Intersection Name: 82nd Avenue @ Tillamook

Controller 2115.2 Channel: 212 Drop: 14

System: TransCore TransSuite TCS

Controller Type: Voyage

Revision - Version -

TransCore Unified Controller Manager 8.1.0

PHASE DIAGRAM

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Controller Function and Timing

Security, Sequence and Timing (Next/2/1, Next/2/2/3/A, Next/2/2/5)					
Security Code	0	0 = disabled, or 1000-9999	First All Red	8.0	0.0 to 25.5 seconds
Sequence	7	0 = sequential, 1 = quad left turn, 2-6 = special A-E, 7 = lead lag			
Power up Flash	0.0				

Initialization (Next/2/2/5)			Lead Lag (Next/2/2/3/A)			
Ring 1	Ring 2	Interval	Phases 1 - 2	Phases 3 - 4	Phases 7 - 6	Phases 7 - 8
2	6	2	2	2	2	2
Phase 1 - 8		0 = Red, 1 = Yel, 2 = Grn	0 = no reversal, 1 = reversal, 2 = by coord plan or clock			

Phase Functions (Next/2/2/3, Next/2/2/1)	
Phase Used	1 2 - 4 5 6 - 8
Restricted Phases	- - - - - - - -
Exclusive Phases	- - - - - - - -
Yellow Lock	- - - - - - - -
Min Recall	- 2 - - - 6 - -
Max Recall	- 2 - - - 6 - -
Ped Recall	- 2 - - - 6 - -
Red Lock	- - - - - - - -
Max Out Recall Inhibit	- - - - - - - -
Soft Recall	- - - - - - - -
Free Walk Rest	- - - - - - - -
Conditional Ped	- - - - - - - -
Disable Inhibit Max	- - - - - - - -

Phase Times (Next/2/2/2, Next/2/2/9/5)									
Movement	1	2	3	4	5	6	7	8	
Movement									
Minimum Green	3	10	0	5	3	10	0	5	0 - 255 sec.
Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec.
Red Clearance	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec. or 0 - 255 sec.
Max 1	8	40	0	20	6	40	0	15	0 - 255 sec.
Max 2	8	40	0	20	5	40	0	15	0 - 255 sec.
Walk	0	10	0	5	0	10	0	5	0 - 255 sec.
Ped Clear	0	7	0	13	0	7	0	13	0 - 255 sec.
Seconds Per Actuation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Time Before Reduction	0	0	0	5	0	0	0	5	0 - 255 sec.
Time to Reduce	0	0	0	3	0	0	0	3	0 - 255 sec.
Minimum Gap	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
Max Variable Initial	3	10	0	5	3	10	0	5	0 - 255 sec.
Max Extend	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Auto Max	0	0	0	0	0	0	0	0	0 - 255 sec.
Inhibit Min Yellow									X = On
Red Decimal Off									X = On

Dual Entry (Next/2/2/9/3)

Mode	1	0 = off, 1 = on, 2 = Not Used, 3 = by coord plan, 4 = by time clock

Dual Entry Ph -->	1	2	3	4	5	6	7	8	
Phase	0	0	0	8	0	0	0	4	0 = none, 1-8 = phase 1-

Cond Service (Next/2/2/7/3,			5 Sec Head Logic (Next/2/2/9/4)						
	Mode	CS Max Time	X Omits Y		Anti-Trap			Yellow Blanking	
Phase 1	0	0	X:Y		Trap Protected		Next	Phase	
Phase 3	0	0	6:1	0	1	0	< (5)	1	0
Phase 5	0	0	8:3	0	3	0	< (7)	3	0
Phase 7	0	0	2:5	0	5	0	< (1)	5	0
0 = off, 1 = C.S.On. 2 = C.S. on by TOD circuit 57, 3 = N/A, 4 = C.S. and C.R. On, 5 = C.R. on by TOD circuit 57.			4:7	0	7	0	< (3)	7	0
			0 = off, 1 = side call, 2 = no side call		X = On				

Other Controller Functions (Next/2/2/9/1, Next/2/2/9/5)

Inhibit Simultaneous Gap Out	- - - - - - - -	
Last Car Passage	2	0 = recall phase, 1 = last car passage, 2 = NOT recall - Not last car passage
Red Revert (+2seconds)	0.0	0 - 25.5 sec.
Auto Ped Clear	Off	X = On
FDW thru Yellow	Off	X = On
Soft Recall Delay	0.0	0 - 25.5 sec.
Change Sequence	Off	X = On (After a download without a power on - off cycle)

Phase ->	1	2	3	4	5	6	7	8	
Red Clear Extension Detector	0	0	0	0	0	0	0	0	0 = none 1 - 32 = detector 1 -
Red Clear Extension Red Time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 - 25.5 sec.

Local Detectors (Next/2/2/4/1)

Detector Data

Detector	Description	Yellow Lock	Detector Inhibit	Call Phase	Extend Phase	Switch Phase	Delay Time	Stretch / Disconnect Time	Delay or Disconnect Mode
1				1	1	0	0	0.0	0
2				1	1	0	0	0.0	0
3				3	3	0	0	0.0	0
4				3	3	0	0	0.0	0
5				5	5	0	0	0.0	0
6				5	5	0	0	0.0	0
7				7	7	0	0	0.0	0
8				7	7	0	0	0.0	0
9				2	2	0	0	0.0	0
10				2	2	0	0	0.0	0
11				2	2	0	0	0.0	0
12				2	2	0	0	0.0	0
13				2	2	0	0	0.0	0
14				4	4	0	0	0.0	0
15				4	4	0	0	0.0	0
16				4	4	0	0	0.0	0
17				4	4	0	0	0.0	0
18				4	4	0	0	0.0	0
19				6	6	0	0	0.0	0
20				6	6	0	0	0.0	0
21				6	6	0	0	0.0	0
22				6	6	0	0	0.0	0
23				6	6	0	0	0.0	0
24				8	8	0	0	0.0	0
25				8	8	0	0	0.0	0
26				8	8	0	0	0.0	0
27				8	8	0	0	0.0	0
28				8	8	0	0	0.0	0
29				0	0	0	0	0.0	0
30				0	0	0	0	0.0	0
31				0	0	0	0	0.0	0
32				0	0	0	0	0.0	0

yellow lock, detector inhibit, - X = On; call, extend, phase - 0 = none 1 - 8 = phase 1 - 8; delay time - 0 - 255 sec
stretch / disconnect time - 0.0 - 25.5 sec.; delay or disconnect Mode - 0 -12

Detector Plans (Next/2/2/4/5)

Loop Number										
Plan Detectors		0	0	0	0	0	0	0	0	0 - 32, 0 = none, 1 - 32 = detectors 1- 32
Detector Plan 2	Call Phase	0	0	0	0	0	0	0	0	0 - 8, 0 = none, 1 - 8 = phase 1 - 8
	Extended Phase	0	0	0	0	0	0	0	0	
	Switch Phase	0	0	0	0	0	0	0	0	
	Delay Time	0	0	0	0	0	0	0	0	
	Stretch / Disconnect Time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Delay / Disconnect Mode	0	0	0	0	0	0	0	0	
Detector Plan 3	Call Phase	0	0	0	0	0	0	0	0	0 - 8, 0 = none, 1 - 8 = phase 1 - 8
	Extended Phase	0	0	0	0	0	0	0	0	
	Switch Phase	0	0	0	0	0	0	0	0	
	Delay Time	0	0	0	0	0	0	0	0	
	Stretch / Disconnect Time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Delay / Disconnect Mode	0	0	0	0	0	0	0	0	
Detector Plan 4	Call Phase	0	0	0	0	0	0	0	0	0 - 8, 0 = none, 1 - 8 = phase 1 - 8
	Extended Phase	0	0	0	0	0	0	0	0	
	Switch Phase	0	0	0	0	0	0	0	0	
	Delay Time	0	0	0	0	0	0	0	0	
	Stretch / Disconnect Time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Delay / Disconnect Mode	0	0	0	0	0	0	0	0	

