencement Date) shall be replaced as Lighting Column Replacements at rate of:

(a) not less than 2,000 Lighting Columns in each Contract Year from the expiry of the Core Investment Period to the end of Contract Year 12; and

(b) not less than 1,000 Lighting Columns in each Contract Year from the beginning of Contract Year 13 to the end of Contract Year 22

provided always that a minimum of 24,000 Lighting Column Replacements are replaced by 7 June 2032. The balance in excess of the minimum aggregate Lighting Point Replacements in each Contract Year and in the aggregate prior to 7 June 2032 may be replaced or upgraded;

1.7.1.4 all Street Lighting that is replaced or upgraded pursuant to paragraphs 1.7.1.2 and 1.7.1.3 shall be compliant with the requirements of BS 5489:2003 and BS EN 13201:2003 and for the avoidance of doubt, such requirements include the information set out in Appendix B or Appendix C of this part 1 of schedule 2 (*Output Specification*) (as the case may be); and

1.7.1.5 all Street Lighting that is replaced or upgraded shall be:

- (a) capable of having its light output controlled remotely;
- (b) provided with electronic control gear capable of maintaining the power factor at a value of 0.9 or better throughout its service life; and
- (c) capable of being monitored remotely; and

1.7.2 all Street Lighting that has been upgraded in accordance with paragraph 1.7.1.5 is remotely monitored within two (2) years of such upgrade;

1.8 Traffic Signal Controllers

The Service Provider shall ensure that no Traffic Signal Controller is more than 20 years old at the end of each Contract Year.

1.9 Tunnels

The Service Provider shall ensure that the Queensway, St. Chad's and Lancaster Circus tunnels are maintained in accordance with the respective Maintenance Manuals prepared at the time of completion of Core Investment Works, as approved by the Tunnel Design Safety Consultation Group (TDSCG), so that:

1.9.1 no Tunnel shall become Unavailable as a result of maintenance not being carried out in accordance with the relevant Maintenance Manual; and

1.9.2 other maintenance specified in the relevant Maintenance Manual (that does not result in a Tunnel becoming Unavailable) is carried out.

1.10 Materials

- 1.10.1 The Service Provider shall not use concrete in any resurfacing works undertaken to the Project Roads unless the Service Provider is carrying out repairs to an existing section of concrete Carriageway.
- 1.10.2 The Service Provider shall ensure that:
- 1.10.2.1 no Lighting Column is replaced with a Lighting Column that is made of concrete;
 - 1.10.2.2 no Lighting Column is replaced with a Lighting Column that is made of cast iron, unless agreed with the Authority;
 - 1.10.2.3 where a Street Name Plate made from cast iron is replaced, it is replaced according to the specification set out in Appendix F of part 1A of this schedule 2 (*Output Specification*); and
 - 1.10.2.4 where a Grating is replaced, it is not replaced with a Grating that is not hinged.
- 1.10.3 The Service Provider shall ensure that any materials used in the performance of the Services are of a similar quality and type to those materials of which the relevant Project Network Part is or was constructed prior to the performance of the Services, provided that:
- 1.10.3.1 where such construction material was different to the material predominantly used at the site in the construction of the relevant Project Network Part then the Service Provider shall use such predominant material in the performance of the relevant Services; or
 - 1.10.3.2 where an Approved Treatment applies then the Service Provider shall use such Approved Treatment in the performance of the relevant Services; or
 - 1.10.3.3 the use of LED Arrays shall be deemed to be of similar quality or type to those materials that the relevant Project Network Part is or was constructed prior to performance of the Services.

1.10.4 Subject to paragraphs 1.10.1 to 1.10.3 (inclusive), where the performance of the Services requires the Service Provider to carry out works to any Project Network Part the Service Provider shall use those materials detailed in paragraph 1.10.3 in the carrying out of such works unless:

1.10.4.1 the Service Provider is unable to determine the predominant material at the site of any such Project Network Part in accordance with paragraph 1.10.3, in which case the Service Provider shall agree such material to be used in carrying out such works with the Authority;

1.10.4.2 otherwise agreed by the Authority under schedule 18 (*Change Protocol*); or

1.10.4.3 such use is for the purpose of a temporary repair in accordance with this schedule 2 (*Output Specification*).

1.10.5 The Service Provider shall ensure that where Project Network Parts are reused, refurbished or rebuilt:

1.10.5.1 such use is with the prior agreement of the Authority (excluding Carriageway, Footway, Verge or Cycle Track construction materials, which the Service Provider may reuse);

1.10.5.2 unless otherwise agreed by the Authority under paragraph 1.10.5.1 above, such use does not form part of Core Investment Works or life cycle replacement of Project Network Parts; and

1.10.5.3 such parts:

(a) meet the relevant performance requirements of this schedule 2 (*Output Specification*);

(b) are in keeping with the appearance, design and decorative condition of other Project Network Parts with which they will be co-located; and

(c) are from the Project Network.

1.11 Authority Agreement, Consent or Approval

- 1.11.1 Where the agreement, approval or consent of the Authority is required pursuant to paragraph 1.10 of this part 1B of schedule 2 (*Output Specification*) such agreement, approval or consent shall be deemed to have been given where any such activities are set out in the relevant agreed Annual Programme.
- 1.11.2 In relation to all such other activities that require the agreement, consent or approval of the Authority that are not set out in any relevant agreed Annual Programme, the Authority shall respond to any written requests for agreement, consent or approval by the Service Provider as soon as reasonably practicable and, in any event, within five (5) Business Days of receipt of such request.
- 1.11.3 Where the Authority refuses or fails to respond to such written request in accordance with paragraph 1.11.2 the Service Provider shall be entitled to proceed in the provision of the Services provided that such provision is in accordance with the requirements of this Contract.

2. PERFORMANCE TARGETS

The Service Provider shall maintain the Project Network in accordance with the Performance Targets set out in Table 1.

