

ITS1827D Traffic Signal Controller General Specification Forms

Notes on Form use

Easy Print Option

NO NEED TO DELETE UNUSED FORMS! Use this button to print out only the forms that have been used in this specification. This facility will print all the forms which have the "**Sheet filled**" check box ticked at the top left-hand corner of each form >

Note: Unused forms can be hidden by right-clicking on the worksheet tab at the bottom of the screen. Selecting 'hide' will remove it from view, but allow it to be re-instated in future if changes are required. [NB: This form is not printed with this facility]

Administration

Form I - Filling the "**Site Reference**" and "**Specification Issue**" fields at the bottom of this form will automatically populate and update these fields in the rest of the forms. Increment the Specification Issue field each time the forms are amended, I.E. First draft = 1, next update = 2 etc.

The following facility has been provided to enable full traceability to the history of a specification as it develops over the years. The "**Form Issue**" field at the bottom of each individual form should be incremented each time an amendment is made to that individual form only, I.E. First draft = 1, next update, no change made to that form, so still = 1, next update change made to that form, so now incremented = 2 etc. The person responsible for originating or amending an individual form should enter their initials in the "**Originators Initials**" field. The "**Date**" field should be entered on the first draft, then only subsequently changed when that form is amended.

The "**Sheet filled**" check box should be ticked on all used forms to allow the **Easy Print** option (above) to work, and to display a blue box on the Index sheets to allow these forms to be audited by the checker.

Form II - When a specification is audited, the checker should enter their initials in the "**Auditor Initials**" field for each form that has been originated or amended in that issue of the specification. The date that the audit was carried out should be entered into the "**Date Audited**" field.

Additional Information

Guidance tips are contained within some of the data entry fields in the forms. These are identified with a small red triangle in the top right-hand corner of the individual fields, and are viewable by hovering the cursor over the triangle. The pop-up text box will disappear by moving the cursor away from the triangle.

Form Navigation

The individual "**Form Title**" fields on the Index sheets in Form II are hyperlinked, allowing direct access to the relevant forms by clicking on the title. In addition, each form also contains a hyperlink to it's place in the Index sheets. This is identified as an "**I**" in the lower right-hand corner of the individual forms. The forms can also be navigated by using the coloured tabs at the bottom of the spreadsheet window. Because of the number of forms used, it is not possible to see all the tabs in one go. Therefore use the navigation arrows to the left of the tabs, to move along the tabs in either direction.



GENERAL SPECIFICATION FORM

Customer:

SCP

Area Specifications & Customer Drawings:

C/2163/100

Intersection / General Description:

A541 Mold Road near Stansty Chain Road, Wrexham

Controller - New/Modification (select one):

New

Serial number:

Specification Section:

Quotation number (Customer):

Quotation number (Company):

Company Order Number:

Intersection Number:

Issue:

1

Equipment Installation by:

TBC

Slot Cutting by:

TBC

Civils Works by:

TBC

Communication Provider, Type and Number or IP address:

Customers Engineer:

Justin Stiller

Telephone number:

E-mail:

Incoming Electrical Supply:

230 V

50 Hz

Operating Voltage (select one):

Extra Low Voltage-ELV

Lamp Dimming (select one):

Dimming

Dimming voltage

None

Average Power Watts (Dim)

Average Power Watts (Bright)

Average Power kVA (Bright)

Peak Power Watts

Site reference

Specification Issue No.

