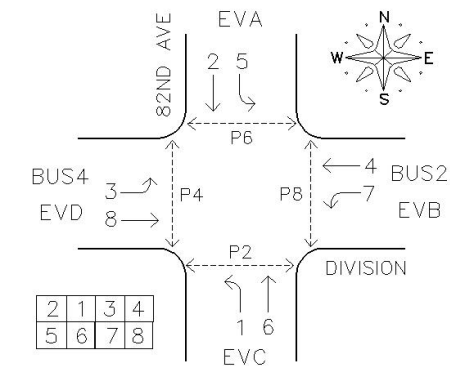


Intersection Name: 82nd Avenue @ Division  
Controller 4109.2 Channel: 212 Drop: 23  
System: TransCore TransSuite TCS  
Controller Type: Voyage  
Revision - Version -  
TransCore Unified Controller Manager 8.1.0

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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	6.0	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	6.0				

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
1	5	0	2	0	0	0
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	3	4	5	6	7	8
Restricted Phases	-	-	-	-	-	-	-	-
Exclusive Phases	-	-	-	-	-	-	-	-
Yellow Lock	-	-	-	4	5	-	-	8
Min Recall	-	-	-	-	-	-	-	-
Max Recall	-	-	-	-	-	-	-	-
Ped Recall	-	2	-	-	-	6	-	-
Red Lock	-	-	-	-	-	-	-	-
Max Out Recall Inhibit	1	-	3	4	5	-	7	8
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	3	10	3	10	3	10	0 - 255 sec.
Passage	0.5	1.0	0.5	1.2	2.0	1.0	0.5	1.3	0.0 - 25.5 sec.
Yellow	3.0	3.6	3.0	3.6	3.0	3.6	3.0	3.6	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	11	40	13	35	13	40	13	35	0 - 255 sec.
Max 2	11	40	13	35	13	40	13	35	0 - 255 sec.
Walk	0	4	0	5	0	4	0	5	0 - 255 sec.
Ped Clear	0	20	0	15	0	20	0	15	0 - 255 sec.
Seconds Per Actuation	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0 - 25.5 sec.
Time Before Reduction	0	0	0	0	0	0	0	0	0 - 255 sec.
Time to Reduce	0	0	0	0	0	0	0	0	0 - 255 sec.
Minimum Gap	0.5	1.0	0.5	1.2	2.0	1.0	0.5	1.3	0.0 - 25.5 sec.
Max Variable Initial	3	10	3	12	3	10	3	12	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	6	6	8	8	2	2	4	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	2.2	0
3				3	3	0	0	0.0	0
4				3	3	0	0	2.2	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	2.2	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				0	2	0	0	0.0	0
13				2	0	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				0	4	0	0	0.0	0
18				4	0	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				0	6	0	0	0.0	0
23				6	0	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				0	8	0	0	0.0	0
28				8	0	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	1	5	0
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	4	3	4	3				
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		A - D 0 = no overlap 1 = overlap 2 = 60 FPM 3 = Not ped ov 4 = Comp Pha 5 = Prevent Ex 6 = Not Vehicle
		1	2	3	4	5	6	7	8		Yellow	Red	
A		0	0	0	0	0	0	0	0	0.0	0.0	0.0	E - L 0 = no Overlap 1 = Overlap  Green, Yellow, 0.0 - 25.5 sec
B		0	0	0	0	0	0	0	0	0.0	0.0	0.0	
C		0	0	0	0	0	0	0	0	0.0	0.0	0.0	
D		0	0	0	0	0	0	0	0	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	

(Next/2/2/8/6/8)		Ped Overlaps (Next/2/2/8/5)					
Overlap	Not Ped-Ped Overlaps	Ped Overlap	Phase	Walk	Ped Clear	Walk, Ped Clear 0 - 255 seconds	
A	- - - - -	A	- - - - -	0	0		
B	- - - - -	B	- - - - -	0	0		
C	- - - - -	C	- - - - -	0	0		
D	- - - - -	D	- - - - -	0	0		
		E	- - - - -	0	0		
		F	- - - - -	0	0		
		G	- - - - -	0	0		
		H	- - - - -	0	0		