TABLE 1

Service Delivery Output Element	Performance Target	Rectification Period	Adjustment Type	Adjustment Period	Moratorium Period	Monitoring Method	Monitoring Frequency
Carriageway	Compliance with paragraph 1.1.1.1 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DNRHNCIA	1 Month	N/A	A	Annually
Carriageway	Compliance with paragraph 1.1.1.2 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IRSLA	1 Month	N/A	A	Annually
Carriageway	Compliance with paragraph 1.1.2.1(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DNRHNCIA	1 Month	N/A	A	Annually
Carriageway	Compliance with paragraph 1.1.2.1(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IRSLA	1 Month	N/A	A	Annually
Carriageway	Compliance with paragraph 1.1.2.2(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DNRHNCIA	1 Month	N/A	A	Annually
Carriageway	Compliance with paragraph 1.1.2.2(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IRSLA	1 Month	N/A	A	Annually
Carriageway	Compliance with paragraph 1.1.2.3(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DNRHNCIA	1 Month	N/A	A	Annually
Carriageway	Compliance with paragraph 1.1.2.3(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IRSLA	1 Month	N/A	A	Annually
Carriageway	Compliance with paragraph 1.1.3 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IRSLA	1 Month	N/A	A	Annually
Footway	Compliance with paragraph 1.2.1.1(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DFHFWCIA	1 Month	N/A	A	Annually
Footway	Compliance with paragraph 1.2.1.1(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IFSLA	1 Month	N/A	A	Annually
Footway	Compliance with paragraph 1.2.1.2(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DFHFWCIA	1 Month	N/A	A	Annually

Service Delivery Output Element	Performance Target	Rectification Period	Adjustment Type	Adjustment Period	Moratorium Period	Monitoring Method	Monitoring Frequency
Footway	Compliance with paragraph 1.2.1.2(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IFSLA	1 Month	N/A	A	Annually
Verge	Compliance with paragraph 1.3.1.1(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DVHVGCIA	1 Month	N/A	A	Annually
Verge	Compliance with paragraph 1.3.1.1(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IVSLA	1 Month	N/A	A	Annually
Verge	Compliance with paragraph 1.3.1.2(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DVHVGCIA	1 Month	N/A	A	Annually
Verge	Compliance with paragraph 1.3.1.2(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IVSLA	1 Month	N/A	A	Annually
Cycle Track	Compliance with paragraph 1.4.1.1(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DCTHCTCIA	1 Month	N/A	A	Annually
Cycle Track	Compliance with paragraph 1.4.1.1(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	ICTSLA	1 Month	N/A	A	Annually
Cycle Track	Compliance with paragraph 1.4.1.2(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DCTHCTCIA	1 Month	N/A	A	Annually
Cycle Track	Compliance with paragraph 1.4.1.2(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	ICTSLA	1 Month	N/A	A	Annually
Kerb	Compliance with paragraph 1.5.1.1(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DKHKBCIA	1 Month	N/A	A	Annually
Kerb	Compliance with paragraph 1.5.1.1(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IKSLA	1 Month	N/A	A	Annually
Kerb	Compliance with paragraph 1.5.1.2(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	DKHKBCIA	1 Month	N/A	A	Annually
Kerb	Compliance with paragraph 1.5.1.2(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	IKSLA	1 Month	N/A	A	Annually

Service Delivery Output Element	Performance Target	Rectification Period	Adjustment Type	Adjustment Period	Moratorium Period	Monitoring Method	Monitoring Frequency
Structures and Bridges	Compliance with paragraph 1.6 of this part 1B of schedule 2 (<i>Output Specification</i>)	3 months	Structure Adjustment	1 Month	N/A	B	As determined in accordance with clause 6
Street Lighting	Compliance with paragraph 1.7.1.1 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	SL1(a)A	1 Month	N/A	C	Annually
Street Lighting	Compliance with paragraph 1.7.1.2 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	SL1(a)A	1 Month	N/A	D	Annually
Street Lighting	Compliance with paragraph 1.7.1.3 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	SL1(a)A	1 Month	N/A	D	Annually
Street Lighting	Compliance with paragraph 1.7.1.4 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	SL1(a)A	1 Month	N/A	D	Annually
Street Lighting	Compliance with paragraph 1.7.1.5(a) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	SL1(a)A	1 Month	N/A	D	Annually
Street Lighting	Compliance with paragraph 1.7.1.5(b) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	SL1(a)A	1 Month	N/A	D	Annually
Street Lighting	Compliance with paragraph 1.7.1.5(c) of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	SL1(a)A	1 Month	N/A	D	Annually
Street Lighting	Compliance with paragraph 1.7.2 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	SL1(b)A	1 Month	N/A	D	Annually
Traffic Signal Controllers	Compliance with paragraph 1.8 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	Traffic Signal Controller Adjustment	1 Month	N/A	D	Annually

Service Delivery Output Element	Performance Target	Rectification Period	Adjustment Type	Adjustment Period	Moratorium Period	Monitoring Method	Monitoring Frequency
St Chad's, Queensway and Lancaster Circus Tunnels	Compliance with paragraph 1.9.1 of this part 1B of schedule 2 (<i>Output Specification</i>)	N/A	Tunnel Adjustment	1 hour	N/A	J	Annually
St Chad's, Queensway and Lancaster Circus Tunnels	Compliance with paragraph 1.9.2 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 week	TIBA	1 day	N/A	F	Monthly
Materials	Compliance with paragraph 1.10.1 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 Month	PSIB Materials Adjustment	1 Month	N/A	D	Annually
Materials	Compliance with paragraph 1.10.2.1 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 Month	PSIB Materials Adjustment	1 Month	N/A	D	Annually
Materials	Compliance with paragraph 1.10.2.2 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 Month	PSIB Materials Adjustment	1 Month	N/A	D	Annually
Materials	Compliance with paragraph 1.10.2.3 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 Month	PSIB Materials Adjustment	1 Month	N/A	D	Annually
Materials	Compliance with paragraph 1.10.2.4 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 Month	PSIB Materials Adjustment	1 Month	N/A	D	Annually
Materials	Compliance with paragraph 1.10.3 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 Month	PSIB Materials Adjustment	1 Month	N/A	D	Annually
Materials	Compliance with paragraph 1.10.4 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 Month	PSIB Materials Adjustment	1 Month	N/A	D	Annually

Service Delivery Output Element	Performance Target	Rectification Period	Adjustment Type	Adjustment Period	Moratorium Period	Monitoring Method	Monitoring Frequency
Materials	Compliance with paragraph 1.10.5 of this part 1B of schedule 2 (<i>Output Specification</i>)	1 Month	PS1B Materials Adjustment	1 Month	N/A	D	Annually