Form Issue

1

Originators Initials

JPS

Date

06 August 2026

i

INDEX

Form Title	Form No.	Form Issue Number	Originator Initials	Date Originated dd/mm/yy	Sheet filled	Auditor Initials	Date Audited dd/mm/yy
TR2500 General Specification	I	1	JPS	06/08/26			
Index (This page)	II	1	JPS	06/08/26			
Index (Continued)	IIa	1	JPS	06/08/26			
Index (Continued)	IIb	1	JPS	06/08/26			
Configuration Notes	III	1	JPS	06/08/26			
Site Layout	IV	1	JPS	06/08/26			
Basic Site Data	V	1	JPS	06/08/26			
Basic Site Data (Continued)	Va	1	JPS	06/08/26			
Basic Site Data (Continued)	Vb						
Basic Site Data (Continued)	Vc						
Intersection Phase Data	VI	1	JPS	06/08/26			
Conflicting Phases	VII	1	JPS	06/08/26			
Phase Inter-green timings	VIII	1	JPS	06/08/26			
Phase Inter-green limit values	IX	1	JPS	06/08/26			
Lamp Monitoring & Extend Inter-green facility	X	1	JPS	06/08/26			
Additional phase delays	XI						
Use of stages	XII	1	JPS	06/08/26			
Prohibited/Alternative Stage	XIII	1	JPS	06/08/26			
Prohibited/AlternativeStage (Continued)	XIIIa						
Prohibited/AlternativeStage (Continued)	XIIIb						
Prohibited/AlternativeStage (Continued)	XIIIc						
Prohibited/AlternativeStage (Continued)	XIIId						
Prohibited/AlternativeStage (Continued)	XIIIe						
Prohibited/AlternativeStage (Continued)	XIIIf						
Prohibited/AlternativeStage (Continued)	XIIIg						
Prohibited/AlternativeStage (Continued)	XIIIh						
Master Time Clock	XIV	1	JPS	06/08/26			
Master Time Clock (Continued)	XIVa						
Master Time Clock (Continued)	XIVb						
Master Time Clock (Continued)	XIVc						

Site reference

Specification Issue No.

Form Issue

1

Originators Initials

JPS

Date

06 August 2026

INDEX

Form Title	Form No.	Form Issue Number	Originator Initials	Date Originated dd/mm/yy	Sheet filled	Auditor Initials	Date Audited dd/mm/yy
Master Time Clock (Continued)	XIVd						
Master Time Clock (Continued)	XIVe						
Master Time Clock (Continued)	XIVf						
Master Time Clock (Continued)	XIVg						
Mode Priority	XV	1	JPS	06/08/26			
Fixed Time Mode	XVI	1	JPS	06/08/26			
Phase Green Timings	XVII	1	JPS	06/08/26			
Detectors and Push-buttons	XVIII	1	JPS	06/08/26			
Detectors and Push-buttons (Continued)	XVIIIa	1	JPS	06/08/26			
Detectors and Push-buttons (Continued)	XVIIIb	1	JPS	06/08/26			
Detectors and Push-buttons (Continued)	XVIIIc						
Detectors and Push-buttons (Continued)	XVIId						
Detectors and Push-buttons (Continued)	XVIIIe						
Detectors and Push-buttons (Continued)	XVIIIf						
Detectors and Push-buttons (Continued)	XVIIIg						
Detectors and Push-buttons (Continued)	XVIIIh						
All-Red Extension	XIX	1	JPS	06/08/26			
Speed Discrimination / Assessment	XX						
Cableless Linking Facility	XXI						
Cableless Linking Facility (Continued)	XXIa						
Cableless Linking Facility (Continued)	XXIb						
Cableless Linking Facility (Continued)	XXIc						
Cableless Linking Facility (Continued)	XXId						
Cableless Linking Facility (Continued)	XXIe						
Cableless Linking Facility (Continued)	XXIf						
Cableless Linking Facility (Continued)	XXIg						
Hurry Call(s)	XXII						
Urban Traffic Control	XXIII	1	JPS	06/08/26			
Urban Traffic Control (Continuation)	XXIIIa						
UTC Reply Bit Functionality	XXIV						

Site reference

Specification Issue No.