Flashing Yellow Left Turn Arrow (FYTLA) (Next/2/2/8/6)					
Phase Pairs ->	1 - 2	3 - 4	5 - 6	7 - 8	
Enable	0	0	0	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 /	0	0	0	0	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	0.0	0.0	0.0	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 =
2nd Conditional Overlaps	0	0	0	0	0	0	0	0	OL H, 5 = OL I, 6 = OL J, 7 = OL K, 8 = OL L
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	
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	0	0	0	0	0	0	0	0	0 - 255 sec
Passage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec. or 3.0 - 25.5
Red	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Walk	0	0	0	0	0	0	0	0	0 - 255 sec
Ped Clearance	0	0	0	0	0	0	0	0	0 - 255 sec

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	0	0	0	0	0	0	0	0	0 - 255 sec
Passage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec. or 3.0 - 25.5
Red	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Walk	0	0	0	0	0	0	0	0	0 - 255 sec
Ped Clearance	0	0	0	0	0	0	0	0	0 - 255 sec

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	0	0	0	0	0	0	0	0	0 - 255 sec
Passage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec. or 3.0 - 25.5
Red	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Walk	0	0	0	0	0	0	0	0	0 - 255 sec
Ped Clearance	0	0	0	0	0	0	0	0	0 - 255 sec

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	0	0	0	0	0	0	0	0	0 - 255 sec
Passage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec. or 3.0 - 25.5
Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
Walk	0	0	0	0	0	0	0	0	0 - 255 sec
Ped Clearance	0	0	0	0	0	0	0	0	0 - 255 sec

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

	Phase ->	1	2	3	4	5	6	7	8
	Call Mode	0	0	0	0	0	0	0	0
Service Plan 5	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	0	0	0	0	0	0	0	0 - 255 sec
	Passage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
	Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
	Walk	0	0	0	0	0	0	0	0 - 255 sec
	Ped Clearance	0	0	0	0	0	0	0	0 - 255 sec

	Call Mode	0	0	0	0	0	0	0	0
	Call Mode	0	0	0	0	0	0	0	0
Service Plan 6	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	0	0	0	0	0	0	0	0 - 255 sec
	Passage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
	Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
	Walk	0	0	0	0	0	0	0	0 - 255 sec
	Ped Clearance	0	0	0	0	0	0	0	0 - 255 sec

	Call Mode	0	0	0	0	0	0	0	0
	Call Mode	0	0	0	0	0	0	0	0
Service Plan 7	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	0	0	0	0	0	0	0	0 - 255 sec
	Passage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
	Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
	Walk	0	0	0	0	0	0	0	0 - 255 sec
	Ped Clearance	0	0	0	0	0	0	0	0 - 255 sec

	Call Mode	0	0	0	0	0	0	0	0
	Call Mode	0	0	0	0	0	0	0	0
Service Plan 8	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	0	0	0	0	0	0	0	0 - 255 sec
	Passage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
	Yellow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec. or 3.0 - 25.5
	Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 - 25.5 sec.
	Walk	0	0	0	0	0	0	0	0 - 255 sec
	Ped Clearance	0	0	0	0	0	0	0	0 - 255 sec



### Max Plans (Next/2/2/7)

	Phase->	1	2	3	4	5	6	7	8	
MaxPlan 1	Normal Max	0	0	0	0	0	10	0	0	0 - 255 sec
	Fail Max	0	0	0	0	0	0	0	0	
MaxPlan 2	Normal Max	0	0	0	0	0	0	0	0	0 - 255 sec
	Fail Max	0	0	0	0	0	0	0	0	
MaxPlan 3	Normal Max	0	0	0	0	0	0	0	0	0 - 255 sec
	Fail Max	0	0	0	0	0	0	0	0	
MaxPlan 4	Normal Max	0	0	0	0	0	0	0	0	0 - 255 sec
	Fail Max	0	0	0	0	0	0	0	0	
MaxPlan 5	Normal Max	0	0	0	0	0	0	0	0	0 - 255 sec
	Fail Max	0	0	0	0	0	0	0	0	
MaxPlan 6	Normal Max	0	0	0	0	0	0	0	0	0 - 255 sec
	Fail Max	0	0	0	0	0	0	0	0	
MaxPlan 7	Normal Max	0	0	0	0	0	0	0	0	0 - 255 sec
	Fail Max	0	0	0	0	0	0	0	0	
MaxPlan 8	Normal Max	0	0	0	0	0	0	0	0	0 - 255 sec
	Fail Max	0	0	0	0	0	0	0	0	
	Phase->	1	2	3	4	5	6	7	8	0 = use max1 / max2
	Max Mode	0	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	3	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	68	0	0	1	0
2	2	6	100	60	0	0	2	0
3	2	6	100	72	0	0	3	0
4	2	6	75	14	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	2	6	100	74	0	0	7	0
8	0	0	0	0	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	88	0	0	0	0
22	2	6	100	80	0	0	0	0
23	2	6	100	92	0	0	0	0
24	2	6	75	34	0	0	0	0
25	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0
27	2	6	100	94	0	0	0	0
28	0	0	0	0	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	X	34	0	50	77	92	34	50	77	0	14
2	X	32	0	55	79	92	32	50	75	0	12
3	X	33	0	48	76	93	33	47	78	0	13
4	X	68	0	32	57	68	0	32	57	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	X	33	0	50	77	92	33	50	77	0	13
8		0	0	0	0	0	0	0	0	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	0	0	32	0	0	0	32	0	0
22		0	0	0	30	0	0	0	30	0	0
23		0	0	0	33	0	0	0	33	0	0
24		0	0	0	30	0	0	0	30	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	32	0	0	0	32	0	0
28		0	0	0	0	0	0	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	81	0	0	0	0	0	0
2	2	97	82	0	0	0	0	0	0
3	3	97	83	0	0	0	0	0	0
4	4	84	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	7	97	87	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	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	1	CL1	
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	09:00	Coord Plan	1	CL1	
7	2	15:00	Coord Plan	3	CL4	
8	2	19:00	Coord Plan	7	SFL	
9	2	22:00	Coord Plan	4	CL8	
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							