Detector Fail (Next/2/2/4/3)

Detector Fail Sample Period (all detectors)	0	0 - 255 minutes

Video Fail Inputs	1	2	3	4	5	6	7	8	0 = none, 1 - 8 = phase 1 - 8
Phase Recalled	0	0	0	0	0	0	0	0	

System Detectors	1	2	3	4	5	6	7	8	0 = none, 1 - 32 = detector 1 - 32
Local Detector	0	0	0	0	0	0	0	0	

Flash (Next/2/2/5)

Flash Entry			Flash Exit		
Ring 1	Ring 2	Interval	Ring 1	Ring 2	Interval
2	6	red	2	6	2
0 = none, phase 1 - 8			0 = none, phase 1 - 8		0 = red, 1 = yel, 2 = grn

Soft Flash (Next/2/2/5)

Phase	1	2	3	4	5	6	7	8				
	3	4	3	4	3	4	3	4				
Overlap	A	B	C	D	E	F	G	H	I	J	K	L
	3	4	3	4	3	4	3	4	3	4	3	4
	0 = dark, 1=flash yel WIG, 2 = flash yel WAG, 3 = flash red WIG, 4 = flash red WAG											

Internal Logic Output	1	2	3	4	5	6	7	8	9	10	11	12	0 = normal, 1 = dark, 2 = flash WIG
	0	0	0	0	0	0	0	0	0	0	0	0	

Overlaps / FYLTA (Next/2/2/8/1)

Vehicle Overlaps	Phase or Movement	Phase or Movement								Extension Green	Clearance	
		1	2	3	4	5	6	7	8		Yellow	Red
A		1	1	0	0	0	0	0	0	0.0	0.0	0.0
B		0	0	1	1	0	0	0	0	0.0	0.0	0.0
C		0	0	0	0	1	1	0	0	0.0	0.0	0.0
D		0	0	0	0	0	0	1	1	0.0	0.0	0.0
E		0	0	0	0	0	0	0	0	0.0	0.0	0.0
F		0	0	0	0	0	0	0	0	0.0	0.0	0.0
G		0	0	0	0	0	0	0	0	0.0	0.0	0.0
H		0	0	0	0	0	0	0	0	0.0	0.0	0.0
I		0	0	0	0	0	0	0	0	0.0	0.0	0.0
J		0	0	0	0	0	0	0	0	0.0	0.0	0.0
K		0	0	0	0	0	0	0	0	0.0	0.0	0.0
L		0	0	0	0	0	0	0	0	0.0	0.0	0.0

A - D
0 = no overlap
1 = overlap
2 = 60 FPM
3 = Not ped ov
4 = Comp Pha
5 = Prevent Ex
6 = Not Vehicle

E - L
0 = no Overlap
1 = Overlap

Green, Yellow,
0.0 - 25.5 sec

(Next/2/2/8/6/8)

Overlap	Not Ped-Ped Overlaps
A	- - - - - - - -
B	- - - - - - - -
C	- - - - - - - -
D	- - - - - - - -

Ped Overlaps (Next/2/2/8/5)

Ped Overlap	Phase	Walk	Ped Clear
A	- - - - - - - -	0	0
B	- - - - - - - -	0	0
C	- - - - - - - -	0	0
D	- - - - - - - -	0	0
E	- - - - - - - -	0	0
F	- - - - - - - -	0	0
G	- - - - - - - -	0	0
H	- - - - - - - -	0	0

Walk, Ped Clear
0 - 255 seconds

Flashing Yellow Left Turn Arrow (FYTLA) (Next/2/2/8/6)

Phase Pairs ->	1 - 2	3 - 4	5 - 6	7 - 8	
Enable	4	0	4	0	0 = off, 3 = 3 outputs, 4 = 4 outputs, 5 = 5
Even Omits Odd	0	0	0	0	X = on, odd phase must be omitted
Detector Switch Odd /	1	1	1	1	X = on, odd phase must be omitted
Red Transition	2.0	2.0	2.0	2.0	0.0 or 2.0 - 25.5 sec.
Red Extension	10.0	0.0	10.0	0.0	0.0 - 25.5 sec.
Return to GLTA	0	0	0	0	0 = off, 1 = max out, 2= yellow lock

Advance Warning (Next/2/2/8/3)

	E	F	G	H	I	J	K	L	
Enable	0	0	0	0	0	0	0	0	0 = Disable, 1 = Enable
1st Conditional Overlaps	0	0	0	0	0	0	0	0	0 = None, 1 = OL E, 2 = OL F, 3 = OL G, 4 = OL H, 5 = OL I, 6 = OL J, 7 = OL K, 8 = OL L
2nd Conditional Overlaps	0	0	0	0	0	0	0	0	
Advance Deactivation Delay	0	0	0	0	0	0	0	0	0 - 99 sec

Service Plans 1 - 4 (Next/2/2/6)

	Phase ->	1	2	3	4	5	6	7	8	
Service Plan 1	Call Mode	0	0	0	0	0	0	0	0	
	0 = actuated, 1 = omit, 2 = N/A, 3 = min recall, 4 = max recall, 5 = soft recall, 6 = ped recall, 7 = omit ped, 8 = red rest									
	Min Green	3	10	0	5	3	10	0	5	0 - 255 sec
	Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
	Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec.
	Walk	0	7	0	5	0	7	0	5	0 - 255 sec
	Ped Clearance	0	10	0	13	0	10	0	13	0 - 255 sec

Service Plan 2	Call Mode	0	0	0	0	0	0	0	0	
	0 = actuated, 1 = omit, 2 = N/A, 3 = min recall, 4 = max recall, 5 = soft recall, 6 = ped recall, 7 = omit ped, 8 = red rest									
	Min Green	3	10	0	5	3	10	0	5	0 - 255 sec
	Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
	Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec.
	Walk	0	10	0	5	0	10	0	5	0 - 255 sec
	Ped Clearance	0	7	0	13	0	7	0	13	0 - 255 sec

Service Plan 3	Call Mode	0	0	0	0	0	0	0	0	
	0 = actuated, 1 = omit, 2 = N/A, 3 = min recall, 4 = max recall, 5 = soft recall, 6 = ped recall, 7 = omit ped, 8 = red rest									
	Min Green	3	10	0	5	3	10	0	5	0 - 255 sec
	Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
	Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec.
	Walk	0	10	0	5	0	10	0	7	0 - 255 sec
	Ped Clearance	0	7	0	13	0	7	0	13	0 - 255 sec

Service Plan 4	Call Mode	0	0	0	0	0	0	0	0	
	0 = actuated, 1 = omit, 2 = N/A, 3 = min recall, 4 = max recall, 5 = soft recall, 6 = ped recall, 7 = omit ped, 8 = red rest									
	Min Green	3	10	0	5	3	10	0	5	0 - 255 sec
	Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
	Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec.
	Walk	0	10	0	5	0	10	0	5	0 - 255 sec
	Ped Clearance	0	7	0	13	0	7	0	13	0 - 255 sec

Service Plans 5 - 8 (Next/2/2/6)