Form Issue

1

Originators Initials

JPS

Date

06 August 2026

INDEX

Form Title	Form No.	Form Issue Number	Originator Initials	Date Originated dd/mm/yy	Sheet filled	Auditor Initials	Date Audited dd/mm/yy
Manual Panel	XXV	1	JPS	06/08/26			
Priority / Emergency Mode Basic	XXVI						
Priority / Emergency Mode Time	XXVIa						
Priority / Emergency Mode Time	XXVIb						
Priority / Emergency Mode Time	XXVIc						
Priority / Emergency Mode Time	XXVId						
Pedestrian Link & Facilities	XXVII	1	JPS	06/08/26			
Mid-block Pedestrian Crossing	XXVIII						
Mid-block Pedestrian Crossing (Continuation)	XXVIIIa						
Mid-block Pedestrian Crossing (Continuation)	XXVIIIb						
Mid-block Pedestrian Crossing (Continuation)	XXVIIIc						
Miscellaneous Inputs and Outputs	XXIX						
Special Conditions	XXX	1	JPS	06/08/26			
Special Conditions (Continued)	XXXa	1	JPS	06/08/26			
Special Conditions (Continued)	XXXb						
Special Conditions (Continued)	XXXc						
Special Conditions (Continued)	XXXd						
Special Conditions (Continued)	XXXe						
Special Conditions (Continued)	XXXf						
Special Conditions (Continued)	XXXg						
Special Conditions (Continued)	XXXh						
Special Conditions (Continued)	XXXi						
Controller Power Calculation	XXXI						
Traffic Signal Data Summary Sheet	XXXII						
LRT Summary Sheet	XXXIII						

Additional items, such as Contract Appendices or full site layout drawings, may be included in the Index for completeness

 Site reference Specification Issue No. Form Issue Originators Initials Date

CONFIGURATION NOTES

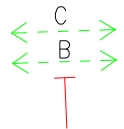
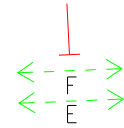
Issue 1.0, first draft

Note: This form may be used to provide any general information useful to others, such as any new facilities in this issue of the specification.

Site reference		Specification Issue No.		Form Issue	1	Originators Initials	JPS	Date	06 August 2026	i
----------------	--	-------------------------	--	------------	---	----------------------	-----	------	----------------	-------------------

Site reference		Specification Issue No.		Form Issue	1	Originators Initials	JPS	Date	06 August 2026
----------------	--	-------------------------	--	------------	---	----------------------	-----	------	----------------

BASIC SITE DATA

Stream	1	Stage	1		Stream	1	Stage	2		Stream	1	Stage	3		Stream		Stage		
										ALL RED									
Stream	1	Stage	4		Stream	1	Stage	5		Stream	1	Stage	6		Stream		Stage		
										ALL RED									

- Notes:**
- 1 - Use additional sheet(s) for more than 8 stages
 - 2 - Add Stream and Stage numbers as appropriate
 - 3 - All Red stages should be shown as required
 - 4 - Reversion stage in absence of demands/extensions

Stream	1	2	3						
All Red Stage	3	6	9						
Start Up Stage	1	4	7						
Reversion Stage	1	7	7						

Site reference

Specification Issue No.

Form Issue

1

Originators Initials

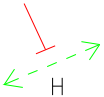
JPS

Date

06 August 2026

i

BASIC SITE DATA (Continuation)

Stream	3	Stage	7		Stream	3	Stage	8		Stream	3	Stage	9		Stream		Stage		
										ALL RED									
Stream		Stage			Stream		Stage			Stream		Stage			Stream		Stage		

Notes: 1 - Use additional sheet(s) for more than 8 stages
2 - Add Stream and Stage numbers as appropriate
3 - All Red stages should be shown as required

Site reference Specification Issue No. Form Issue Originators Initials Date [i](#)

[illegible]

[illegible]

--

#2 Active Phases

Phases specified on Form VI are highlighted yellow

1

[illegible]

Form IX

Form X

USE OF STAGES

[illegible]

Comments

Notes: #1 Maximum Reversion Demand
Demands will be for the same real phase unless otherwise indicated.