APPENDIX A TO PART 1 OF SCHEDULE 2 (*OUTPUT SPECIFICATION*)

Tunnel Refurbishment Requirements

(i) St Chad's and Queensway Tunnels

1. The Service Provider shall ensure that by the Planned Milestone Completion Date in respect of Milestone 10, St Chad's and Queensway Tunnels are refurbished so that such Tunnels comply with the requirements of:
 - 1.1 BD 78/99 of the DMRB; and
 - 1.2 The Road Tunnel Safety Regulations 2007.
2. The Service Provider shall undertake tunnel refurbishment work in accordance with the following:
 - 2.1 Recommendations of an outline feasibility study by Atkins dated 31 October 2008 (as revised) entitled "*Queensway and St. Chad's Tunnels Refurbishment – Feasibility Study*";

This report is contained in the Authority's Data Room document 0634.01 in schedule 35 (*Technical Information*).
 - 2.2 Atkins reports entitled:
 - 2.2.1 "*3D numerical simulation of smoke spread during an HGV fire in St. Chad's Underpass*" – Draft dated August 2008 (Final version October 2008); and
 - 2.2.2 "*St. Chad's Monitoring Report*" -Draft - August 2008 (Final version October 2008).

These reports are contained in the Authority's Data Room documents 0634.03 and 0634.02 respectively, in schedule 35 (*Technical Information*).

(ii) Lancaster Circus Tunnel

3. The refurbishment work is to be undertaken in accordance with the recommendations of the Atkins report entitled "*Lancaster Tunnel Feasibility Study December 2008*" contained in the Authority's Data Room Document 0642 in schedule 35 (*Technical Information*).

APPENDIX B TO PART 1 OF SCHEDULE 2 (OUTPUT SPECIFICATION)

Specific Lighting Design Standards

1. Overall Standards

- 1.1 Subject to Appendix C of this part 1 of schedule 2 (*Output Specification*) the minimum level of lighting provided by Street Lighting on the Project Network shall be in accordance with this Appendix B of this part 1 of schedule 2 (*Output Specification*) which, for the avoidance of doubt, is based on the requirements of BS EN 13201:2003 and BS 5489:2003;
- 1.2 The provisions of this Appendix B shall not apply to Deemed to Comply Street Lighting until it is agreed with the Authority in accordance with the provisions of this Contract that such Deemed to Comply Street Lighting is to be replaced with Street Lighting that complies with the provisions of this Appendix B.
- 1.3 Where dimming of street lighting is used or approved in accordance with Appendix C, the amended lighting requirements shall take cognisance of Technical Report 27 (*Code of Practice for Variable Light Levels for Highways*), issued by the Institution of Lighting Engineers.

2. Strategic Route and Main Distributor Network and Secondary Distributor Network

- 2.1 Where the Service Provider is replacing Lighting Points on those Project Roads identified in column 2 of Table 1 below the Service Provider shall ensure that:
 - 2.1.1 Lighting Points of the corresponding Lighting Class identified in column 3 of Table 1 are placed on the relevant Project Road;
 - 2.1.2 Lighting Columns of such Lighting Points referred to in paragraph 2.1.1 do not exceed the corresponding maximum height of a Lighting Column identified in column 5 of Table 1;
 - 2.1.3 where a Conflict Area exists on the relevant type of Project Road, Lighting Points of the corresponding Lighting Class identified in column 4 of Table 1 are placed in such relevant Conflict Area;
 - 2.1.4 Lighting Columns of such Lighting Points referred to in paragraph 2.1.3 do not exceed the corresponding maximum height of a Lighting Column identified in column 5 of Table 1;
 - 2.1.5 subject to paragraph 2.1.6, all Luminaires used on Project Roads that are classed as category 2, 3a and 3b shall have a luminous intensity class of G3 or greater;
 - 2.1.6 all Luminaires used on roundabouts shall have a luminous intensity class of G5 or

greater; and

- 2.1.7 light output shall be reduced by one lighting class between the hours of 12.00am and 4.00am.

Table 1: Strategic Route and Main Distribution Network and Secondary Distributor Network

Category	Type of Project Road	Lighting Class	Conflict Area	Max. Height of a Lighting Column (m)
2	Strategic Routes on the Strategic Route and Main Distributor Network	ME2	CE1	12
3a	Main Distributor Routes on the Strategic Route and Main Distributor Network	ME3a	CE2	12
3b	Secondary Distributor Routes on the Secondary Distributor Network	ME3c	CE2	10

Note: This table also applies to the area of PFI District 11 (City Centre) other than that set out in the Authority's Data Room document 0641 in schedule 33 (*Plans*).

3. Link Road Network and Local Access Road Network

- 3.1 Where the Service Provider is replacing Lighting Points on those Project Roads identified in column 2 of Table 2 below, the Service Provider shall ensure that:
- 3.1.1 Lighting Points of the corresponding Lighting Class identified in column 3 of Table 2 are placed on such relevant Project Road;
 - 3.1.2 Lighting Columns of such Lighting Points referred to in paragraph 3.1.1 do not exceed the corresponding maximum height of a Lighting Column identified in column 4 of Table 2;
 - 3.1.3 Luminaires shall have adequate optical control to minimise light pollution and obtrusive light to properties and shall conform to the E3 environmental zone obtrusive light limitations, defined in the Lighting Engineers Guidance Notes for the Reduction of Lighting Pollution; and
 - 3.1.4 light output shall be reduced by one lighting class between the hours of 12.00am and 4.00am.

Table 2 - Link Road and Local Access Road Network

Category	Type of Project Road	Lighting Class		Max. Height of a Lighting Column (m)
		Lamp R _a <60	Lamp R _a ≥60	
4a	Link Routes on the Link Road Network	S2	S3	8
4b	Local Access Routes on the Local Access Road Network	S3	S4	6

Note: This table also applies to that part of PFI District 11 (City Centre) other than the area shown in the Authority's Data Room document 0641 in schedule 33 (*Plans*).