	Phase ->	1	2	3	4	5	6	7	8	
Service Plan 5	Call Mode	0	0	0	0	0	0	0	0	
	0 = actuated, 1 = omit, 2 = N/A, 3 = min recall, 4 = max recall, 5 = soft recall, 6 = ped recall, 7 = omit ped, 8 = red rest									
	Min Green	3	10	0	5	3	10	0	5	0 - 255 sec
	Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
	Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec.
	Walk	0	10	0	5	0	10	0	5	0 - 255 sec
	Ped Clearance	0	7	0	13	0	7	0	13	0 - 255 sec

Service Plan 6	Call Mode	0	0	0	0	0	0	0	0	
	0 = actuated, 1 = omit, 2 = N/A, 3 = min recall, 4 = max recall, 5 = soft recall, 6 = ped recall, 7 = omit ped, 8 = red rest									
	Min Green	3	10	0	5	3	10	0	5	0 - 255 sec
	Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
	Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec.
	Walk	0	10	0	5	0	10	0	5	0 - 255 sec
	Ped Clearance	0	7	0	13	0	7	0	13	0 - 255 sec

Service Plan 7	Call Mode	0	0	0	0	0	0	0	0	
	0 = actuated, 1 = omit, 2 = N/A, 3 = min recall, 4 = max recall, 5 = soft recall, 6 = ped recall, 7 = omit ped, 8 = red rest									
	Min Green	3	10	0	5	3	10	0	5	0 - 255 sec
	Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
	Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec.
	Walk	0	10	0	5	0	10	0	5	0 - 255 sec
	Ped Clearance	0	7	0	13	0	7	0	13	0 - 255 sec

Service Plan 8	Call Mode	0	0	0	0	0	0	0	0	
	0 = actuated, 1 = omit, 2 = N/A, 3 = min recall, 4 = max recall, 5 = soft recall, 6 = ped recall, 7 = omit ped, 8 = red rest									
	Min Green	3	10	0	5	3	10	0	5	0 - 255 sec
	Passage	0.5	0.0	0.0	3.0	0.5	0.0	0.0	3.0	0.0 - 25.5 sec.
	Yellow	3.0	3.6	0.0	3.2	3.0	3.6	0.0	3.2	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0 - 25.5 sec.
	Walk	0	10	0	5	0	10	0	5	0 - 255 sec
	Ped Clearance	0	7	0	13	0	7	0	13	0 - 255 sec

Max Plans (Next/2/2/7)

	Phase->	1	2	3	4	5	6	7	8	
MaxPlan 1	Normal Max	8	40	0	20	8	40	0	15	0 - 255 sec
	Fail Max	6	32	0	16	6	32	0	16	
MaxPlan 2	Normal Max	8	40	0	20	8	40	0	15	0 - 255 sec
	Fail Max	6	32	0	16	6	32	0	16	
MaxPlan 3	Normal Max	8	40	0	20	8	40	0	15	0 - 255 sec
	Fail Max	6	32	0	16	6	32	0	16	
MaxPlan 4	Normal Max	8	40	0	20	8	40	0	15	0 - 255 sec
	Fail Max	6	32	0	16	6	32	0	16	
MaxPlan 5	Normal Max	8	40	0	20	8	40	0	15	0 - 255 sec
	Fail Max	6	32	0	16	6	32	0	16	
MaxPlan 6	Normal Max	8	40	0	20	8	40	0	15	0 - 255 sec
	Fail Max	6	32	0	16	6	32	0	16	
MaxPlan 7	Normal Max	8	40	0	20	8	40	0	15	0 - 255 sec
	Fail Max	6	32	0	16	6	32	0	16	
MaxPlan 8	Normal Max	8	40	0	20	8	40	0	15	0 - 255 sec
	Fail Max	6	32	0	16	6	32	0	16	

Phase->	1	2	3	4	5	6	7	8	0 = use max1 / max2
Max Mode	1	0	0	0	0	0	0	0	1 = use time of day / coord

CoordinationData		
Coordination Modes (Next/2/3/1)		
Flash Mode	0	0=off, 1=on, 33=time clock, 34=comm, 35=hardwire
Coordination Plan Mode	34	0=free, 1-32 = coord plan 1-32, 33=time clock, 34=comm, 35=hardwire
Offset Seeking Mode	2	0=add only, 1=dwell, 2=fastway
Late Ped	0	0 = off, 1 = on
Coord Walk Rest	1	0 = off, 1 = on, 2 = by TOD circuit 160
Zero Mode(TS2 only)	1	0=start of main street, 1=end of main street, 2=by TOD circuit 144,
(Next/2/3/4/1)		
Coordination Double Cycle	0	0=off, 1=on (no coord ped), 2=on (beginning green coord ped), 3=on
Omit Phase During Repeated	- - - - - - - -	-- = service allowed ; # = service prevented

Coordination Plans (Next/2/3/2)

Coord Plan	Coordination Phases		Cycle Length	Offset Time	Min Cycle Len Dwell Time	Permissive	Service Plan	Max Plan
	Ring 1	Ring 2						
1	2	6	100	3	0	0	0	0
2	2	6	80	41	0	0	0	0
3	2	6	80	65	0	0	0	0
4	2	6	75	44	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	2	6	85	27	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0
21	2	6	100	3	0	0	0	0
22	2	6	80	41	0	0	0	0
23	2	6	80	65	0	0	0	0
24	2	6	75	44	0	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0
28	2	6	85	27	0	0	0	0
29	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0
	0 - 8		0 - 255 sec				0 - 8	

Coordination Plans cont. (Next/2/3/2)

Coord Plan	Use FO for timing	Force Off / Split Times (TS2)								Yield Points / Actuated Times (TS2)	
		1	2	3	4	5	6	7	8	Ring 1	Ring 2
1		11	65	0	24	11	65	0	24	0	0
2		11	47	0	22	11	47	0	22	0	0
3		11	45	0	24	11	45	0	24	0	0
4		10	42	0	23	10	42	0	23	0	0
5		0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0
8		11	52	0	22	11	52	0	22	0	0
9		0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0
21		0	71	0	0	0	71	0	0	0	0
22		0	52	0	0	0	52	0	0	0	0
23		0	52	0	0	0	52	0	0	0	0
24		0	45	0	0	0	45	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0
28		0	57	0	0	0	57	0	0	0	0
29		0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0
31		0	0	0	0	0	0	0	0	0	0
32		0	0	0	0	0	0	0	0	0	0
	0 - 255 sec * = force offs and yield points										

Circuit Mapping (Next/2/3/3)

Circuit Map	Coord Plan	Time Clock Circuit							
		1	2	3	4	5	6	7	8
1	1	97	0	0	0	0	0	0	0
2	1	99	0	0	0	0	0	0	0
3	2	97	0	0	0	0	0	0	0
4	2	99	0	0	0	0	0	0	0
5	3	97	0	0	0	0	0	0	0
6	3	99	0	0	0	0	0	0	0
7	8	97	0	0	0	0	0	0	0
8	8	99	0	0	0	0	0	0	0
9	1	81	0	0	0	0	0	0	0
10	2	82	0	0	0	0	0	0	0
11	3	83	0	0	0	0	0	0	0
12	4	84	0	0	0	0	0	0	0
13	8	87	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0

coord plan - 0 = free, 1 - 32 = coord plan 1 - 32, 33 = any, 34 none selected
time clock circuits - 0 = not used, or circuits 6 - 185

Dynamic Phase Lengths (Next/2/3/4/4)

Phase ->		1	2	3	4	5	6	7	8	
Back Detector		0	0	0	0	0	0	0	0	0 = none, 1-32 = detector 1-32
Lane Factor		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 = none, 1.0 - 5.0
Check Out Detector		0	0	0	0	0	0	0	0	0 = none, 1-32 = detector 1-32
Coord Delta Force Off	Set A	0	0	0	0	0	0	0	0	0 - 255 sec
	Set B	0	0	0	0	0	0	0	0	
	Set C	0	0	0	0	0	0	0	0	
	Set D	0	0	0	0	0	0	0	0	
Free Delta Max	Set A	0	0	0	0	0	0	0	0	
	Set B	0	0	0	0	0	0	0	0	
	Set C	0	0	0	0	0	0	0	0	
	Set D	0	0	0	0	0	0	0	0	