1

JPS

06 August 2026

PROHIBITED / ALTERNATIVE STAGE MOVEMENTS

Mode	Tick if no restriction
Urban Traffic Control - UTC	☒
MOVA - MA	☒
Cableless Linking - CLF	☐
Vehicle Actuated - VA	☒
Hurry Call - HC	☐
Manual - MN	☒
Priority - PR	☐
Emergency - EM	☐

#1		To Stage (Insert numbers)							
		1	2	3	4	5	6	7	8
From Stage (Insert numbers)	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
Mode(s):		UTC	MA	CLF	VA	HC	MN	PR	EM
#2		☒	☐	☒	☐	☒	☐	☐	☐

#1		To Stage (Insert numbers)							
From Stage (Insert numbers)									
Mode(s):		MOVA	MA	CLF	VA	HC	MN	PR	EM
#2		☐	☐	☐	☐	☐	☐	☐	☐

#1		To Stage (Insert numbers)							
From Stage (Insert numbers)									
Mode(s):		UTC	MA	CLF	VA	HC	MN	PR	EM
#2		☐	☐	☐	☐	☐	☐	☐	☐

#1		To Stage (Insert numbers)							
From Stage (Insert numbers)									
Mode(s):		UTC	MA	CLF	VA	HC	MN	PR	EM
#2		☐	☐	☐	☐	☐	☐	☐	☐

#1		To Stage (Insert numbers)							
From Stage (Insert numbers)									
Mode(s):		UTC	MA	CLF	VA	HC	MN	PR	EM
#2		☐	☐	☐	☐	☐	☐	☐	☐

Comments:

Notes:

#1 Prohibited / Alternative Stage Movements

Select appropriate mode and enter:

Blank entry - Allowed, P - Prohibited, N - Alternative move via stage "N" (e.g. 3)

#2 Mode(s)

Greyed out modes indicate that the No Restrictions tick box has been entered for a particular mode of operation

Note: This form may be used to provide stage movement information for upto eight stages. Use alternative forms for more than eight stages.

Site reference

Specification Issue No.

Form Issue

Originators Initials

Date



MASTER TIME CLOCK

[illegible]

Day type

1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
6	Saturday
7	Sunday
8	All Week
9	All Week, except Sat & Sun
10	All Week, except Sun

Function

0	Isolate controller
1	Introduce plan
2	Introduce event defined below:
2a	Switch On Input/Output Active / Inactive / Normal
2b	Introduce Standard / Alternative Max Setting
2c	Switch a sign On / Off
2d	Switch a Phase / Stage In / Out of cycle
2e	Switch To / From Part Time mode

Note: This form may be used to provide information for upto 32 entries, use additional Forms for extra requirements.

Site reference: Specification Issue No.: Form Issue: 1 Originators Initials: JPS Date: 06 August 2026 | [Page 1 of 1](#)

MODE PRIORITY

Stream							Method of Control
1	2	3					
							Part Time - PT
							Emergency - EM
							Hurry Call - HC
1	1	1					Selected Manual Control - MAN
							Urban Traffic Control - UTC
3	3	3					MOVA
2	2	2					Selected FXT, VA or CLF
							Cableless Linking - CLF
							Priority - PR
4	4	4					Either - Vehicle Actuated - VA *
							OR - Fixed Time - FXT *

Assign priority number to each Method of Control. 1 = Top Priority, 2 = Second Priority etc. X = Not used.

Unless indicated - Priority will be assigned from top downwards.

* Select either VA or FXT for normal operation, not both.

Facility Switch Availability	
Facility switch position	Facility not operative
Manual - Man	☐
Fixed Time - FXT	☐
Vehicle Actuated - VA	☐

This may be achieved by appropriate arrangement of Method of Control Priority.

Under manual Control, Demand Dependent Filter Green Arrow to appear (select one):

Always 

Comments

Site reference

Specification Issue No.

Form Issue

1

Originators Initials

JPS

Date

06 August 2026

i

#1 Type of Fixed Time operation required (select one):
 Option A - Fixed cycle running to current maximum

[illegible][illegible][illegible]

Comments	
----------	--

#2 Options B & C
Start Up stages in each srteam MUST be specified in the sequence.

