

| | | | |
|--------|--|--------------|-----------------|
| TO | 1. SENIOR ENGINEER, CONTROLLER APPLICATIONS 2. STEVE ATTARD, PROGRAM DELIVERY | ACTION | DATE |
| FROM | SAMUEL JANDA | DATE | 4/10/21 |
| SITE | MIDLAND HIGHWAY NR CHUTE STREET | SITE NO. | 6246 |
| REGION | LODDON MALLEE | MUNICIPALITY | GREATER BENDIGO |

GENERAL

| | | | |
|--------------------|--|--------------------|----------|
| Works Program Job? | Yes | Project Number | 45804171 |
| Classification | SIMPLE | Works Order Number | 4A007884 |
| Description | <input checked="" type="checkbox"/> New intersection signals <input checked="" type="checkbox"/> New pedestrian operated signals <input type="checkbox"/> Controller swap. Reason for swap | | |

CONTROLLER DETAILS

| | | | | | |
|---|---------|----------------------------|-------------|----------|---------|
| Type | ATSC 4 | Software Version & Release | V6.2 R20 | Lanterns | ELV LED |
| Number of Signal Groups | Vehicle | 2 | Pedestrians | 1 | Total 3 |
| Number of special outputs / Pedestrian Wait State Outputs | 0 | | | | |
| Controller capacity | 4 | | | | |
| Number of detectors | Vehicle | 2 | Pedestrians | 1 | Total 5 |
| | Tram | 0 | Other | 2 | |

CONTROLLER APPLICATIONS

| | |
|---------------------------------------|----------|
| Target Date for Draft Opsheet | 11/10/21 |
| Target Date for completion of Program | 1/11/21 |
| Prepare Interlocking | |

PERSONALITY CHECKSUMS

| | | |
|-------------------|-----|-------|
| | Hex | Octal |
| Total | FF | 377 |
| Times | 82 | 202 |
| Pers | 7D | 175 |
| Dispatched | | |

PROGRAM DELIVERY - SIGNAL INSTALLATION

If switch-on of a metro site is to occur without a Telstra line, seek approval of the T/L Signal Services

SCATS connection Controller must be connected to SCATS at switch-on

PRIOR NOTICE

A job must be entered into RAI Action database before this switch on will be allowed.

| | | | | |
|--|-----------------------------|-----------------|-----|------|
| <input checked="" type="checkbox"/> | SCATS data changes - notify | NATHAN CORCORAN | Ext | 1210 |
| | OR | SAMUEL JANDA | Ext | 1210 |
| before 3:00pm on the day before switch on. | | | | |

SCATS Data Changes - Slot data and graphics

TRAFFIC MANAGEMENT CENTRE

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Please notify NATHAN CORCORAN (x1210) on job completion. |
|-------------------------------------|--|

DATE OF NEW CONTROLLER SWITCH ON

CONTROLLER OPERATION SPECIFICATION

SITE NAME **MIDLAND HIGHWAY NR CHUTE STREET**

SITE NO. **6246**

MUNICIPALITY GREATER BENDIGO DESIGNED BY SAMUEL JANDA

DATE 4/10/21

PLAN NO. 955641

DESIGN CHECKED

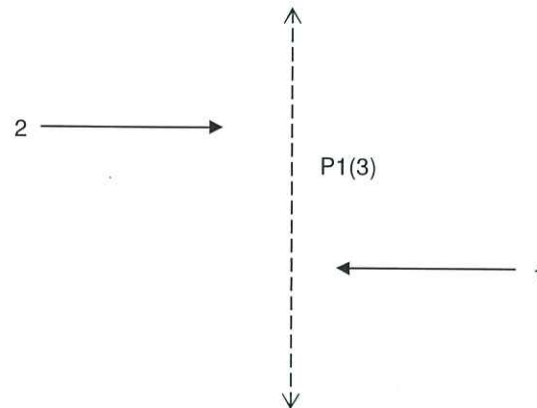
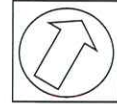
DATE 11/10/21