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

[illegible]

## 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 Progmring	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	Instructions -
1	1	0	- 2 - - 5 - - -	10	On	- - - - - 0	0	0 = service phases
	2	98	- - - - - - - -	0	Off	- - - - - 0	0	1 - 9 = special intervals 1 - 9
	3	0	- - - - - - - -	0	Off	- - - - - 0	0	10 = service phase, allow FYA
	4	0	- - - - - - - -	0	Off	- - - - - 0	0	15 = serve PE if PE phase is green
	5	0	- - - - - - - -	0	Off	- - - - - 0	0	90 = go to all red
	6	0	- - - - - - - -	0	Off	- - - - - 0	0	91 = soft flash on
	7	0	- - - - - - - -	0	Off	- - - - - 0	0	92 = soft flash off
	8	0	- - - - - - - -	0	Off	- - - - - 0	0	93 = enable peds and phases
	9	0	- - - - - - - -	0	Off	- - - - - 0	0	94 = disable peds
	10	0	- - - - - - - -	0	Off	- - - - - 0	0	95 = priority return
2	1	0	- - - 4 - - 7 -	10	On	- - - - - 0	0	96 = enable coord with ped
	2	98	- - - - - - - -	0	Off	- - - - - 0	0	97 = enable coord without ped
	3	0	- - - - - - - -	0	Off	- - - - - 0	0	98 = return with no calls
	4	0	- - - - - - - -	0	Off	- - - - - 0	0	99 = return with vehicle calls
	5	0	- - - - - - - -	0	Off	- - - - - 0	0	100 = jump to step in interval time
	6	0	- - - - - - - -	0	Off	- - - - - 0	0	101 = use interval time as resettable gap timer
	7	0	- - - - - - - -	0	Off	- - - - - 0	0	Instructions cont.-
	8	0	- - - - - - - -	0	Off	- - - - - 0	0	200 = light rail train phase with out peds
	9	0	- - - - - - - -	0	Off	- - - - - 0	0	201 = light rail train phase with peds
	10	0	- - - - - - - -	0	Off	- - - - - 0	0	202 = return to highest queue / delay phase (this uses the dynamic phase length back detectors)
3	1	0	1 - - - - 6 - -	10	On	- - - - - 0	0	Phases Serviced - phases 1 - 8
	2	98	- - - - - - - -	0	Off	- - - - - 0	0	Interval Time - 0 - 255 sec or interval 1 - 10
	3	0	- - - - - - - -	0	Off	- - - - - 0	0	Hold on Input - X = on
	4	0	- - - - - - - -	0	Off	- - - - - 0	0	Outputs On - output 1 - 8
	5	0	- - - - - - - -	0	Off	- - - - - 0	0	Output Modes -
	6	0	- - - - - - - -	0	Off	- - - - - 0	0	0 = all steady on
	7	0	- - - - - - - -	0	Off	- - - - - 0	0	1 = all flash together
	8	0	- - - - - - - -	0	Off	- - - - - 0	0	2 = odd flashes WIG, even flashes WAG
	9	0	- - - - - - - -	0	Off	- - - - - 0	0	3 = 1 - 4 steady on, 5 - 8 all flash together
	10	0	- - - - - - - -	0	Off	- - - - - 0	0	
4	1	0	- - 3 - - - - 8	10	On	- - - - - 0	0	
	2	98	- - - - - - - -	0	Off	- - - - - 0	0	
	3	0	- - - - - - - -	0	Off	- - - - - 0	0	
	4	0	- - - - - - - -	0	Off	- - - - - 0	0	
	5	0	- - - - - - - -	0	Off	- - - - - 0	0	
	6	0	- - - - - - - -	0	Off	- - - - - 0	0	
	7	0	- - - - - - - -	0	Off	- - - - - 0	0	
	8	0	- - - - - - - -	0	Off	- - - - - 0	0	
	9	0	- - - - - - - -	0	Off	- - - - - 0	0	
	10	0	- - - - - - - -	0	Off	- - - - - 0	0	