Site reference		Specification Issue No.		Form Issue	1	Originators Initials	JPS	Date	06 August 2026
----------------	--	-------------------------	--	------------	---	----------------------	-----	------	----------------

PHASE GREEN TIMINGS

	Phase Maxima								Global Extension	Phase Maxima								Global Extension
	Max A	Max B	Max C	Max D	Max E	Max F	Max G	Max H		Max A	Max B	Max C	Max D	Max E	Max F	Max G	Max H	
A	25	20	25	20														
B																		
C																		
D	25	20	25	20														
E																		
F																		
G	25	20	25	20														
H																		
K																		
L																		
M																		

Comments

Site reference

Specification Issue No.

Form Issue

Originators Initials

Date

i

DETECTORS AND PUSHBUTTONS

#1

Type No.	Detector Type - Inductive loop, In carriageway, Above Ground, Optical, Video, Push-button, Pedestrian kerb-side, on-crossing etc	Manufacturer - model etc	Additional Information - ancillary equipment, ELV, IP address range, number of modules, location, is it in an MEC cabinet? If so cabinet No., comments etc
1	Inductive Loop		
2	AGD650 Cycle Detector		
3	Pedestrian Push Button (PBU)		
4	On-Crossing Detectors		
5	Kerbside Detectors		
6			
7			
8			
9			
10			

Notes:

#1 Type No.

Use this form to specify requirements for detection equipment types. Enter Type No. against each channel of detection on the subsequent detection forms.

#2 DFM Fail / Mode Group

On the subsequent detection forms, specify the required Failure Mode AND the DFM Timing Group for each channel of detection. The failure modes are:

- Fail Active, I - Fail Inactive, Y - Use Input on failure, e.g. A1, I3 etc.

Introduction of DFM Group Sets should be specified on the Master Time Clock Form XIV or in Special Conditions Form XXIX (dependant upon requirement).

DFM Fail Group Number #2	Active (Minutes)				Inactive (Hours)			
	Set A	Set B	Set C	Set D	Set A	Set B	Set C	Set D
1	30				18			
2	30				X			
3	10				X			
4	30				18			
5	120				X			
6								
7								
8								

Note: This form may be used to specify the type of detection technologies to be used, along with additional information as required.

Site reference Specification Issue No. Form Issue 1 Originators Initials JPS Date 06 August 2026

i

DETECTORS AND PUSHBUTTONS (Continuation)

Number	Location / Title	Type No.	MOVA No.	External	Phase Demanded	Phase Extended	Extension Time (Sec)	Non-latching	Uni-directional	Call Delay (Sec)	Cancel Delay (Sec)	DFM Fail Mode / Group (e.g. A1)	Speed Detector	Special Instructions
1	AIN1	1	1	☐				☐	☐			A / 1	☐	
2	AX2	1	2	☐	A	A	4	☐	☐			A / 1	☐	
3	BX3	2	3	☒	B	B	3	☐	☐			A / 2	☐	AGD650
4	BSL4	2	4	☒	B	B	1	☐	☐			A / 2	☐	AGD650
5	BPBU5	3	5	☒	B			☐	☐			Y / 3	☐	
6	BOC1	4		☒			1	☐	☐			A / 4	☐	
7	BOC4	4		☒			1	☐	☐			A / 4	☐	
8	CPBU2	2	6	☒	C			☒	☐			Y / 3	☐	
9	CPBU3	2	6	☒	C			☒	☐			Y / 3	☐	
10	CPBU4	2	6	☒	C			☒	☐			Y / 3	☐	
11	CKS2	5		☒			1	☐	☐			A / 5	☐	
12	CKS4	5		☒			1	☐	☐			A / 5	☐	
13	COC2	4		☒			1	☐	☐			A / 4	☐	
14	COC3	4		☒			1	☐	☐			A / 4	☐	
15	DIN1	1	1	☐				☐	☐			A / 1	☐	
16	DX2	1	2	☐	D	D	4	☐	☐			A / 1	☐	
17	EX3	2	3	☒	E	E	3	☐	☐			A / 2	☐	
18	ESL4	2	4	☒	E	E	1	☐	☐			A / 2	☐	
19	EPBU10	3	5	☒	E			☐	☐			Y / 3	☐	
20	EOC8	4		☒			1	☐	☐			A / 4	☐	
21	EOC10	4		☒			1	☐	☐			A / 4	☐	
22	FPBU6	3	6	☒	F			☒	☐			Y / 3	☐	
23	FPBU7	3	6	☒	F			☒	☐			Y / 3	☐	
24	FPBU11	3	6	☒	F			☒	☐			Y / 3	☐	
25	FKS6	5		☒			1	☐	☐			A / 5	☐	
26	FKS10	5		☒			1	☐	☐			A / 5	☐	
27	FOC7	4		☒			1	☐	☐			A / 4	☐	
28	FOC11	4		☒			1	☐	☐			A / 4	☐	
29	GIN1	1	1	☐				☐	☐			A / 1	☐	
30	GX2	1	2	☐	G	G	3	☐	☐			A / 1	☐	
31	GX3	1	3	☒	G	G	2	☐	☐			A / 1	☐	
32	HPBU12	3	4	☒	H			☒	☐			Y / 3	☐	