CONTROLLER TYPE ATSC 4

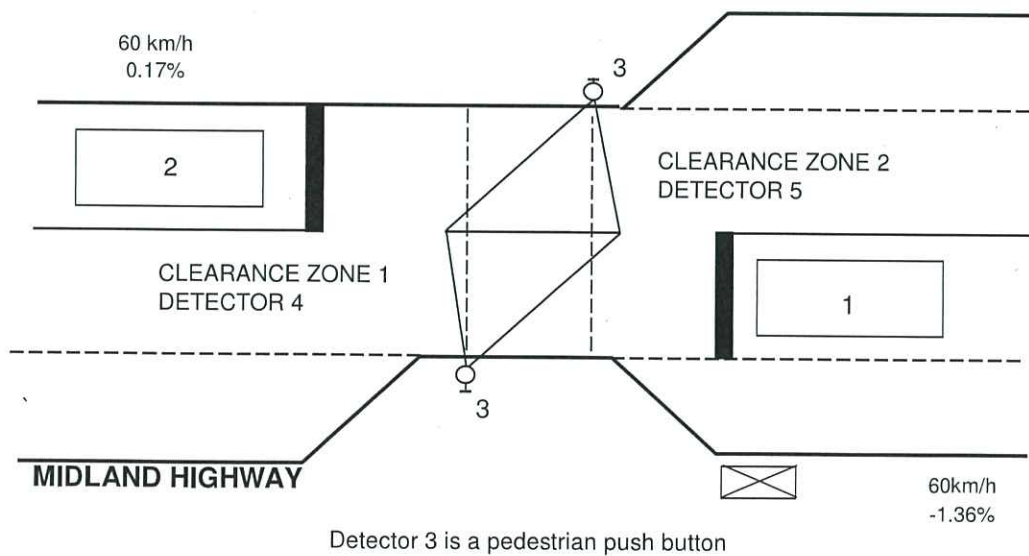
PROM CHECKED

DATE 20/10/21

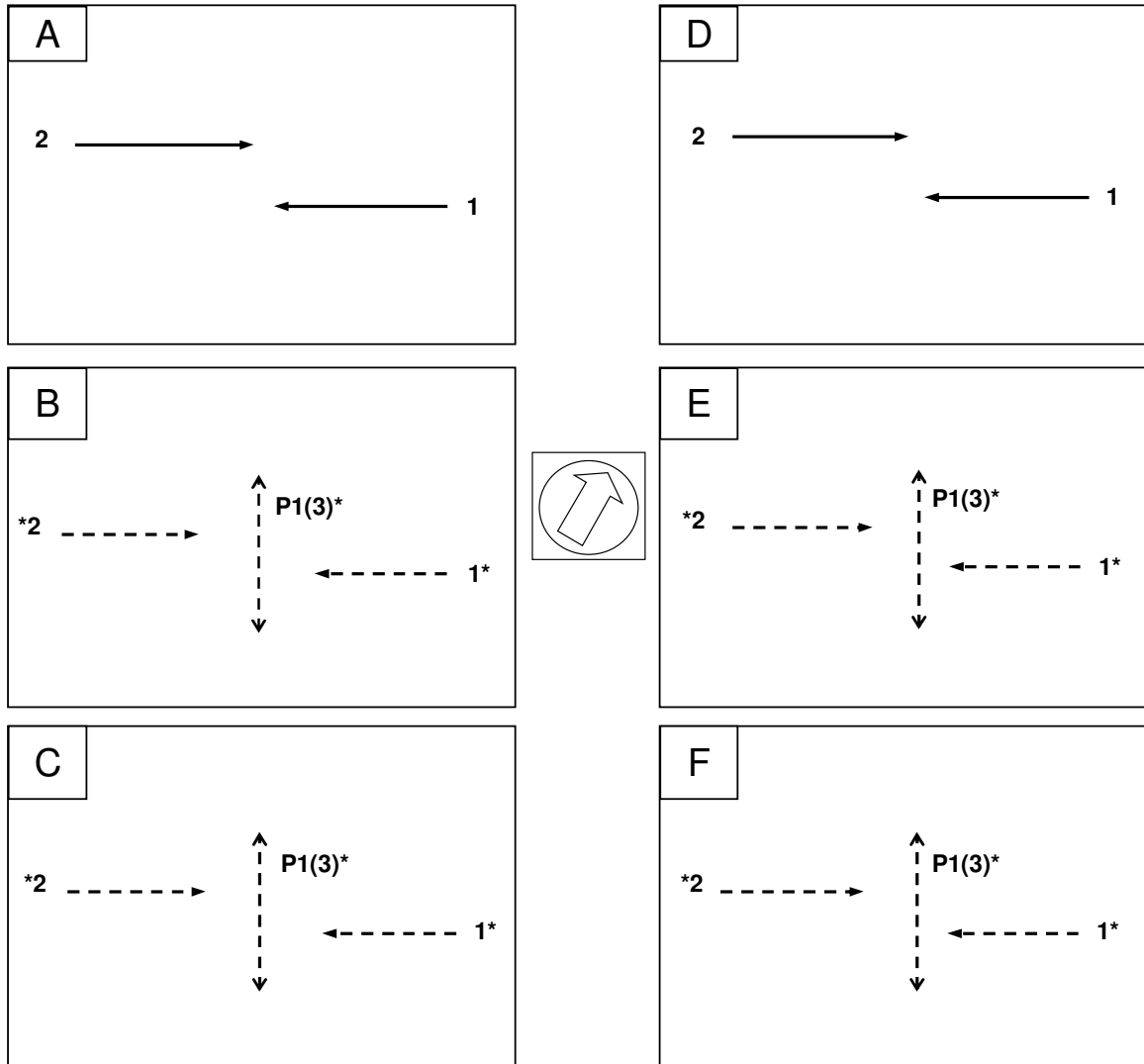
GROUP ALLOCATION



DETECTOR MAP



PHASING DIAGRAM



OPERATION IN LINK MODE

1. Signal groups are independent of phasing. All phases have a permanent demand in Masterlink & Flexilink
2. SG1 & SG2 cannot close down during AØ (refer note 6 below for the exception).
- * 3. SG1 & SG2 can close down at any time during BØ green, provided SG1 & SG2 minimum green has expired and both approaches gap or waste. If SG1 & SG2 close down at the end of BØ green (i.e. at the start of BØ yellow), P1 introduces at the start of CØ
- * 4. SG1 & SG2 cannot close down during CØ
5. Any ped demand placed during BØ intergreen or during CØ will not be serviced until the next cycle.
6. If BØ is left out of the sequence in Masterlink or Flexilink, SG1 & SG2 can close down at the start of AØ yellow and P1 introduces at the start of CØ.
7. The operation of DØ, EØ, FØ are the same as for AØ, BØ, CØ respectively. DØ, EØ and FØ are only used when double phasing.

OPERATION IN V.A. AND FLEXI ISOLATED MODES

1. Controller runs AØ and CØ.
2. AØ is extended by the vehicle detectors. When AØ gaps or wastes, AØ and SG1 & SG2 close down together.