4. City Centre and District Centres

4.1 Where the Service Provider is replacing Lighting Points in those areas of the Project Network identified in column 1 of Table 3 below, the Service Provider shall ensure that:

- 4.1.1 Lighting Points of the corresponding Lighting Class identified in column 2 of Table 3 are placed in such relevant areas of the Project Network;
- 4.1.2 all Luminaires shall have a luminous intensity class of G4 or greater;
- 4.1.3 light sources shall have a colour-rendering index equal to or in excess of Ra60; and
- 4.1.4 light output shall be reduced by one lighting class between the hours of 12.00am and 4.00am.

Table 3 – City Centre and District Centres

Areas of the Project Network	Lighting Class
City Centre and District Centres which are mixed vehicular and pedestrian areas	CE1
City Centre and District Centres which are wholly pedestrian areas	CE2
City Centre and District Centres which are pedestrian subway areas	CE0
All other pedestrian subway areas on the Project Network	CE2

Note: The areas of PFI District 11 (City Centre) and District Centres to which this table applies are set out in the Authority's Data Room documents 0641 and 0685 in schedule 33 (*Plans*).

5. Footpaths and Cycle Tracks

5.1 Where the Service Provider is replacing Lighting Points on those Footpaths and / or Cycle Tracks identified in column 2 of Table 4 below, the Service Provider shall ensure that:

5.1.1 Lighting Points of the corresponding Lighting Class identified in column 3 of Table 4 are placed on such relevant Footpath(s) and / or Cycle Track(s);

5.1.2 Lighting Columns of such Lighting Points referred to in paragraph 5.1.1 do not exceed the corresponding maximum height of a Lighting Column identified in column 4 of Table 4; and

5.1.3 light output shall be reduced by one lighting class between the hours of 12.00am and 4.00am, provided that the lighting class shall not be reduced below S5.

Table 4: Footpaths and Cycle Tracks

Group	Types of Footpaths and Cycle Tracks	Lighting Class		Max. Height of a Lighting Column (m)
		Lamp R _a <60	Lamp R _a ≥60	
1	Footpaths and Cycle Tracks that are on the Prestige, Primary and Secondary Walking and Cycling Route Network.	S2	S3	6
2	Footpaths and Cycle Tracks that are on Link Walking and Cycling Routes on the Link and Local Access Walking and Cycling Route Network.	S2	S3	6
3	Footpaths and Cycle Tracks that are on [Local Access Walking and Cycling Routes on the Link and Local Access Walking and Cycling Route Network.]	S4	S5	6

6. In the event of conflict, inconsistency or ambiguity between paragraphs 4 and 5 then the provisions of paragraph 4 shall apply.

7. CCTV

7.1 Notwithstanding the provisions of this Appendix B of schedule 2 (*Output Specification*) where the Service Provider is replacing Lighting Points in those areas of the Project Network that are covered by CCTV (“**CCTV Areas**”, as defined in schedule 33), the Service Provider shall ensure that:

7.1.1 all such Lighting Points are of Lighting Class CE1;

- 7.1.2 all Luminaires shall have a luminous intensity class of G4 or greater;
- 7.1.3 light sources shall have a colour rendering index equal to or in excess of R_a60 ; and
- 7.1.4 light output shall be reduced by one lighting class between the hours of 12.00am and 4.00am.

8. Conservation Areas

8.1 Where and to the extent the Service Provider is replacing Lighting Points in areas as set out in the Authority's Data Room document 0351 in schedule 33 (*Plans*) ("**Conservation Areas**"), then where such Conservation Areas do not fall within those areas of the Project Network set out in paragraphs 2 to 7 (inclusive) of this Appendix B of the part 1 of Schedule 2 (*Output Specification*) then:

- 8.1.1 all Luminaires shall have a luminous intensity class of G4 or greater except where such Luminaires are affixed to Non-Standard (heritage) street lighting;
- 8.1.2 light sources shall have a colour rendering index equal to or in excess of R_a20 ;
- 8.1.3 where such Conservation Areas do fall within those areas of the Project Network set out in paragraphs 2 to 7 (inclusive) of this Appendix B of part 1 of Schedule 2 (*Output Specification*) then the Service Provider shall agree what standards such Lighting Points should meet with the Authority; and
- 8.1.4 light output shall be reduced by one lighting class between the hours of 12.00am and 4.00am.

9. Trees

9.1 Where and to the extent the Service Provider is replacing Lighting Points that are affected by the presence of trees the Service Provider shall, when designing such replacement Lighting Point:

- 9.1.1 minimise the need for unnecessary pruning and damage to any trees throughout the expected life of the replacement Lighting Point;
- 9.1.2 take into account the inevitable growth in height and spread of any relevant trees; and
- 9.1.3 consult an arboriculturist (where appropriate) in relation to the above issues.

10. Other Lighting Standards

10.1 In relation to all Lighting Points that are in the ME Lighting Class, Disability Glare and Threshold Increment (TI) (both as defined in BS EN 13201: 2003) shall not exceed 15%.

10.2 Where Full Spectrum Light Sources are used in the replacement of an existing Lighting Point in accordance with this Contract and such replacement Lighting Point must be from Lighting Class

S in accordance with either Table 2 or 4 (as applicable), then the Service Provider may, if it chooses to use a Full Spectrum Light Source, be permitted to use a Lighting Point of Lighting Class S that is one (1) level below that Lighting Class S specified in the applicable Table.

For example, if a Lighting Point on a Link Route on the Link Road Network is replaced with a Full Spectrum Light Source, then the appropriate Lighting Class will be Lighting Class S3 rather than Lighting Class S2. For the avoidance of doubt, both situations are demonstrated in Table 2 and Table 4 of this Appendix B to part 1 of schedule 2 (*Output Specification*).

- 10.3 When dimmed, Full Spectrum Light Sources shall be deemed to have a colour rendering index (R_a) of ≥ 60 .

11. Design Requirements of Lighting Columns

- 11.1 All Lighting Columns installed by the Service Provider shall, in addition to any lighting equipment to be attached, be designed in order to carry signs of such size as set out in Table 5 below.

Table 5: Design Requirements of Columns and Posts in relation to Signs (additional or otherwise) to be attached

Column/Post Height (m)	Sign Size	Sign Position in accordance with BD26199
Up to and including 6m	0.5m ²	Symmetrical or Offset
Over 6m and up to and including 9m	1.0m ²	Symmetrical or Offset
Over 9m	2.0m ²	Symmetrical or Offset

- 11.2 Without prejudice to paragraph 11.1 above all Lighting Columns installed by the Service Provider shall comply with BS EN 40.