Time of Day Data (Next/2/4/1)						
Day Program						
	Day Prog	Time	Coord Plan or Circuit	Coord Plan # or Circuit #	Circuit Abbrev	State On/Off
1	1	00:01	Coord Plan	4	CL8	
2	1	11:00	Coord Plan	8	ESR	
3	1	17:00	Coord Plan	4	CL8	
4	2	00:01	Coord Plan	4	CL8	
5	2	06:30	Coord Plan	2	CL2	
6	2	11:00	Coord Plan	1	CL1	
7	2	15:00	Coord Plan	3	CL4	
8	2	21:30	Coord Plan	4	CL8	
9	0	00:00	Circuit	0	None / Coord Plan	
10	0	00:00	Circuit	0	None / Coord Plan	
11	0	00:00	Circuit	0	None / Coord Plan	
12	0	00:00	Circuit	0	None / Coord Plan	
13	0	00:00	Circuit	0	None / Coord Plan	
14	0	00:00	Circuit	0	None / Coord Plan	
15	0	00:00	Circuit	0	None / Coord Plan	
16	0	00:00	Circuit	0	None / Coord Plan	
17	0	00:00	Circuit	0	None / Coord Plan	
18	0	00:00	Circuit	0	None / Coord Plan	
19	0	00:00	Circuit	0	None / Coord Plan	
20	0	00:00	Circuit	0	None / Coord Plan	
21	0	00:00	Circuit	0	None / Coord Plan	
22	0	00:00	Circuit	0	None / Coord Plan	
23	0	00:00	Circuit	0	None / Coord Plan	
24	0	00:00	Circuit	0	None / Coord Plan	
25	0	00:00	Circuit	0	None / Coord Plan	
26	0	00:00	Circuit	0	None / Coord Plan	
27	0	00:00	Circuit	0	None / Coord Plan	
28	0	00:00	Circuit	0	None / Coord Plan	
29	0	00:00	Circuit	0	None / Coord Plan	
30	0	00:00	Circuit	0	None / Coord Plan	
31	0	00:00	Circuit	0	None / Coord Plan	
32	0	00:00	Circuit	0	None / Coord Plan	
33	0	00:00	Circuit	0	None / Coord Plan	
34	0	00:00	Circuit	0	None / Coord Plan	
35	0	00:00	Circuit	0	None / Coord Plan	
36	0	00:00	Circuit	0	None / Coord Plan	
37	0	00:00	Circuit	0	None / Coord Plan	
38	0	00:00	Circuit	0	None / Coord Plan	
39	0	00:00	Circuit	0	None / Coord Plan	
40	0	00:00	Circuit	0	None / Coord Plan	
	1 - 15	hh:mm	X = On = Coord Plan	coord plan 0 - 32 or circuit 1-185		X = On

WEEK PROGRAM (Next/2/4/2)

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	1	2	2	2	2	2	1
2	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1

0 = none, 1 - 15 = day plan

EXCEPTION DAYS (Next/2/4/6)

	Week of Month	Month	Day Week/ Month	Day Prog
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	0	0	0	0
8	0	0	0	0
9	0	0	0	0
10	0	0	0	0
11	0	0	0	0
12	0	0	0	0
13	0	0	0	0
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	0	0	0	0
18	0	0	0	0
19	0	0	0	0
20	0	0	0	0
21	0	0	0	0
22	0	0	0	0
23	0	0	0	0
24	0	0	0	0
25	0	0	0	0
26	0	0	0	0
27	0	0	0	0
28	0	0	0	0
29	0	0	0	0
30	0	0	0	0
31	0	0	0	0
32	0	0	0	0
33	0	0	0	0
34	0	0	0	0
35	0	0	0	0
	0 - 5	0 - 12	1 - 7 or 1 - 31	0 - 15

Time Clock References (Next/2/4/5)

Synch reference Mode	0	0 = timed, 1 = by event
Synch Reference Time	00:00	00:00 - 23:59
Daylight Saving Enable	On	X = On
Reset Time	00:00	00:00 - 23:59

YEAR PROGRAM (Next/2/4/3)

From Date	To Date	Week Program	
01/01/2011	12/31/2011	1	
00/00/0000	00/00/0000	0	
00/00/0000	00/00/0000	0	
00/00/0000	00/00/0000	0

CIRCUIT OVERRIDES 1 - 98 (Next/2/4/4)

1 - Coord Line 1	CL1	2 = TOD	50 - Ped Omit 2	PO2	2 = TOD
2 - Coord Line 2	CL2	2 = TOD	51 - Ped Omit 3	PO3	2 = TOD
3 - Coord Line 4	CL4	2 = TOD	52 - Ped Omit 4	PO4	2 = TOD
4 - Coord Line 8	CL8	2 = TOD	53 - Ped Omit 5	PO5	2 = TOD
5 - Coord Line 16	C16	2 = TOD	54 - Ped Omit 6	PO6	2 = TOD
6 - Coordinated Operation	CRD	2 = TOD	55 - Ped Omit 7	PO7	2 = TOD
7 - Soft Flash	SFL	2 = TOD	56 - Ped Omit 8	PO8	2 = TOD
8 - Enable System Relays	ESR	2 = TOD	57 - Conditonal Service	CVS	2 = TOD
9 - Call to Non Actuated Ring 1	CN1	2 = TOD	58 - Inhibit Simultaneous Gap Out	ISG	2 = TOD
10 -Call to Non Actuated Ring 2	CN2	2 = TOD	59 - Inhibit Hardwire	HWI	2 = TOD
11 - Walk Rest Modifier	WRM	2 = TOD	60 - Ped Override Mode	POM	1 = On
12 - Min Recall	MIN	2 = TOD	61 - Dual Entry	DLE	2 = TOD
13 - Max 2 Both Rings	MX2	2 = TOD	62 - Exclusive Ped	EPD	2 = TOD
14 - Coord Inhibit Max Ring 1	IM1	2 = TOD	63 - Call to Time Clock Mode	CTC	2 = TOD
15 - Coord Inhibit Max Ring 2	IM2	2 = TOD	64 - Dual Enhanced Ped	DEP	2 = TOD
16 - Call to Free	CTF	2 = TOD	65 - Service Plan 1	SP1	2 = TOD
17 - TOD Output 1	TO1	2 = TOD	66 - Service Plan 2	SP2	2 = TOD
18 - TOD Output 2	TO2	2 = TOD	67 - Service Plan 3	SP3	2 = TOD
19 - TOD Output 3	TO3	2 = TOD	68 - Service Plan 4	SP4	2 = TOD
20 - TOD Output 4	TO4	2 = TOD	69 - Service Plan 5	SP5	2 = TOD
21 - TOD Output 5	TO5	2 = TOD	70 - Service Plan 6	SP6	2 = TOD
22 - TOD Output 6	TO6	2 = TOD	71 - Service Plan 7	SP7	2 = TOD
23 - TOD Output 7	TO7	2 = TOD	72 - Service Plan 8	SP8	2 = TOD
24 - TOD Output 8	TO8	2 = TOD	73 - Max Plan 1	MP1	2 = TOD
25 - Vehicle Call Phase 1	VC1	2 = TOD	74 - Max Plan 2	MP2	2 = TOD
26 - Vehicle Call Phase 2	VC2	2 = TOD	75 - Max Plan 3	MP3	2 = TOD
27 - Vehicle Call Phase 3	VC3	2 = TOD	76 - Max Plan 4	MP4	2 = TOD
28 - Vehicle Call Phase 4	VC4	2 = TOD	77 - Max Plan 5	MP5	2 = TOD
29 - Vehicle Call Phase 5	VC5	2 = TOD	78 - Max Plan 6	MP6	2 = TOD
30 - Vehicle Call Phase 6	VC6	2 = TOD	79 - Max Plan 7	MP7	2 = TOD
31 - Vehicle Call Phase 7	VC7	2 = TOD	80 - Max Plan 8	MP8	2 = TOD
32 - Vehicle Call Phase 8	VC8	2 = TOD	81 - Transit Priority Max Group 1	TG1	2 = TOD
33 - Ped Call Phase 1	PC1	2 = TOD	82 - Transit Priority Max Group 2	TG2	2 = TOD
34 - Ped Call Phase 2	PC2	2 = TOD	83 - Transit Priority Max Group 3	TG3	2 = TOD
35 - Ped Call Phase 3	PC3	2 = TOD	84 - Transit Priority Max Group 4	TG4	2 = TOD
36 - Ped Call Phase 4	PC4	2 = TOD	85 - Transit Priority Max Group 5	TG5	2 = TOD
37 - Ped Call Phase 5	PC5	2 = TOD	86 - Transit Priority Max Group 6	TG6	2 = TOD
38 - Ped Call Phase 6	PC6	2 = TOD	87 - Transit Priority Max Group 7	TG7	2 = TOD
39 - Ped Call Phase 7	PC7	2 = TOD	88 - Transit Priority Max Group 8	TG8	2 = TOD
40 - Ped Call Phase 8	PC8	2 = TOD	89 - Inhibit Gap Reducing 1	GR1	2 = TOD
41 - Phase Omit 1	VO1	2 = TOD	90 - Inhibit Gap Reducing 2	GR2	2 = TOD
42 - Phase Omit 2	VO2	2 = TOD	91 - Inhibit Gap Reducing 3	GR3	2 = TOD
43 - Phase Omit 3	VO3	2 = TOD	92 - Inhibit Gap Reducing 4	GR4	2 = TOD
44 - Phase Omit 4	VO4	2 = TOD	93 - Inhibit Gap Reducing 5	GR5	2 = TOD
45 - Phase Omit 5	VO5	2 = TOD	94 - Inhibit Gap Reducing 6	GR6	2 = TOD
46 - Phase Omit 6	VO6	2 = TOD	95 - Inhibit Gap Reducing 7	GR7	2 = TOD
47 - Phase Omit 7	VO7	2 = TOD	96 - Inhibit Gap Reducing 8	GR8	2 = TOD
48 - Phase Omit 8	VO8	2 = TOD	97 - Lag 1	LG1	2 = TOD
49 - Ped Omit 1	PO1	2 = TOD	98 - Lag 3	LG3	2 = TOD

