



**TMS Engineers, Inc.**



# System Summary Report

## SR 91 / SR 303 Traffic Signal Timing Analysis - Phase 1 Hudson, Ohio

March 3, 2020

Prepared for:  
City of Hudson  
Engineering Department  
1140 Terex Road  
Hudson, Ohio 44236

# SYSTEM SUMMARY REPORT

SR 91 / SR 303  
Traffic Signal Timing Analysis - Phase 1

Hudson, Ohio

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City of Hudson  
Engineering Department  
1140 Terex Road  
Hudson, Ohio 44236

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"This document was prepared consistent with local agency requirements and/or applicable guidelines contained in this report."

# Table of Contents

Chapter 1 Introduction ..... 1-5

- 1.1 Project Overview..... 1
- 1.2 Existing Traffic Signal System Description ..... 4
- 1.3 Study Objectives ..... 5

Chapter 2 Signal System Inspection & Setup ..... 6-18

- 2.1 Pre-Project Conditions ..... 6
- 2.2 Record Drawing Review..... 7
- 2.3 System Detector Communication & On-Street Master Review..... 8
- 2.4 Current Data Collection..... 10
- 2.5 System Detector Traffic Volumes ..... 11
- 2.6 On-Street Master Programming..... 13
- 2.7 Automatic Timing Plan vs TOD/DOW Schedule Timing Plan Analysis ..... 15
- 2.8 Local Controller Coordination Timing Plan Programming ..... 16
- 2.9 Field Adjustments..... 16
- 2.10 Time-of Day, Day-of-Week Schedules ..... 17
- 2.11 System Improvements..... 20

Chapter 3 Recommendation & Conclusions..... 21-22

- 3.1 Recommendations ..... 21
- 3.2 Conclusions ..... 22

## **Appendices**

Appendix A - Existing Geometry and Signal Layout

Appendix B - On-Street Master Controller Data

Appendix C - Local Controller Data

Appendix D - Synchro Coordination Timing Plans

Appendix E - Traffic Responsive Pattern Change Logs

Appendix F - Future Adaptive Signal Improvement Costs

Appendix G - Estimated Re-Timing Improvements

## List of Figures

Figure 1 Location Map ..... 3

## List of Tables

Table 1 - Zone #1 On-Street Master Detector Assignments .....	1
Table 2 - Zone #2 On-Street Master Detector Assignments .....	12
Table 3 - Zone #1 On-Street Master TRP Programming .....	13
Table 4 - Zone #2 On-Street Master TRP Programming .....	14
Table 5 - Zone #1 Time-Of-Day Schedules .....	17
Table 6 - Zone #2 Time-Of-Day Schedules .....	19
Table 7 - SR 91 System Peak Hour Improvements.....	20
Table 8 - SR 303 System Peak Hour Improvements .....	20

# Chapter 1

## Introduction

### 1.1 Project Overview

This project was initially defined to:

1. Provide a survey of the existing conditions of the City of Hudson's traffic signal systems along SR 91 and 303;
2. Provide a set of construction plans to construct additional signal equipment to allow the systems to operate in what is referred to as the Traffic Responsive Timing Plan (TRP) mode. (The TRP mode would allow signal timing plans to be implemented based upon real-time traffic conditions. Signal timing was implemented on a set schedule prior to this project.)
3. Generate newly optimized signal timing using current traffic counts collected for the project that would be implemented as part of the future construction project.

The survey was completed for the project and it was determined that the existing traffic signals already had the necessary equipment to implement a TRP mode. All that would be necessary would be to optimize the signal timing and program all of the traffic signals to run in the manner that the system was designed to do. The project was re-defined to include the implementation of the TRP Mode.