12. Colour of Columns for Lighting and Illuminated Traffic Signs

- 12.1 As part of the consultation process prior to the introduction of new Lighting Columns, the Service Provider shall determine the colour of Lighting Columns in consultation with the relevant Constituency Committee. All Lighting Columns shall be the following approved colours:

12.1.1 grey (to BS 18B25);

12.1.2 black

- 12.1.3 light green (to BS 12C39);
 - 12.1.4 dark green (to BS381C Ref 227);
 - 12.1.5 dark blue (to BS 20C40); and
 - 12.1.6 red (to BS 04D45).
- 12.2 All columns for Illuminated Traffic Signs shall be black.

APPENDIX C TO PART 1 OF SCHEDULE 2 (*OUTPUT SPECIFICATION*)

Design Variation Procedure

1. The standards set out in Appendix B of this part 1 of schedule 2 (*Output Specification*) (“**Specific Lighting Design Standards**”) shall not apply in the following circumstances:
 - 1.1 where, after consultation with a Constituency Committee, the Authority (acting reasonably) agrees with the Service Provider a different Specific Lighting Design Standard is appropriate in respect of any Powered Apparatus on the Project Network;
 - 1.2 where the close proximity of overhead obstacles such as power lines adversely affects the position and / or mounting height of the applicable Lighting Column;
 - 1.3 where the lack of Footways or Verges restricts the positioning of Lighting Points and Lighting Columns;
 - 1.4 where Conflict Areas are located less than 50 metres apart;
 - 1.5 where the width of the area to be lit requires luminaire mounting heights in excess of the applicable maximum height of a Lighting Column;
 - 1.6 where specific planning restrictions apply;
 - 1.7 where any Lighting Column in existence at the Pre-Commencement Survey Date is placed more than 100 metres on the same Project Road from any other Lighting Column in existence at the Pre-Commencement Survey Date;
 - 1.8 where the Service Provider is only able to use lighting mounted on an electricity pole to provide the necessary lighting;
 - 1.9 where, the position of trees on a Road Section Length affects the level of lighting achievable on such Road Section Length;
 - 1.10 where Powered Apparatus can only be replaced in existing locations and as a result the Service Provider cannot meet the Specific Lighting Design Standards; and
 - 1.11 where Lighting Columns cannot be sited at the rear of a Verge or Footway as it is physically impossible to so;
 - 1.12 where the Service Provider or the Authority requests that in relation to lighting classes shown in of Appendix B of this part 1, the requirements of these tables may be varied during the hours of operation, either by:
 - 1.12.1a timetable agreed with the Authority, or
 - 1.12.1.2a dynamic system linked to traffic or pedestrian volume;
 - 1.13 in relation to the lighting activation levels shown in Table 1a and Table 2 of part 2 of this schedule 2 (*Output Specification*), the requirements of these tables may be varied.

In such circumstances as set out in paragraphs 1.1 to 1.13 the Service Provider shall be entitled to apply

for a Design Variation Approval Request.

2. Where the Service Provider applies for permission to vary the design in accordance with this procedure (a “**Design Variation Approval Request**”), the Service Provider shall supply the Authority with the following supporting information:
 - 2.1 a full description of the circumstances in paragraph 1 above which apply and the requirements of part 1 of this schedule 2 (*Output Specification*) that cannot be met;
 - 2.2 the extent of the area of the Project Network where such requirements cannot be met;
 - 2.3 the number of Lighting Points and Lighting Columns affected;
 - 2.4 why such requirements cannot be met; and
 - 2.5 the preferred design solution of the Service Provider which shall be a solution which represents the minimum departure from the requirements of this Contract together with at least one (1) alternative design solution and a statement as to why the preferred solution should be accepted by the Authority (including any proposed new Performance Targets and, if appropriate, any new certification procedure).
3. The Authority, acting reasonably, shall, within twenty (20) Business Days either:
 - 3.1 reject the Design Variation Approval Request; or
 - 3.2 specify its preferred solution selected from those set out in the Design Variation Approval Notice.
4. Where paragraph 3.1 applies, the Service Provider shall submit a further Design Variation Approval Request with further alternative design solutions. The Authority, acting reasonably, shall, within twenty (20) Business Days or receipt, either:
 - 4.1 reject the further Design Variation Approval Request; or
 - 4.2 specify its preferred solution selected from those set out in the further Design Variation Approval Request.
5. Where paragraphs 3.2 or 4.2 applies the Authority shall issue a notice confirming agreement to a variation of the design (the “Design Variation Approval Notice”) within ten (10) Business Days of receipt of the Design Variation Approval Request and a copy of Design Variation Approval Notice shall be sent to the Independent Certifier.
6. In the event that paragraph 4.1 applies and the parties cannot agree a solution, the matter shall be referred to Dispute Resolution.
7. Where the Authority issues a Design Variation Approval Notice, the provisions of schedule 18 (*Change Protocol*) shall apply:
 - 7.1 as if the Design Variation Approval Request was a Service Provider Notice of Change;
 - 7.2 as if the Design Variation Approval Request was accepted in accordance with schedule 18 (*Change Protocol*); and

7.3 the variation in design shall be deemed to be a Change, and, for the avoidance of doubt, the Authority shall not be responsible for any costs incurred as a result of the redesign.

APPENDIX D TO PART 1 OF SCHEDULE 2 (*OUTPUT SPECIFICATION*)