CIRCUIT OVERRIDES 99 - 196 (Next/2/4/4)

99 - Lag 5	LG5	null	148 - Coord Hold 4	HD4	null
100 - Lag 7	LG8	null	149 - Coord Hold 5	HD5	null
101 - Inhibit Overlap A	OLA	null	150 - Coord Hold 6	HD6	null
102 - Inhibit Overlap B	OLB	null	151 - Coord Hold 7	HD7	null
103 - Inhibit Overlap C	OLC	null	152 - Coord Hold 8	HD8	null
104 - Inhibit Overlap D	OLD	null	153 - PE Priority Return B	PRB	null
105 - Enable Schedule A Phone 1	AT1	null	154 - PE Priority Return C	PRC	null
106 - Enable Schedule A Phone 2	AT2	null	155 - PE Priority Return D	PRD	null
107 - Enable Schedule B Phone 1	BT1	null	156 - PE Priority Return E	PRE	null
108 - Enable Schedule B Phone 2	BT2	null	157 - Platoon Inbound	PPI	null
109 - Enable Schedule C Phone 1	CT1	null	158 - Platoon Outbound	PPO	null
110 - Enable Schedule C Phone 2	CT2	null	159 - Platoon Spl 2	PS2	null
111 - Enable Volume to Call Phone 1	VT1	null	160 - Coord Walk Rest	CWR	null
112 - Enable Volume to Call Phone 1	VT2	null	161 - Dynamic Phase Length Short Inhibit 1	SL1	null
113 - Enable Volume Logging	EVL	null	162 - Dynamic Phase Length Short Inhibit 2	SL2	null
114 - Enable MOE Logging	EML	null	163 - Dynamic Phase Length Short Inhibit 3	SL3	null
115 - Detector Low Threshold Inhibit	DLI	null	164 - Dynamic Phase Length Short Inhibit 4	SL4	null
116 - Detector Continue Presence Inhibit	DPI	null	165 - Dynamic Phase Length Short Inhibit 5	SL5	null
117 - Inhibit Detector Based On Progrmming	IND	null	166 - Dynamic Phase Length Short Inhibit 6	SL6	null
118 - Inhibit Detector Delay	IDD	null	167 - Dynamic Phase Length Short Inhibit 7	SL7	null
119 - Inhibit Conditional Ped	ICP	null	168 - Dynamic Phase Length Short Inhibit 8	SL8	null
120 - Inhibit Transit Priority	ITP	null	169 - Coord Late Left Turn 1	CT1	null
121 - Red Rest Ring 1	RR1	null	170 - Coord Late Left Turn 3	CT3	null
122 - Red Rest Ring 2	RR2	null	171 - Coord Late Left Turn 5	CT5	null
123 - Omit Red Clear Ring 1	OR1	null	172 - Coord Late Left Turn 7	CT7	null
124 - Omit Red Clear Ring 2	OR2	null	173 - Dynamic Phase Length Enable A	DPA	null
125 - Ped Recycle Ring 1	PR1	null	174 - Dynamic Phase Length Enable B	DPB	null
126 - Ped Recycle Ring 2	PR2	null	175 - Dynamic Phase Length Enable C	DPC	null
127 - Enable MOE Log to Call Phone 1	MT1	null	176 - Dynamic Phase Length Enable D	DPD	null
128 - Enable MOE Log to Call Phone 2	MT2	null	177 - Proactive Plan Select Average	PSA	null
129 - Transit Inhibit Short Time 1	IS1	null	178 - Proactive Plan Select Inbound	PSI	null
130 - Transit Inhibit Short Time 2	IS2	null	179 - Proactive Plan Select Outbound	PSO	null
131 - Transit Inhibit Short Time 3	IS3	null	180 - Split Variant Inbound	SVI	null
132 - Transit Inhibit Short Time 4	IS4	null	181 - Split Variant Outbound	SVO	null
133 - Transit Inhibit Short Time 5	IS5	null	182 - Disable Coord Walk Rest Ring 1	WR1	null
134 - Transit Inhibit Short Time 6	IS6	null	183 - Disable Coord Walk Rest Ring 2	WR2	null
135 - Transit Inhibit Short Time 7	IS7	null	184 - Proactive Plan Select New Look	NLK	null
136 - Transit Inhibit Short Time 8	IS8	null	185 - Disable Red Clearance Extension	DRX	null
137 - Enable Transit Priority Logging	ETL	null	186 - Detector Plan Line 1	DL1	null
138 - Disable Flashing Yellow Arrow 1	DF1	null	187 - Detector Plan Line 2	DL2	null
139 - Disable Flashing Yellow Arrow 3	DF3	null	188 - Disable LRT 1 Vertical Flashing Bar	DV1	null
140 - Disable Flashing Yellow Arrow 5	DF5	null	189 - Disable LRT 2 Vertical Flashing Bar	DV2	null
141 - Disable Flashing Yellow Arrow 7	DF7	null	190 - Disable LRT 3 Vertical Flashing Bar	DV3	null
142 - Disable Auto Max	DAM	null	191 - Disable LRT 4 Vertical Flashing Bar	DV4	null
143 - Disable Repeated Phase Service	DRS	null	192 - Datakey Enable	DKE	null
144 - End of Main Street	EMS	null	193 - Dynamic Phase Reversal Enable 1	DR1	null
145 - Coord Hold 1	HD1	null	194 - Dynamic Phase Reversal Enable 2	DR2	null
146 - Coord Hold 2	HD2	null	195 - Dynamic Phase Reversal Enable 3	DR3	null
147 - Coord Hold 3	HD3	null	196 - Dynamic Phase Reversal Enable 4	DR4	null