3. CØ is called by P1. P1 introduces at the start of CØ (SG1 & SG2 close down at the start of AØ yellow). CØ runs for the duration of P1 walk, clearance and solid don't walk time.

V.A. SEQUENCE

AC

DESIGNED BY: SAMUEL JANDA

DATE 4/10/21

DETECTOR FUNCTIONS

| DETECTOR No. | Internal / External | Input Number | SPECIAL FUNCTION | DA Category | DETECTOR ALARMS | | | |
|--------------|---------------------|--------------|---|-------------|------------------|----------------|---------------|-----------|
| | | | | | Fault Simulation | | | |
| | | | | | Disable | DA on S/C only | Call & Extend | Call Only |
| 1 | I | 1 | Extend SG1, Approach 1 * | 0 | | | ✓ | |
| 2 | I | 2 | Extend SG2, Approach 2 * | 0 | | | ✓ | |
| 3 | E | 1 | Call CØ. Places demand for Ped 1**. | 6 | | ✓ | | |
| 4 | E | 2 | Clearance Zone 1 | 0 | | | | |
| 5 | E | 3 | Clearance Zone 2 | 0 | | | | |
| 6 | E # | 4 | Off - Clearance zone det. used for Walk Ext. On - Clearance zone det not used for Walk Ext. | 1 | | | | |
| 7 | E # | 5 | Off-Clearance zone det. used for Clearance Ext. On-Clearance zone det not used for Clearance Ext. | 1 | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |

Refer to Notes on Page 3/2

* For Queuing Feature, refer notes on page 6 ** MSS11 is set for the duration of P1 demand.