Note: This form may be used to provide detection information for up to thirty two inputs. Use additional forms for more channels of detection.

Site reference Specification Issue No. Form Issue 1 Originators Initials JPS Date 06 August 2026

DETECTORS AND PUSHBUTTONS (Continuation)

[illegible]

Note: This form may be used to provide detection information for an additional thirty two inputs.

Site reference: Specification Issue No. Form Issue 1 Originators Initials JPS Date 06 August 2026

ALL RED EXTENSION

Transition for which All Red extension is required:

[illegible]

Stream Number	Extension Time (Sec) *	All Red Maximum Time (Sec)
1	1	7
2	1	7
3		

* Measured from point at which first phase in new stage would normally start its Red - Green transition period.

Operation of All Red extensions by Method of Control	
Method of Control	Operation
Part Time - PT	
Manual - Man	
Cableless Linking - CLF	
Urban Traffic Control - UTC	
Hurry Call - HC	
Priority - PR	
Emergency - EM	
Vehicle Actuated - VA	
Fixed Time - FXT	M

Note:
O - Operative,
M - Extend to
 Max.
 If table is blank, all
 modes will be
 operative

Comments

--

MOVA CONTROL

Control Words																
Bit Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Control Bit	F1	F2	TO1	F4	F5	TO2	F7	F8	TO3							
Demand Dependent	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Bit Number	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Control Bit																
Demand Dependent	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Bit Number	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Control Bit																
Demand Dependent	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Bit Number	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Control Bit																
Demand Dependent	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Reply Words																
Bit Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Reply Bit	G1	G2	CRB1	G4	G5	CRB2	G7	G8	CRB3							
Bit Number	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Reply Bit																
Bit Number	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Reply Bit																
Bit Number	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Reply Bit																
Bit Number	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Reply Bit																
Bit Number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Reply Bit																
Bit Number	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
Reply Bit																
Bit Number	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
Reply Bit																

O.T.U. Manufacturer and Type
MOVA8

Operation Standard (select one):
MCE0105/0106

UTC initiated by (select one):
Force Bits present

Number of bits	
Control	32
Reply	32

RTC Synchronisation Time		
Hour	Minute	Second
12	00	00
CC Synchronisation Reply		
Seconds	5	

O.T.U. Address Information
Enter additional information, such as SCN, Modem number, IP address (as appropriate)

Comments

Site reference	Specification Issue No.	Form Issue 1	Originators Initials JPS	Date 06 August 2026
----------------	-------------------------	--------------	--------------------------	---------------------



MANUAL PANEL

Manual Selection		
Button No.	Stage(s) Called	Name
AR		All Red Stage(s)
1	1	Mold Road North Bound
2	2	Peds / Cycle X Mold Road N/B
4	4	Mold Road South Bound
5	5	Peds / Cycle X Mold Road S/B
7	7	Mold Road North Bound
8	8	Peds / Cycle X Mold Road N/B

Auxillary Visual Indicators	
Output No.	Function
HP	Flashes when in MOVA mode

Manual Mode Enable
Always

Auxillary Switch Inputs	
Input No.	Function

Comments

Site reference

Specification Issue No.