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	27	IP Address	192.169.41.9
				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		60		MOE Log Period	60
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	NONE	4	NONE	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	1	1	1	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 Reserve Time (per input)	0	5	0	5	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 Reserve 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	27	0	
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	8	19	13	0	7	20
	Walk Times	0	0	0	4	0	0	0	4
Group 2	Max Times	7	0	7	17	17	0	7	17
	Walk Times	0	0	0	4	0	0	0	4
Group 3	Max Times	7	0	9	19	15	0	8	20
	Walk Times	0	0	0	4	0	0	0	4
Group 4	Max Times	14	0	6	13	14	0	6	13
	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	8	19	14	0	7	20
	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
Trailing 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	24 - Ped Detector 4
C1-42	118 - Veh Detector 24	C1-70	28 - Ped Detector 8
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	33 - Green, Ph 3	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	21 - Yellow, Ph 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	37 - Green, Ph 7	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	25 - Yellow, Ph 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	209		49	20	
2	1		50	24	
3	22		51	27	
4	24		52	5	
5	208		53	206	
6	5		54	214	
7	20		55	26	
8	24		56	1	
9	26		57	20	
10	1		58	23	
11	208		59	64	
12	7		60	20	
13	40		61	27	
14	24		62	1	
15	26		63	20	
16	1		64	24	
17	208		65	27	
18	1		66	7	
19	10		67	208	
20	24		68	3	
21	23		69	100	
22	64		70	21	
23	206		71	4	
24	212		72	2	
25	26		73	210	
26	1		74	1	
27	20		75	27	
28	23		76	3	
29	64		77	20	
30	20		78	21	
31	27		79	4	
32	1		80	3	
33	20		81	209	
34	27		82	2	
35	5		83	22	
36	206		84	28	
37	213		85	208	
38	26		86	6	
39	1		87	20	
40	20		88	24	
41	23		89	26	
42	64		90	2	
43	20		91	208	
44	27		92	8	
45	1		93	40	
46	20		94	24	
47	27		95	26	
48	7		96	2	

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

Step	Inst.	Comment	Step	Inst.	Comment
97	208		145	27	
98	2		146	8	
99	10		147	208	
100	24		148	4	
101	23		149	100	
102	68		150	21	
103	206		151	8	
104	215		152	2	
105	26		153	210	
106	2		154	2	
107	20		155	27	
108	23		156	4	
109	68		157	20	
110	20		158	21	
111	27		159	8	
112	2		160	3	
113	20		161	0	
114	27		162	0	
115	6		163	0	
116	206		164	0	
117	216		165	0	
118	26		166	0	
119	2		167	0	
120	20		168	0	
121	23		169	0	
122	68		170	0	
123	20		171	0	
124	27		172	0	
125	2		173	0	
126	20		174	0	
127	27		175	0	
128	8		176	0	
129	20		177	0	
130	24		178	0	
131	27		179	0	
132	6		180	0	
133	206		181	0	
134	217		182	0	
135	26		183	0	
136	2		184	0	
137	20		185	0	
138	23		186	0	
139	68		187	0	
140	20		188	0	
141	27		189	0	
142	2		190	0	
143	20		191	0	
144	24		192	0	



CONTROLLER ID
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<b>Manufacturer ID</b>	NORTHWEST SIGNAL
<b>Model ID</b>	Voyage-0 v04.01.00
<b>Protocol Revision ID</b>	AB3418E V1