PREEMPTION SEQUENCE 1 - 4 (Next/2/5)

Seq	Interval	Instruction	Phases Serviced	Interval Time	Hold On Input	Output On	Output Mode
1	1	0	- 2 - - 5 - - -	10	On	- - - - - - - -	0
	2	99	- 2 - - - 6 - -	0	Off	- - - - - - - -	0
	3	0	- - - - - - - -	0	Off	- - - - - - - -	0
	4	0	- - - - - - - -	0	Off	- - - - - - - -	0
	5	0	- - - - - - - -	0	Off	- - - - - - - -	0
	6	0	- - - - - - - -	0	Off	- - - - - - - -	0
	7	0	- - - - - - - -	0	Off	- - - - - - - -	0
	8	0	- - - - - - - -	0	Off	- - - - - - - -	0
	9	0	- - - - - - - -	0	Off	- - - - - - - -	0
	10	0	- - - - - - - -	0	Off	- - - - - - - -	0
2	1	0	- - - 4 - - - -	10	On	- - - - - - - -	0
	2	99	- - - - - - - -	0	Off	- - - - - - - -	0
	3	0	- - - - - - - -	0	Off	- - - - - - - -	0
	4	0	- - - - - - - -	0	Off	- - - - - - - -	0
	5	0	- - - - - - - -	0	Off	- - - - - - - -	0
	6	0	- - - - - - - -	0	Off	- - - - - - - -	0
	7	0	- - - - - - - -	0	Off	- - - - - - - -	0
	8	0	- - - - - - - -	0	Off	- - - - - - - -	0
	9	0	- - - - - - - -	0	Off	- - - - - - - -	0
	10	0	- - - - - - - -	0	Off	- - - - - - - -	0
3	1	0	1 - - - - 6 - -	10	On	- - - - - - - -	0
	2	99	- 2 - - - 6 - -	0	Off	- - - - - - - -	0
	3	0	- - - - - - - -	0	Off	- - - - - - - -	0
	4	0	- - - - - - - -	0	Off	- - - - - - - -	0
	5	0	- - - - - - - -	0	Off	- - - - - - - -	0
	6	0	- - - - - - - -	0	Off	- - - - - - - -	0
	7	0	- - - - - - - -	0	Off	- - - - - - - -	0
	8	0	- - - - - - - -	0	Off	- - - - - - - -	0
	9	0	- - - - - - - -	0	Off	- - - - - - - -	0
	10	0	- - - - - - - -	0	Off	- - - - - - - -	0
4	1	0	- - - - - - - 8	10	On	- - - - - - - -	0
	2	99	- - - - - - - -	0	Off	- - - - - - - -	0
	3	0	- - - - - - - -	0	Off	- - - - - - - -	0
	4	0	- - - - - - - -	0	Off	- - - - - - - -	0
	5	0	- - - - - - - -	0	Off	- - - - - - - -	0
	6	0	- - - - - - - -	0	Off	- - - - - - - -	0
	7	0	- - - - - - - -	0	Off	- - - - - - - -	0
	8	0	- - - - - - - -	0	Off	- - - - - - - -	0
	9	0	- - - - - - - -	0	Off	- - - - - - - -	0
	10	0	- - - - - - - -	0	Off	- - - - - - - -	0

Instructions -
0 = service phases
1 - 9 = special intervals 1 - 9
10 = service phase, allow FYA
15 = serve PE if PE phase is green
90 = go to all red
91 = soft flash on
92 = soft flash off
93 = enable peds and phases
94 = disable peds
95 = priority return
96 = enable coord with ped
97 = enable coord without ped
98 = return with no calls
99 = return with vehicle calls
100 = jump to step in interval time
101 = use interval time as resetable gap timer

Instructions cont.-
200 = light rail train phase with out peds
201 = light rail train phase with peds
202 = return to highest queue / delay phase
(this uses the dynamic phase length back detectors)

Phases Serviced - phases 1 - 8

Interval Time - 0 - 255 sec or interval 1 - 10

Hold on Input - X = on

Outputs On - output 1 - 8

Output Modes -
0 = all steady on
1 = all flash together
2 = odd flashes WIG, even flashes WAG
3 = 1 - 4 steady on, 5 - 8 all flash together

SEQUENCE TIMING (Next/2/5/0)

	Sequence	1	2	3	4	5	6	7	8	
	Input Memory									X = on
	Input Priority	6	6	6	6	0	0	0	0	0 = lowest, - 8 = highest
Entry (Transition) Parameters	Min Green	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec 0.0 would time the normal function time
	Walk	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	
	Ped Clear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Overlap Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec
	Overlap Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Delay to Preempt	0	0	0	0	0	0	0	0	0 - 255 sec
	Delay Ped Omit	0	0	0	0	0	0	0	0	
	Delay Phase Omit	0	0	0	0	0	0	0	0	
	Min Reservice	0	0	0	0	0	0	0	0	0 - 255 min
	Overlap Inhibits	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
Entry (Transition) Parameters	Exit to Coord Plan Offset by X	0	0	0	0	0	0	0	0	0 - 20
	Exit Coord Plan Time	0	0	0	0	0	0	0	0	0 - 60 min
	Exit to Max Plan	0	0	0	0	0	0	0	0	0 - 8
	Exit Free Time	0	0	0	0	0	0	0	0	0 - 60 min
	Override Time	0	0	0	0	0	0	0	0	
	Fail Time	0	0	0	0	0	0	0	0	
	Exit Mode Time	0	0	0	0	0	0	0	0	

PRIORITY RETURN AND SPECIAL INTERVALS (Next/2/5/0/6, Next/2/5/9)

	Phase / Overlap	1	2	3	4	5	6	7	8	A	B	C	D	
Priority Return	Enable	Off												
	A (max)	0	0	0	0	0	0	0	0					0 - 100% of currently used max
	B (max)	0	0	0	0	0	0	0	0					
	C (max)	0	0	0	0	0	0	0	0					
	D (max)	0	0	0	0	0	0	0	0					
	E (max)	0	0	0	0	0	0	0	0					
	Ped Clear	0	0	0	0	0	0	0	0					0 - 100% of currently used ped clearance
Queue Delay Recovery		0	0	0	0	0	0	0	0					0 - 255 sec
Special Intervals	1	0	0	0	0	0	0	0	0	0	0	0	0	0 = Dark 1 = green don't walk 2 = green walk 3 = green flashing don't walk 4 = yellow 5 = red 6 = flashing yellow WIG 7 = flashing yellow WAG 8 = flashing red WIG 9 = flashing red WAG 10 = walk only 11=flashing don't walk only
	2	0	0	0	0	0	0	0	0	0	0	0	0	
	3	0	0	0	0	0	0	0	0	0	0	0	0	
	4	0	0	0	0	0	0	0	0	0	0	0	0	
	5	0	0	0	0	0	0	0	0	0	0	0	0	
	6	0	0	0	0	0	0	0	0	0	0	0	0	
	7	0	0	0	0	0	0	0	0	0	0	0	0	
	8	0	0	0	0	0	0	0	0	0	0	0	0	
	9	0	0	0	0	0	0	0	0	0	0	0	0	