Installation Requirements for Apparatus

1. All Apparatus shall be installed by the Service Provider in accordance with the following requirements (where applicable):
 - 1.1 Highways Standards;
 - 1.2 Relevant Lighting Standards;
 - 1.3 all new and replacement Apparatus shall be sited so as to minimise, insofar as is reasonable and practicable, nuisance, danger and obstruction to all residents, businesses and users of the Project Network;
 - 1.4 all Lighting Columns shall be of a colour as specified in paragraph 12 of Appendix B of this part 1 of schedule 2 (*Output Specification*), have a uniform appearance and be appropriate to and in keeping with the relevant location;
 - 1.5 the Service Provider shall obtain the Authority's prior written approval (not to be unreasonably withheld or delayed) in respect of the aesthetics and appearance of all Apparatus to be replaced or installed in any Conservation Area (as designated by the Authority), Prestige Walking Zone or in, on, or about any listed building, civic building, monument, place of worship or other place or location requiring special lighting treatment. For the avoidance of doubt, where such special lighting treatments are required, they shall be treated as Enhanced Standards and the provisions of schedule 19 (*Accruals*) shall apply;
 - 1.6 all Apparatus, where painted or otherwise coated in a protective system, shall be painted or otherwise coated in the colours agreed with the Authority in the relevant Annual Programme;
 - 1.7 all Apparatus shall be erected True and Plumb;
 - 1.8 the Service Provider shall attach an identification badge to all Lighting Columns, Illuminated Traffic Signs and Illuminated Bollards which shall clearly display
 - 1.8.1 the unique reference number for that item of Powered Apparatus;
 - 1.8.2 the logo jointly developed by the Authority and Service Provider for the Project; and
 - 1.8.3 the telephone number for the Help Desk;
 - 1.9 all Lighting Columns shall be sited at the rear of a Verge or Footway unless it is physically impossible to do so and a Design Variation Approval Notice has been issued in respect of the same;
 - 1.10 the Service Provider shall reconnect any Existing Apparatus that has its supply looped from Powered Apparatus that is being replaced; and
 - 1.11 where any Private Cable Installations need to be altered the cables shall be replaced rather than jointed and extended. Where this does not provide best value, joints shall be kept to a minimum

and should only be used where existing cables are proven to be in good condition visually and compliant with the IEE Wiring Regulations BS7671. Each joint position shall be identified on site and a record of the type, route, depth and location of cables and joints shall be recorded on the Management Information System in accordance with the provisions of this schedule 2 (*Output Specification*)

APPENDIX E TO PART 1 OF SCHEDULE 2 (*OUTPUT SPECIFICATION*)

UTC / UTMC Development Plan

1. The Service Provider shall ensure that at the end of Milestone 6 the works associated with upgrading the UTC to UTMC standards are complete and the UTMC is fully operational.
2. Notwithstanding those requirements, the Service Provider shall ensure that a draft project plan is submitted to the Authority for comment within three (3) months of the Service Commencement Date. This project plan will be developed by the Service Provider, taking into account the Authority's comments.
3. The project plan pursuant to paragraph 2 above shall address the following areas of UTMC Development:
 - 3.1 Procuring, installing and testing hardware and software to:
 - 3.1.1 enable Intranet access; and
 - 3.1.2 define the necessary component objects within the system, including:
 - 3.1.2.1 traffic signals;
 - 3.1.2.2 car parks;
 - 3.1.2.3 faults;
 - 3.1.2.4 areas of public transport priority; and
 - 3.1.2.5 park and ride locations.
 - For the avoidance of doubt, such component objects are to be data objects within the UTMC system itself.
 - 3.2 An outline of works for installing hardware and support systems for the UTMC, including those relating:
 - 3.2.1 Cabling and fibre optics;
 - 3.2.2 Power supplies;

- 3.2.3 Radio, GPRS and GSM equipment and systems;
 - 3.2.4 Communication systems, including those with signals, car park management systems;
 - 3.2.5 CCTV installations; and
 - 3.2.6 A fault management system.
- 3.3 In relation to car park management, how the Service Provider will install, test and commission equipment in car parks.
- 3.4 The process that will be used for communication with the necessary parties within the Authority, as well as other key stakeholders, during the development of the UTMC;
- 3.5 A delivery plan for training on the new systems for:
- 3.5.1 Staff employed by the Service Provider, linked to the Service Provider's response to Method Statement 15 (*Employment, Training and Pensions*);
 - 3.5.2 Those within the Authority and other stakeholders who interface with UTMC, appropriate to their interface needs.

APPENDIX F TO PART 1 OF SCHEDULE 2 (*OUTPUT SPECIFICATION*)

Design Specification for Street Name Plates

The standard detail drawing is contained in the Authority's Data Room Document 0646 contained in schedule 35 (*Technical Information*).

APPENDIX G TO PART 1 OF SCHEDULE 2 (*OUTPUT SPECIFICATION*)

Programme of Surfacing Works for Year 1

[DN: To be updated to reflect the updated position regarding Service Provider Programmes].

Development of the Programme for Year 1

1. The Authority's programme for surfacing of Carriageways, Footways, Verges and Kerbs in PFI Districts 1 to 11 (inclusive) is as set out in Table 1 of this Appendix G of Part 1 of this schedule 2 (*Output Specification*) (the "**Programme of Surfacing Works for Year 1**").
2. The Service Provider shall set out as part of its Annual Programmes for the period of time covered by Milestones 1 and 2:
 - i. The "**Programme of Surfacing Works for Year 1 Requirements**". This shall comprise:
 1. Carriageway, Footway, Verge and Kerb schemes from the Programme of Surfacing Works for Year 1 that the Service Provider will carry out in PFI Districts 1 to 11; and
 2. the area in square metres of each such scheme;and
 - ii. Details of Alternate Schemes in PFI Districts 1 to 11 that the Service Provider considers necessary to:
 1. enable it to achieve Milestone Completion in respect of the Programme of Surfacing Works for Year 1, should it be prevented from carrying out the works the Authority has suggested as a result of the occurrence of an Excusing Cause or Relief Event; or
 2. enable it to achieve Milestone Completion in respect of condition indices at Milestone 3 onwards.
3. This shall contain as a minimum the information set out in the Programme of Surfacing Works for Year 1 in this Appendix G to part 1 of this schedule 2 (*Output Specification*).

4. Amendments proposed by the Service Provider to the Programme of Surfacing Works for Year 1 shall be limited to:
 - i. changes to the time at which the relevant scheme or works are conducted; or
 - ii. Alternate Schemes delivering an equivalent or greater surface area of works to the same type of Project Network Part (i.e. Carriageways, Footways, Verges and Kerbs in PFI Districts 1 to 11), as calculated in paragraph 8 of this Appendix G of schedule 2 (*Output Specification*), as set out in paragraph 2.ii above.
5. For the avoidance of doubt, the Programme of Surfacing Works for Year 1 Requirements shall be agreed by the Authority in the process of approving the relevant Service Provider Annual Programmes.
6. The process for assessing Milestone Completion in respect of the Programme of Surfacing Works for Year 1 is set out in Appendix 5 to schedule 15 (*Milestone Completion Criteria*).
7. Following certification by the Independent Certifier at Milestone 2, the Service Provider shall provide details of the actual Condition Index for each network to the Authority.
8. The Condition Gap is the difference between:
 - The required Condition Index at Milestone 10; and
 - The actual Condition Index at Milestone 2.
9. The Milestone District targets for each of Milestones 3 to 9, for PFI Districts 1 to 11 and for each network hierarchy shall be calculated by applying the percentages set out in Tables 1.3 to 1.9 of part 1 of this schedule 2 (*Output Specification*) for each Condition Index.