INTERGREEN AND PEDESTRIAN TIMES

INTERGREEN TIMES

| | LEGAL SPEED | GRADE (%) ^x | DESIGN SPEED | | INTERGREEN | | |
|-----|-------------|------------------------|--------------|-----|------------|-----|-------|
| | | | YELLOW | RED | YELLOW | RED | TOTAL |
| SG1 | 60 | -1.36% | 60 | - | 4.0 | 2.0 | 6.0 |
| SG2 | 60 | 0.17% | 60 | - | 4.0 | 2.0 | 6.0 |

^xPositive grade indicates an uphill approach & negative grade indicates a downhill approach.

Specify negative grade values with a "-" prefix

SG1 & SG2 are special movements that use AØ yellow and BØ all red timesettings.

PEDESTRIAN TIMES

| | WALK | | | CLEARANCE | | | MINIMUM SOLID DON'T WALK |
|----|--------------|-------|---------|--------------|-------|---------|-----------------------------------|
| | DISTANCE (m) | TIME | | DISTANCE (m) | TIME | | |
| | | GRAPH | ADOPTED | | GRAPH | ADOPTED | |
| P1 | 12.0 | 8 | 13 | 12.0 | 8 | 13 | 3.0 |

DESIGNED BY: SAMUEL JANDA

DATE

4/10/21

PEDESTRIAN OPERATION VARIABLE WALK AND CLEARANCE OPERATION (PUFFIN)

1. DETECTION INFORMATION

The controller is capable of supporting 1 PUSH BUTTON detector input and 2 CLEARANCE ZONE detector inputs.

Note: There are no WAIT ZONE detectors at this site.

2. NOTES ON OPERATION

A. PEDESTRIAN DEMAND

A demand for the pedestrian is placed by an activation of the PUSH BUTTON detector input.

ABNORMAL OPERATION

If the push button is continuously stuck on, then a permanent demand for the pedestrian will be placed. When the controller is on line to SCATS and the push button is continuously ON for the periods as specified by the SCATS TDA message, then a Detector Alarm (DA) will be generated on the push button.

If the push button is continuously OFF, then a pedestrian demand is not placed.

B. WALK EXTENSION FUNCTION USING CLEARANCE ZONE DETECTORS

GENERAL

The walk display runs for a minimum time. This minimum is specified in Special Purpose Timesetting No. 14. Activation of the CLEARANCE ZONE detectors (i.e. detectors 4 and/or 5) provides extension of the walk display up to a maximum time. This maximum time is specified in the Walk Time of Pedestrian No. 1.

Between the minimum and maximum times as specified above, the walk display is terminated if the CLEARANCE ZONE detectors have been vacated for the period as specified in Special Purpose Timesetting No. 12.
(Note: Generally set to 1 s).

ABNORMAL OPERATION

If the CLEARANCE ZONE detectors (i.e. 4 and/or 5) do not toggle ON during the Walk interval up to the "STANDARD" walk, then terminate at this instant. The "STANDARD" walk is specified as the total of Special Purpose Timesetting No. 14 plus Special Purpose Timesetting No. 15.

Note: When the controller is online to SCATS and a **CLEARANCE ZONE detector does not toggle ON** for the period as specified by the SCATS TDA message, then a Detector Alarm (DA) will be generated on that CLEARANCE ZONE detector. If one CLEARANCE ZONE detector is alarmed, and the other toggles ON during the Walk interval, the minimum walk time is the "STANDARD" walk time, and the walk can be extended.

If a CLEARANCE ZONE detector does not toggle OFF during the Walk, then extend to maximum (i.e. Walk Time of Pedestrian No. 1). This may be due to a faulty detector, or a large number of pedestrians.