Form Issue

Originators Initials

Date

i

PEDESTRIAN LINK & FACILITIES

Link Number	Link to Pedestrian Crossing Controller at location:	Associated with stage (No.) or Phase (Letter)	Start or End	Link delay	Inhibit release period	Over-ride time												
Phases	(Enter Phase letters of Pedestrian Phases)			B	C	E	F	H										
Vehicle to Pedestrian Inter-green	All Red gap change (Sec)																	
	All Red forced change (Sec)																	
Pedestrian Phase	Kerbside detector extension (Sec)																	
	Vehicle Termination Delay Time (Sec)																	
	Pedestrian demand hold time (Sec)																	
Pedestrian to Vehicle Inter-green	Pelican	Vehicle Red / Flashing Green Man [Period E] (Sec)																
		Vehicle Flashing Yellow / Flashing Green Man [Period F] (Sec)																
		Vehicle Flashing Yellow / Red Man [Period G] (Sec)																
	Pedestrian and TOUCAN far-sided signals	Minimum clearance - Vehicle Red / Pedestrian Blackout [Period v] (Sec)																
		Maximum extendible - Vehicle Red / Pedestrian Blackout [Period vi] (Sec)																
		Forced change - Vehicle Red / Pedestrian Blackout [Period vii] (Sec)																
		All Red [Period viii] (Sec)																
		On-crossing extension (Sec)																
	PUFFIN and TOUCAN near-sided signals	Minimum clearance - Vehicle Red / Red Man [Period 5/V] (Sec)	3	3	3	3	3											
		Maximum extendible - Vehicle Red / Red Man [Period 6/VI] (Sec)	7	7	7	7	5											
		Forced change - Vehicle Red / Red Man [Period 7/VII] (Sec)	0	0	0	0	0											
		Gap-change - Vehicle Red / Red Man [Period 8 / VIII] (Sec)	0	0	0	0	0											
		On-crossing extension (Sec)	1.0	1.0	1.0	1.0	1.0											
Other Facilities	Pedestrian Audible Signals		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
	Pedestrian Tactile Signals		☐	☒	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Comments	Periods 5 and 6 are consecutive.																	

Site reference Specification Issue No. Form Issue Originators Initials Date 

SPECIAL CONDITIONS**Manual Panel**

Higher priority LED to flash when under MOVA control.

General

CRB toggles (independent) required when MOVA not in control and Controller in normal for all streams
Revertive demands to be removed when the controller is in MOVA Mode.

MOVA Link/Det**M1 - Pedestrians**

LK3 = Ped B Wait Confirm, MOVA Det.5

Demand for Pedestrian B is to reply on detector 5

LK4 = Ped C Wait Confirm, MOVA Det.6

Demand for Pedestrian C is to reply on detector 6

Not shown if locked out with RLM Fault

Phase B cycle detection BX3 / BSL4 when demanded will also illuminate phase B PBU's

M2 - Pedestrians

LK3 = Ped E Wait Confirm, MOVA Det.5

Demand for Pedestrian E is to reply on detector 5

LK4 = Ped F Wait Confirm, MOVA Det.6

Demand for Pedestrian F is to reply on detector 6

Not shown if locked out with RLM Fault

Phase E cycle detection EX3 / ESL4 when demanded will also illuminate phase B PBU's

Site reference

Specification Issue No.

Form Issue

1

Originators Initials

JPS

Date

06 August 2026

i

SPECIAL CONDITIONS (Continuation)**M2 - Pedestrians**

LK3 = Ped H Wait Confirm, MOVA Det.4

Demand for Pedestrian H is to reply on detector 4

Not shown if locked out with RLM Fault

Conditioning Notes

A latch demand shall be inserted for phases when leaving all modes

Site reference

Specification Issue No.

Form Issue

Originators Initials

Date

[i](#)