Table 1: Programme of Surfacing Works for Year 1

This is contained within the Authority's Data Room Document 0627a, contained in schedule 35 (*Technical Information*).

PART 2

Performance Standard 2 - Network Performance

1. REQUIRED OUTCOMES

- 1.1 The Service Provider shall comply with the provisions of this Performance Standard 2 and ensure that:
- 1.1.1 the Project Network is not Unavailable;
 - 1.1.2 Programmed Maintenance, Routine Maintenance and Reactive Maintenance on the Project Network are carried out to ensure that the Project Network is safe and convenient for users;
 - 1.1.3 the drainage system on the Project Network allows for the quick and efficient removal of surface water to ensure the structural integrity of each RSL and the safety of users of the Project Network;
 - 1.1.4 all Road Markings are complete; and
 - 1.1.5 no Road Section Lengths or any part thereof (unless otherwise set out in this Contract) shall be subject to Weight Restrictions, Width Restrictions or Height Restrictions as a result of either the provision or non-provision of the Services by the Service Provider in accordance with this Contract.
- 1.2 The Service Provider shall ensure that all Structures and Bridges are maintained so that the HB loading capability of such Structures and Bridges does not fall below those HB loading capabilities as set out in schedule 35 (*Technical Information*) to this Contract.
- 1.3 The Service Provider shall repair all damage to the Project Network (howsoever caused).

2. SERVICE DELIVERY OUTPUTS

2.1 Legislation, Good Industry Practice and Highways Standards

The Service Provider shall maintain and operate the Project Network throughout the Contract Term in order to comply with Legislation, Good Industry Practice and Highway Standards.

2.2 Unavailability

- 2.2.1 The Service Provider shall ensure that all Road Section Lengths and Footway Section Lengths shall not be Unavailable.
- 2.2.2 The Service Provider shall notify the Authority of the presence of an apparently abandoned vehicle and / or broken down vehicle and / or damaged vehicle on the Project Network or any part thereof as soon as reasonably practicable and in any event within two (2) hours of the time at which the Service Provider becomes aware or should have become aware of the presence of such apparently abandoned vehicle.
- 2.2.3 During the hours of operation of the Street Cleansing Department (06.30am to 5.00pm Monday to Saturday, inclusive and 07.30am to 02.00pm each Sunday) the Service Provider shall:
- 2.2.3.1 make safe any area of the Project Network that is affected by the presence of a Large Item and / or a Large Spillage:
 - (a) within one (1) hour of the time at which the Service Provider becomes aware of should have become aware of the presence of such Large Item and / or Large Spillage for 95% of occurrences each Month; and
 - (b) within two (2) hours of the time at which the Service Provider becomes aware of should have become aware of the presence of such Large Item and / or Large Spillage for 100% of occurrences each Month.
 - 2.2.3.2 notify the Street Cleansing Department of the presence of such Large Item and / or Large Spillage as soon as reasonably practicable and in any event within thirty (30) minutes of the time at which the affected area of the Project Network is made safe by the Service Provide in accordance with paragraph 2.2.3.1.

- 2.2.4 Outside the hours of operation of the Street Cleansing Department (as set out in paragraph 2.2.3) the Service Provider shall remove a Large Item and / or a Large Spillage from any affected area of the Project Network:
- 2.2.4.1 within ninety (90) minutes of the time at which the Service Provider becomes aware or should have become aware of the presence of such Large Item and / or Large Spillage for 95% of occurrences each Month; and
 - 2.2.4.2 within three (3) hours of the time at which the Service Provider becomes aware or should have become aware of the presence of such Large Item and / or Large Spillage for 100% of occurrences each Month.
- 2.2.5 The Service Provider shall remove a Small Item and / or a Small Spillage that is causing an area of the Project Network to be Unavailable:
- 2.2.5.1 within one (1) hour of the time at which the Service Provider becomes aware of should have become aware of the presence of such Small Item and / or Small Spillage for 95% of occurrences each Month; and
 - 2.2.5.2 within two (2) hours of the time at which the Service Provider becomes aware of should have become aware of the presence of such Small Item and / or Small Spillage for 100% of occurrences each Month.
- 2.2.6 The Service Provider shall notify the Authority of the presence of a Specified Licence Item that is unlawfully placed on the Project Network or any part thereof as soon as reasonably practicable and in any event within two (2) hours of the time at which the Service Provider becomes aware or should have become aware of the presence of such unlawfully placed Specified Licence Item.
- 2.2.7 The Service Provider shall notify the Authority and any other relevant Third Party of any unlawful blockages, closures, partial closures and / or restrictions of passage of the Project Network or any part thereof of the presence of such unlawful blockages, closures, partial closures and / or restrictions of passage as soon as reasonably practicable and in any event within two (2) hours of the time at which the Service Provider becomes aware or should have become aware of the presence of such unlawful blockages, closures, partial closures and / or restrictions of passage.

2.3 Materials

2.3.1 The Service Provider shall not:

- 2.3.1.1 use concrete in any resurfacing works undertaken to the Project Roads unless the Service Provider is carrying out repairs to an existing section of concrete Carriageway; or
- 2.3.1.2 use Thin Surface Treatments on RSLs, Footway Section Lengths, Verge Section Lengths or Cycle Track Section Lengths without prior consent from the Authority (acting reasonably).

2.3.2 The Service Provider shall ensure that:

- 2.3.2.1 no Lighting Column is replaced with a Lighting Column that is made of concrete;
- 2.3.2.2 no Lighting Column is replaced with a Lighting Column that is made of cast iron, unless agreed with the Authority;
- 2.3.2.3 where a Street Name Plate made from cast iron is replaced, it is replaced according to the specification set out in Appendix F of part 1A of this schedule 2 (*Output Specification*); and
- 2.3.2.4 where a Grating is replaced, it is not replaced with a Grating that is not hinged.