Note: When the controller is on line to SCATS and a **CLEARANCE ZONE detector does not toggle OFF** for the period as specified by the SCATS TDA message, then a Detector Alarm (DA) will be generated on that CLEARANCE ZONE detector. If a DA occurs on one or both CLEARANCE ZONE detectors then the minimum walk time is the "STANDARD" walk time. (i.e. the total of Special Purpose Timesetting No. 14 plus Special Purpose Timesetting No. 15). The Walk can be extended by the CLEARANCE ZONE detector that toggles ON.

DESIGNED BY: SAMUEL JANDA

DATE

4/10/21

C. CLEARANCE EXTENSION FUNCTION

GENERAL

The Flashing Clearance display runs for a minimum time. This minimum time is specified in Special Purpose Timesetting No. 16. Activation of the CLEARANCE ZONE detectors (i.e. detectors 4 and/or 5) provides extension of the Flashing Clearance display up to a maximum time. This maximum time is specified in the Clearance 1 Time of Pedestrian No. 1.

Between the minimum and maximum times as specified above, the Flashing Clearance display is terminated if the CLEARANCE ZONE detector has been vacated for the period as specified in Special Purpose Timesetting No. 13 (Note: generally set to 1 s).

ABNORMAL OPERATION

If the CLEARANCE ZONE detectors (i.e. detectors 4 and/or 5) do not toggle ON during the Walk and through the Flashing Clearance interval up to the "STANDARD" clearance time, then terminate at this instant. The "STANDARD" clearance time is specified as the total of Special Purpose Timesetting No. 16 plus Special Purpose Timesetting No. 17.

Note: When the controller is online to SCATS and a **CLEARANCE ZONE detector does not toggle ON** for the period as specified by the SCATS TDA message, then a Detector Alarm (DA) will be generated on that CLEARANCE ZONE detector. If one CLEARANCE ZONE detector is alarmed, and the other toggles ON during the Walk or Clearance interval, the minimum clearance time is the "STANDARD" clearance time, and the clearance time can be extended.

If a CLEARANCE ZONE detector does not toggle OFF during the Walk and through the Flashing Clearance interval, then extend to maximum (i.e. Clearance 1 Time of Pedestrian No. 1). This may be due to a faulty detector, or a large number of pedestrians.

Note: When the controller is on line to SCATS and a **CLEARANCE ZONE detector does not toggle OFF** for the period as specified by the SCATS TDA message, then a Detector Alarm (DA) will be generated on that CLEARANCE ZONE detector. If this occurs on one or both CLEARANCE ZONE detectors then the minimum Flashing Clearance interval is the "STANDARD" clearance time (i.e. the total of Special Purpose Timesetting No. 16 plus Special Purpose Timesetting No. 17). The Clearance time can be extended by the CLEARANCE ZONE detector that toggles ON.

3. OPERATION WITHOUT THE CLEARANCE ZONE DETECTORS BEING USED FOR WALK EXTENSION

If it is decided that the pedestrians is to operate **without the CLEARANCE ZONE detectors extending the walk**, either or both of the following 2 methods can be used to allow this to occur.

Switch detector 6 to the ON position
Set XSF5 flag

In this situation the walk interval will be automatically set to the "STANDARD" walk time (i.e. the total of Special Purpose Timesetting No. 14 plus Special Purpose Timesetting No. 15).

4. OPERATION WITHOUT THE CLEARANCE ZONE DETECTORS BEING USED FOR CLEARANCE EXTENSION

If it is decided that the pedestrians is to operate **without the CLEARANCE ZONE detectors extending the clearance**, either or both of the following 2 methods can be used to allow this to occur.

Switch detector 7 to the ON position
Set XSF6 flag

In this situation the clearance interval will be automatically set to the "STANDARD" clearance time (i.e. the Special Purpose Timesetting No. 16 plus Special Purpose Timesetting No. 17).