LIGHT RAIL TRAIN (Next/2/5/0/7)

Light Rail Train	1	2	3	4	
Associated Preempt	0	0	0	0	0 = none, preempt 1 - 8
Time to Green	0	0	0	0	0 - 255 sec
Horizontal Bar Flash Time	0.0	0.0	0.0	0.0	
Vertical Bar Flash Time	0.0	0.0	0.0	0.0	0.0 - 25.5 sec
Min Duration	0	0	0	0	0 - 255 sec

COMMUNICATION DATA (Next/2/6)

1st Central Phone Number		2nd Central Phone Number	

Modem Setup String	
Intersection Name	
Central Port	6 = UDP/AB3418/C14S
System Mode	0
System Port	0

System ID	22	Local ID	1	IP Address	192.169.21.15
				Gateway Address	.....

Serial Port Parameters	Baud Rates	Flow Control
Port1 (Slot A2 Upper)	0 = 1200	On
Port2 (Slot A2 Lower)	0 = 1200	On
Port3 (Slot A1 Upper)	0 = 1200	Off
Port4 (Slot A1 :pwer pr C50S)	2 = 9600	

0 = 1200, 1 = 2400, 2 = 9600, 3 = 19200 baud

COMMUNICATION REPORTS (Next/2/6/6, Next/2/6/7)

Volume Log Period	15	MOE Log Period	15

0 = disabled, 1,2,3,4,5,6,10,12,15,20,30,60 minutes

Alarm 1	0 = none	Soft Flash	0 = none
Alarm 2	0 = none	Manual Control Enable (MCE)	0 = none
Alarm 3	0 = none	Emergency or Railroad Preempt	1 = schedule A
Alarm 4	0 = none	Not Used	
Alarm 5	0 = none	Cycle Failure	0 = none
Not Used		Coordination Failure	0 = none
Not Used		Keyboard use /Data Changed	0 = none
Not Used		Coord Running / Free	0 = none
Power On / Off	0 = none	Cabinet Door	0 = none
Checksum Failure	0 = none	Not Used	
Video / Detector Failure	0 = none	Monitor Status	0 = none
Not Used			

0 = none; 1 = schedule A; 2 = schedule B
3 = schedule C; 4 = schedule R

TRANSIT PRIORITY (Next/2/7)									
	1	2	3	4	5	6	7	8	
Phases	2	4	6	8	NONE	NONE	NONE	NONE	Phases 1 - 8 (max of 2 compatible phases)
PE Enable (6.25Hz TP call on PE)	X	X	X	X	X	X	X	X	X = 6.25 Hz signal will activate TP
Priority	1	0	1	0	1	1	1	1	0 - 8, 8 = highest
Memory									X = on
Delay Time	0	0	0	0	0	0	0	0	0 - 255 sec
Minimum Reservice Time (per input)	5	0	5	0	0	0	0	0	0 - 255 min
Override Time	0	0	0	0	0	0	0	0	0 - 255 sec
Bus Extend	0	0	0	0	0	0	0	0	0 - 255 min
Minimum Reservice Time (all inputs)	0	0 - 255 min							
Free Operation Mode	0	0 = use shortest of max 1 or 2, 1 - 8 = use max time of group 1 - 8, 9 = use time of day circuit							

TRANSIT PRIORITY ALTERNATE FORCE OFF PLANS (Next/2/7/6)									
Current Coord Plan	1	2	3	4	5	6	7	8	0 = none 17 - 32 = coord plan 17 - 32
Alternate TP Force Off Plan	21	22	23	24	0	0	0	28	
Current Coord Plan	9	10	11	12	13	14	15	16	
Alternate TP Force Off Plan	0	0	0	0	0	0	0	0	

GROUP TIMING (Next/2/7/5)										
	Phase -->	1	2	3	4	5	6	7	8	
Group 1	Max Times	7	0	0	15	7	0	0	15	0 - 255 sec 0 would time the normal function time
	Walk Times	0	0	0	4	0	0	0	4	
Group 2	Max Times	7	0	0	14	7	0	0	14	
	Walk Times	0	0	0	4	0	0	0	4	
Group 3	Max Times	7	0	0	14	7	0	0	14	
	Walk Times	0	0	0	4	0	0	0	4	
Group 4	Max Times	11	0	0	12	11	0	0	12	
	Walk Times	0	0	0	4	0	0	0	4	
Group 5	Max Times	0	0	0	0	0	0	0	0	
	Walk Times	0	0	0	0	0	0	0	0	
Group 6	Max Times	0	0	0	0	0	0	0	0	
	Walk Times	0	0	0	0	0	0	0	0	
Group 7	Max Times	7	0	0	14	7	0	0	14	
	Walk Times	0	0	0	4	0	0	0	4	
Group 8	Max Times	0	0	0	0	0	0	0	0	
	Walk Times	0	0	0	0	0	0	0	0	

TRUCK PRIORITY (Next/2/7/9)					
Truck Priority -->	1	2	3	4	
Associated Transit Priority	0	0	0	0	0 = none 1 - 8 = transit priority 1 - 8
Leading Detector	0	0	0	0	0 = none, 1 - 32 = detector 1 - 32
Trailling Detector	0	0	0	0	
Stop Bar Distance	0	0	0	0	0 - 999 feet
ATrap Distance	0.0	0.0	0.0	0.0	0.0 - 25.5 feet
Minimum Speed	0	0	0	0	0 - 100 mph
Minimum Length	0	0	0	0	0 - 255 feet
Downhill Grade (%)	0	0	0	0	0 - 20%
Uphill Grade (%)	0	0	0	0	
Undersized Vehicle					X = Enabled

170 INPUTS (Next/2/8/1)

C1-39	101 - Veh Detector 9	C1-67	22 - Ped Detector 2
C1-40	113 - Veh Detector 19	C1-68	26 - Ped Detector 6
C1-41	106 - Veh Detector 14	C1-69	165 - Veh Detector 29
C1-42	118 - Veh Detector 24	C1-70	167 - Veh Detector 31
C1-43	102 - Veh Detector 10	C1-71	151 - Preempt In 1
C1-44	114 - Veh Detector 20	C1-72	152 - Preempt In 2
C1-45	107 - Veh Detector 15	C1-73	153 - Preempt In 3
C1-46	161 - Veh Detector 25	C1-74	154 - Preempt In 4
C1-47	105 - Veh Detector 13	C1-75	254 - Pin Not Used
C1-48	117 - Veh Detector 23	C1-76	104 - Veh Detector 12
C1-49	112 - Veh Detector 18	C1-77	116 - Veh Detector 22
C1-50	164 - Veh Detector 28	C1-78	111 - Veh Detector 17
C1-51	199 - LRT Ped Inhibit	C1-79	163 - Veh Detector 27
C1-52	155 - Preempt In 5	C1-80	82 - Interval Advance
C1-53	85 - Manual Control Enable	C1-81	137 - Conflict Monitor Status/Flash
C1-54	254 - Pin Not Used	C1-82	62 - Stop Timing Ring 1
C1-55	15 - Veh Detector 5	C11-15	254 - Pin Not Used
C1-56	11 - Veh Detector 1	C11-16	254 - Pin Not Used
C1-57	17 - Veh Detector 7	C11-17	254 - Pin Not Used
C1-58	13 - Veh Detector 3	C11-18	254 - Pin Not Used
C1-59	16 - Veh Detector 6	C11-19	254 - Pin Not Used
C1-60	12 - Veh Detector 2	C11-20	254 - Pin Not Used
C1-61	18 - Veh Detector 8	C11-21	254 - Pin Not Used
C1-62	14 - Veh Detector 4	C11-22	254 - Pin Not Used
C11-10	254 - Pin Not Used	C11-23	254 - Pin Not Used
C11-11	254 - Pin Not Used	C11-24	254 - Pin Not Used
C11-12	254 - Pin Not Used	C11-25	254 - Pin Not Used
C11-13	254 - Pin Not Used	C11-26	254 - Pin Not Used
C1-63	103 - Veh Detector 11	C11-27	254 - Pin Not Used
C1-64	115 - Veh Detector 21	C11-28	254 - Pin Not Used
C1-65	108 - Veh Detector 16	C11-29	254 - Pin Not Used
C1-66	162 - Veh Detector 26	C11-30	254 - Pin Not Used