2.3.3 The Service Provider shall ensure that any materials used in the performance of the Services are of a similar quality and type to those materials of which the relevant Project Network Part is or was constructed prior to the performance of the Services, provided that:

- 2.3.3.1 where such construction material was different to the material predominantly used at the site in the construction of the relevant Project Network Part then the Service Provider shall use such predominant material in the performance of the relevant Services; or
- 2.3.3.2 where an Approved Treatment applies then the Service Provider shall use such Approved Treatment in the performance of the relevant Services; or

- 2.3.3.3 the use of LED Arrays shall be deemed to be of similar quality or type to those materials that the relevant Project Network Part is or was constructed prior to performance of the Services.
- 2.3.4 Subject to paragraphs 2.3.1 to 2.3.3 (inclusive), where the performance of the Services requires the Service Provider to carry out works to any Project Network Part the Service Provider shall use those materials detailed in paragraph 2.3.3 in the carrying out of such works unless:
- 2.3.4.1 the Service Provider is unable to determine the predominant material at the site of any such Project Network Part in accordance with paragraph 2.3.3, in which case the Service Provider shall agree such material to be used in carrying out such works with the Authority;
- 2.3.4.2 otherwise agreed by the Authority under schedule 18 (*Change Protocol*); or
- 2.3.4.3 such use is for the purpose of a temporary repair in accordance with this schedule 2 (*Output Specification*).
- 2.3.5 The Service Provider shall ensure that where Project Network Parts are reused, refurbished or rebuilt:
- 2.3.5.1 such use is with the prior agreement of the Authority (excluding Carriageway, Footway, Verge or Cycle Track construction materials and LED Arrays for Street Lighting, which the Service Provider may reuse);
- 2.3.5.2 unless otherwise agreed by the Authority under paragraph 2.3.5.1 above, such use does not form part of Core Investment Works or life cycle replacement of Project Network Parts; and
- 2.3.5.3 such parts:
- (a) meet the relevant performance requirements of this schedule 2 (*Output Specification*);
 - (b) are in keeping with the appearance, design and decorative condition of other Project Network Parts with which they will be co-located; and
 - (c) are from the Project Network.

2.4 Authority Agreement, Approval or Consent

- 2.4.1 Where the agreement, approval or consent of the Authority is required in accordance with this part 2 of schedule 2 (*Output Specification*) such agreement, approval or consent shall be deemed to have been given where any such activities are set out in the relevant agreed Annual Programme.
- 2.4.2 In relation to all such other activities that require the agreement, approval or consent of the Authority that are not set out in the relevant agreed Annual Programme, the Authority shall respond to any written requests for agreement, approval or consent by the Service Provider as soon as reasonably practicable and, in any event, within five (5) Business Days of receipt of such request.
- 2.4.3 Where the Authority refuses or fails to respond to such written request in accordance with paragraph 2.4.2 the Service Provider shall be entitled to proceed in the provision of the Services provided that such provision is in accordance with the requirements of this Contract.

2.5 Waste Disposal

The Service Provider shall be responsible for the collection and disposal of all categories of waste arising as a consequence of the provisions of the Services each day (save in relation to those Work Sites in which case the Service Provider shall ensure that all waste categories remaining on such Work Site are stock piled and safely secured in a tidy manner) and ensure that the Project Network is left in a clean and tidy condition and for the avoidance of doubt the Service Provider shall be responsible for all associated costs including taxes and levies.

2.6 District Street Lighting

- 2.6.1 The Service Provider shall ensure that a minimum of ninety eight percent (98%) of all Lighting Points in each PFI District are kept In Light in accordance with the Lighting Activation Levels set out in Table 2.1a below, or, where a Design Variation Approval Notice has been issued, the Lighting Activation Levels set out in such Notice:

Table 2.1a

Type of Lighting Point	Lighting Activation Levels
On street Lighting Points	On at 70 lux and off at 35 lux
Subway and under Bridge Lighting Points	Continuous
Tunnel or Underpass Lighting Points	Continuous, in accordance with BS5489 part 2

2.6.2 The Moratorium period for the Performance Standard set out in paragraph 2.6.1 above shall be varied according to the Authority's performance in respect of the percentage of all Lighting Points in each PFI District that are kept In Light in accordance with:

2.6.2.1 the Lighting Activation Levels set out in Table 2.1a above, or

2.6.2.2 (where a Design Variation Approval Notice has been issued) the Lighting Activation Levels set out in such Notice,

in the six months prior to the Service Commencement Date, as set out in Table 2.1b below:

Table 2.1b

Authority performance as set out in paragraph 2.6.2	Moratorium Period
<96%	20 weeks
>=96% and <97%	14 weeks
>=97% and <98%	8 weeks
>=98%	N/A

2.7 Project Network Performance Standards

The Service Provider shall not incur Performance Standard 2 Adjustments where the Service Provider complies fully with the following Service Delivery Outputs and their associated Performance Targets:

2.7.1 Security

2.7.1.1 The Service Provider shall ensure that any Project Network Part that has a door or an access panel is kept in a secure condition, and shall secure a door or access panel that is not secured:

(a) Within one (1) hour for 95% of occurrences each Month; and

(b) Within two (2) hours for 100% of occurrences each Month.

and

(c) such door or access panel is operational at all times.

2.7.2 Category 1 Defects

2.7.2.1 Subject to paragraph 2.7.2.3 the Service Provider shall ensure that there are no Category 1 Defects on the Project Network and, for the avoidance of doubt, where a Category 1 Defect on the Project Network is caused by a Street Works Promoter and the relevant Project Network Part is part of the site of the Street Works Promoter then the Service Provider is not obliged to remedy any such Category 1 Defects provided that public access to such site is prohibited.

2.7.2.2 On the occurrence of a Category 1 Defect the Service Provider shall:

(a) attend at the site of the Category 1 Defect and make safe within one (1) hour of the time at which the Service Provider becomes aware or should have become aware of the Category 1 Defect, or, where the site of a Category 1 Defect has not been released by the Relevant Authority and as a result the Service Provider is unable to gain access to such site within such time period, the Service Provider shall attend