DESIGNED BY: SAMUEL JANDA

DATE 4/10/21

CONTROLLER TIMESETTINGS - 1

PHASE TIMESETTINGS

Front Panel Command: Phase No.Timesetting No (e.g. 1.6 accesses A phase maximum extension green)

| DESCRIPTION | Timesetting No | PHASE | | | | | | |
|-----------------------------|----------------|----------|----------|----------|----------|----------|----------|----------|
| | | A (1) | B (2) | C (3) | D (4) | E (5) | F (6) | G (7) |
| RED / YELLOW | 1 | - | - | - | - | - | - | - |
| LATE START | 2 | - | - | - | - | - | - | - |
| MINIMUM GREEN (1) | 3 | 3.0 | 0.0 | 3.0 | 3.0 | 0.0 | 3.0 | - |
| INCREMENT | 4 | - | - | - | - | - | - | - |
| MAXIMUM INITIAL GREEN | 5 | - | - | - | - | - | - | - |
| MAXIMUM EXTENSION GREEN (4) | 6 | 30 | - | - | - | - | - | - |
| EARLY CUT OFF | 7 | - | - | - | - | - | - | - |
| YELLOW (2) | 8 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | - |
| ALL RED (2) | 9 | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 | - |
| SPECIAL ALL RED | 10 | 0* | - | - | - | - | - | - |
| GAP 1 (3) | 11 | 3.0 | - | - | - | - | - | - |
| GAP 2 (3) | 12 | 3.0 | - | - | - | - | - | - |
| GAP 3 | 13 | - | - | - | - | - | - | - |
| GAP 4 | 14 | - | - | - | - | - | - | - |
| HEADWAY 1 | 15 | 1.2 | - | - | - | - | - | - |
| HEADWAY 2 | 16 | 1.2 | - | - | - | - | - | - |
| HEADWAY 3 | 17 | - | - | - | - | - | - | - |
| HEADWAY 4 | 18 | - | - | - | - | - | - | - |
| WASTE 1 | 19 | 7 | - | - | - | - | - | - |
| WASTE 2 | 20 | 7 | - | - | - | - | - | - |
| WASTE 3 | 21 | - | - | - | - | - | - | - |
| WASTE 4 | 22 | - | - | - | - | - | - | - |

1. For SG1 & SG2 minimum green in Isolated mode, refer Special Purpose Timesetting 10.

* Special all red for AØ → BØ, DØ → EØ.

For SG1 & SG2 minimum green in link mode, refer Special Purpose Timesetting 11.

2. When SG1 & SG2 close down they use AØ yellow and BØ all-red.

3. SG1 & SG2 use the gap, headway and waste times specified in AØ timesettings.

4. AØ maximum extension green is used only in Isolated mode.

PEDESTRIAN TIMESETTINGS

Front Panel Command: Pedestrian No.Timesetting No (e.g. 18.2 accesses P2 walk)

| DESCRIPTION | Timesetting No | PEDESTRIAN | | | | | | | |
|-------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | P1 (17) | P2 (18) | P3 (19) | P4 (20) | P5 (21) | P6 (22) | P7 (23) | P8 (24) |
| DELAY | 1 | - | - | - | - | - | - | - | - |
| WALK* | 2 | 13 | - | - | - | - | - | - | - |
| CLEARANCE 1 | 3 | 13 | - | - | - | - | - | - | - |
| CLEARANCE 2 | 4 | 0 | - | - | - | - | - | - | - |

DESIGNED BY: SAMUEL JANDA

DATE

4/10/21

CONTROLLER TIMESETTINGS - 2

SPECIAL MOVEMENT TIMESETTINGS

Front Panel Command: B.Timesetting No (e.g. B.5 accesses Special Movement Timesetting No 5)

| Timesetting No | Timesetting (Range: 0-5) | FUNCTION |
|----------------|--------------------------|----------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |

SPECIAL PURPOSE TIMESETTINGS

Front Panel Command: B.Timesetting No (e.g. B.19 accesses Special Movement Timesetting No 19)