INPUTS AND OUTPUTS OPTIONS (Next/2/8/3)

Connector Type	C1/C11	Change I/O	1 = Enabled
0 = C1/C11; 1 = MS-A/B/C/D; 2 = TS2 Port		X = On (After a download without a power on - off cycle)	

170 OUTPUTS (Next/2/8/2)			
C1-2	44 - Don't Walk, Ph 4	C1-35	131 - TOD Output 1
C1-3	64 - Walk, Ph 4	C1-36	132 - TOD Output 2
C1-4	14 - Red, Ph 4	C1-37	133 - TOD Output 3
C1-5	24 - Yellow, Ph 4	C1-38	134 - TOD Output 4
C1-6	34 - Green, Ph 4	C1-100	53 - Ped Clear, Ph 3
C1-7	13 - Red, Ph 3	C1-101	51 - Ped Clear, Ph 1
C1-8	23 - Yellow, Ph 3	C1-102	187 - Soft Flash
C1-9	215 - FYLTA, 1	C1-103	147 - Watchdog
C1-10	42 - Don't Walk, Ph 2	C1-83	43 - Don't Walk, Ph 3
C1-11	62 - Walk, Ph 2	C1-84	63 - Walk, Ph 3
C1-12	12 - Red, Ph 2	C1-85	116 - Overlap D, Red
C1-13	22 - Yellow, Ph 2	C1-86	115 - Overlap D, Yellow
C1-15	32 - Green, Ph 2	C1-87	114 - Overlap D, Green
C1-16	11 - Red, Ph 1	C1-88	113 - Overlap C, Red
C1-17	221 - FYLTA CLR, 1	C1-89	112 - Overlap C, Yellow
C1-18	31 - Green, Ph 1	C1-90	111 - Overlap C, Green
C1-19	48 - Don't Walk, Ph 8	C1-91	41 - Don't Walk, Ph 1
C1-20	68 - Walk, Ph 8	C1-93	61 - Walk, Ph 1
C1-21	18 - Red, Ph 8	C1-94	106 - Overlap B, Red
C1-22	28 - Yellow, Ph 8	C1-95	105 - Overlap B, Yellow
C1-23	38 - Green, Ph 8	C1-96	104 - Overlap B, Green
C1-24	17 - Red, Ph 7	C1-97	103 - Overlap A, Red
C1-25	27 - Yellow, Ph 7	C1-98	102 - Overlap A, Yellow
C1-26	217 - FYLTA, 5	C1-99	101 - Overlap A, Green
C1-27	46 - Don't Walk, Ph 6	C11-1	254 - Pin Not Used
C1-28	66 - Walk, Ph 6	C11-2	254 - Pin Not Used
C1-29	16 - Red, Ph 6	C11-3	254 - Pin Not Used
C1-30	26 - Yellow, Ph 6	C11-4	254 - Pin Not Used
C1-31	36 - Green, Ph 6	C11-5	254 - Pin Not Used
C1-32	15 - Red, Ph 5	C11-6	254 - Pin Not Used
C1-33	223 - FYLTA CLR, 5	C11-7	254 - Pin Not Used
C1-34	35 - Green, Ph 5	C11-8	254 - Pin Not Used

INTERNAL LOGIC 1 - 96 (Next/2/9)					
Step	Inst.	Comment	Step	Inst.	Comment
1	206		49	215	
2	24		50	88	
3	22		51	30	
4	165		52	4	
5	20		53	209	
6	24		54	1	
7	21		55	22	
8	4		56	24	
9	2		57	208	
10	209		58	5	
11	3		59	20	
12	22		60	24	
13	24		61	26	
14	206		62	1	
15	142		63	208	
16	26		64	7	
17	3		65	40	
18	210		66	24	
19	3		67	26	
20	21		68	1	
21	4		69	208	
22	2		70	1	
23	206		71	10	
24	28		72	24	
25	22		73	23	
26	167		74	64	
27	20		75	206	
28	24		76	212	
29	21		77	26	
30	8		78	1	
31	2		79	20	
32	209		80	23	
33	4		81	64	
34	22		82	20	
35	28		83	27	
36	206		84	1	
37	144		85	20	
38	26		86	27	
39	4		87	5	
40	210		88	206	
41	4		89	213	
42	21		90	26	
43	8		91	1	
44	2		92	20	
45	215		93	23	
46	88		94	64	
47	30		95	20	
48	2		96	27	

INTERNAL LOGIC 97 - 192 (Next/2/9)

Step	Inst.	Comment	Step	Inst.	Comment
97	1		145	40	
98	20		146	24	
99	27		147	26	
100	7		148	2	
101	20		149	208	
102	24		150	2	
103	27		151	10	
104	5		152	24	
105	206		153	23	
106	214		154	68	
107	26		155	206	
108	1		156	215	
109	20		157	26	
110	23		158	2	
111	64		159	20	
112	20		160	23	
113	27		161	68	
114	1		162	20	
115	20		163	27	
116	24		164	2	
117	27		165	20	
118	7		166	27	
119	208		167	6	
120	3		168	206	
121	100		169	216	
122	21		170	26	
123	4		171	2	
124	2		172	20	
125	210		173	23	
126	1		174	68	
127	27		175	20	
128	3		176	27	
129	20		177	2	
130	21		178	20	
131	4		179	27	
132	3		180	8	
133	209		181	20	
134	2		182	24	
135	22		183	27	
136	28		184	6	
137	208		185	206	
138	6		186	217	
139	20		187	26	
140	24		188	2	
141	26		189	20	
142	2		190	23	
143	208		191	68	
144	8		192	20	

INTERNAL LOGIC 193 - 256 (Next/2/9)

Step	Inst.	Comment	Step	Inst.	Comment
193	27		241	0	
194	2		242	0	
195	20		243	0	
196	24		244	0	
197	27		245	0	
198	8		246	0	
199	208		247	0	
200	4		248	0	
201	100		249	0	
202	21		250	0	
203	8		251	0	
204	2		252	0	
205	210		253	0	
206	2		254	0	
207	27		255	0	
208	4		256	0	
209	20				
210	21				
211	8				
212	3				
213	0				
214	0				
215	0				
216	0				
217	0				
218	0				
219	0				
220	0				
221	0				
222	0				
223	0				
224	0				
225	0				
226	0				
227	0				
228	0				
229	0				
230	0				
231	0				
232	0				
233	0				
234	0				
235	0				
236	0				
237	0				
238	0				
239	0				
240	0				

CONTROLLER ID

Manufacturer ID	NORTHWEST SIGNAL
Model ID	Voyage-0 v04.01.00
Protocol Revision ID	AB3418E V1