| Timesetting No | Timesetting (Range: 0-200) | FUNCTION |
|----------------|----------------------------|--|
| 9 | | |
| 10 | 10 | SG1 & SG2 MINIMUM GREEN IN ISOLATED MODE |
| 11 | 10 | SG1 & SG2 MINIMUM GREEN IN LINK MODE |
| 12 | 1 | WALK EXTENSION (USING CLEARANCE ZONE DETECTORS) |
| 13 | 1 | CLEARANCE EXTENSION (USING CLEARANCE ZONE DETECTORS) |
| 14 | 6 | MINIMUM WALK |
| 15 | 2 | ADDITIONAL WALK FOR 'STANDARD' WALK |
| 16 | 4 | MINIMUM CLEARANCE |
| 17 | 4 | ADDITIONAL CLEARANCE FOR 'STANDARD' CLEARANCE |
| 18 | 0 | LIMIT GREEN WATCHDOG TIMER |
| 19 | 0 | SPECIAL FACILITY CONTROLS ALARM TIMER |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |
| 29 | | |
| 30 | | |
| 31 | | |
| 32 | | |
| 33 | | |
| 34 | | |
| 35 | | |
| 36 | | |
| 37 | | |
| 38 | | |
| 39 | | |
| 40 | | |

STANDARD
WALK = 8
STANDARD
CLEARANCE = 8

DESIGNED BY: SAMUEL JANDA

DATE

4/10/21

CONTROLLER TIMESETTINGS - 3
PRESENCE TIMESETTINGS

Front Panel Command: D.Detector No (e.g. D.7 accesses Presence time for detector 7)

| DETECTOR No | TIMESETTING (Range: 0-10) |
|-------------|------------------------------|
| 1 | 6.0 |
| 2 | 6.0 |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |

QUEUING FEATURE
APPROACH 1:

- If XSF9 (Masterlink) or R- (Flexilink) is set, and the presence time for detector 1 is expired in BØ, and there is a demand for P1, expire approach 1
- If XSF9 (Masterlink) or Q- (Flexilink) is set, and the presence time for detector 1 is expired in EØ, and there is a demand for P1, expire approach 1

APPROACH 2:

- If XSF10 (Masterlink) or R+ (Flexilink) is set, and the presence time for detector 2 is expired in BØ, and there is a demand for P1, expire approach 2
- If XSF10 (Masterlink) or Q+ (Flexilink) is set, and the presence time for detector 2 is expired in EØ, and there is a demand for P1, expire approach 2

DAILY EVENT TIMESETTINGS

| FUNCTION | TIMESETTING |
|-----------------------------|-------------|
| Daily start time (Hours) | |
| Daily start time (Minutes) | |
| Daily finish time (Hours) | |
| Daily finish time (Minutes) | |

DESIGNED BY: SAMUEL JANDA

DATE

4/10/21

CONTROLLER TIMESETTINGS - 4

SPECIAL MOVEMENT TIMESETTINGS

| GROUP No | STAGE 1 TIMESETTINGS (Yellow Timing) | STAGE 2 TIMESETTINGS (Red Timing) |
|----------|---|--------------------------------------|
| 1 | 4.0 (AØ Yellow) | 2.0 (BØ All Red) |
| 2 | 4.0 (AØ Yellow) | 2.0 (BØ All Red) |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |
| 29 | | |
| 30 | | |
| 31 | | |
| 32 | | |

NOTE: Stage 1: Timesetting (Yellow Time)
Default is zero, uses phase yellow if special movement is activated
Can specify phase timesettings, eg. A phase yellow, or a time value, eg. 3 secs
Stage 2: Timesetting (Red Time)
Default is zero, Traff will use 2 secs red as default if special movement is activated
Can specify phase timesettings or other timesettings, eg. A phase red, or a time value, eg. 2.5 secs

DESIGNED BY: SAMUEL JANDA

DATE 4/10/21

FLEXILINK OPERATION

PHASE SEQUENCES

| No | PHASE SEQUENCE |
|-----------|-----------------------|
| 1 (No Y+) | ABCDEF (Only ABC run) |
| 2 (Y+) | ABCDEF |

NOTES:

1. All phases must be specified in the phase sequence
2. Only specify phase sequence 2 if it is different from phase sequence 1.

LOOK AHEADS & RELEASES

| PHASE SEQUENCE 1 | | | PHASE SEQUENCE 2 | | |
|------------------|-------------|---------|------------------|-------------|---------|
| PHASE | LOOK AHEAD* | RELEASE | PHASE | LOOK AHEAD* | RELEASE |
| A | No | No | A | No | No |
| B | No | No | B | No | No |
| C | No | No | C | No | No |
| D | No | No | D | No | No |
| E | No | No | E | No | No |
| F | No | No | F | No | No |
| G | No | No | G | No | No |

* Specify the phases to which look ahead is permitted, e.g. Yes (to E, F, G, A)

INHIBIT PHASES

The following phases can be inhibited in flexilink by setting the call pulse one step before the call pulse of the next phase in sequence

B, E

PULSE STEP LENGTH

☐ One Second
 ☒ Two Second

MASTERLINK & FLEXILINK SPECIAL FLAGS

| FLAG | FUNCTION |
|-----------|--|
| Y- Flexi | The site will operate in flexilink mode if the signal is continuously sent (C) or is used as an offset (e.g. 25) |
| Y- Master | |
| Y+ Flexi | Double phasing, i.e. Run ABCDEF |
| Z- Flexi | |
| Z- Master | |
| Z+ Flexi | |
| Z+ Master | |
| R- Flexi | |
| R+ Flexi | Queuing Feature (refer notes on page 6) |
| Q- Flexi | Queuing Feature (refer notes on page 6) |
| Q+ Flexi | Queuing Feature (refer notes on page 6) |

DESIGNED BY: SAMUEL JANDA

DATE

4/10/21

SCATS INTERSECTION DATA

The data shown on this page is typical data that can be used for testing controller operations.

This data is not necessarily applicable when the site is switched on in the field

TYPICAL SLOT DATA

| | | | | | | |
|---------------|---|----------|---|---------------|---|---------|
| SLOT <i>n</i> | = | 6 | , | 1 | , | 0 |
| | | (phases) | | (split plans) | | (walks) |
| INT | = | | | 6246 | | |
| VC | = | | | 6.2 | | |
| CS | = | | | | | |
| COM | = | | | NET | | |
| PK | = | | | ! | | |
| S# | = | | | | | |
| LM | = | | | | | |
| RMN | = | | | 0 | | |
| DCL | = | | | 0 | | |
| | | | | | | |
| AT | = | | | 4 | | |
| BT | = | | | 6 | | |
| CT | = | | | 3 | | |
| DT | = | | | 4 | | |
| ET | = | | | 6 | | |
| FT | = | | | 3 | | |
| PP1 | = | | | 0,0A | | |
| PP2 | = | | | 0,0A | | |
| PP3 | = | | | 0,0A | | |
| PP4 | = | | | 0,0A | | |

TYPICAL SPLIT PLAN DATA

| PHASE SEQUENCE 1 | |
|------------------|--------|
| A = | 0PDB |
| B = | 50NGC |
| C* = | 19#NGA |
| D = | 1E |
| E = | 1F |
| F = | 1A |

| PED NO | PED NO | | P1 | | |
|--------|----------|---|----|---|--|
| | GROUP NO | 1 | 2 | 3 | |
| PED NO | 1 | | | X | |
| | 2 | | | X | |
| | 3 | X | X | | |
| P1 | | | | | |

* CØ = WALK + CLEARANCE + 3 SECONDS

TYPICAL VARIATION PARAMETERS

| | | |
|--------|--------|--------|
| VP1 = | VP22 = | VP43 = |
| VP2 = | VP23 = | VP44 = |
| VP3 = | VP24 = | VP45 = |
| VP4 = | VP25 = | VP46 = |
| VP5 = | VP26 = | VP47 = |
| VP6 = | VP27 = | VP48 = |
| VP7 = | VP28 = | VP49 = |
| VP8 = | VP29 = | VP50 = |
| VP9 = | VP30 = | VP51 = |
| VP10 = | VP31 = | VP52 = |
| VP11 = | VP32 = | VP53 = |
| VP12 = | VP33 = | VP54 = |
| VP13 = | VP34 = | VP55 = |
| VP14 = | VP35 = | VP56 = |
| VP15 = | VP36 = | VP57 = |
| VP16 = | VP37 = | VP58 = |
| VP17 = | VP38 = | VP59 = |
| VP18 = | VP39 = | VP60 = |
| VP19 = | VP40 = | VP61 = |
| VP20 = | VP41 = | VP62 = |
| VP21 = | VP42 = | |