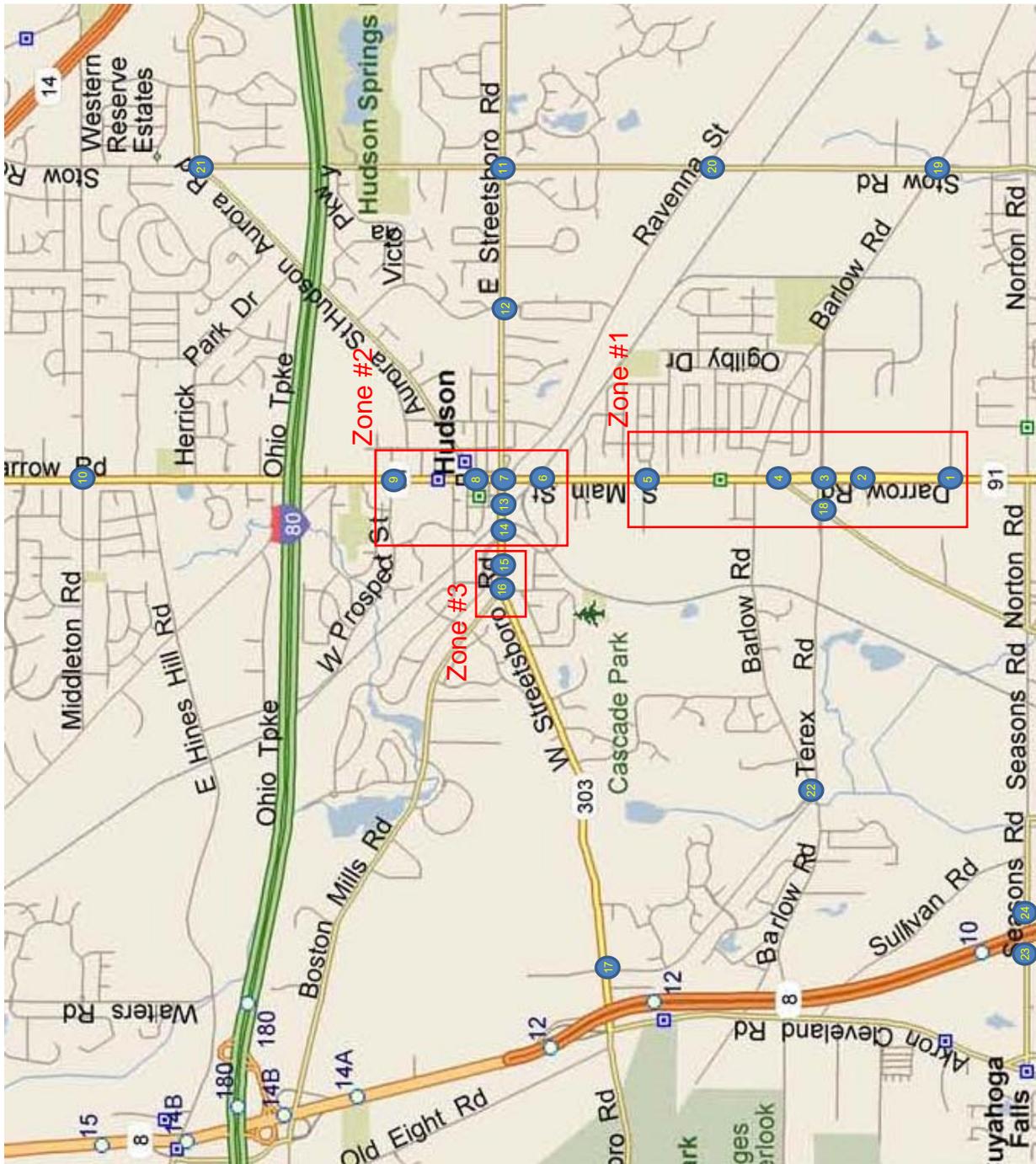
This systems summary report has been prepared for a 2.7 mile section of Main Street / Darrow Road (SR 91) and a 0.5 mile section of Streetsboro Road (SR 303). The study area includes all signalized intersections on North Main Street / Darrow Road (SR 91) between Prospect Street and Georgetown Road. It also includes the signalized intersections on Streetsboro Road from E. Case Drive / Boston Mills to North Main Street. The study involves the implementation of traffic adjusted parameters for three (3) on-street masters and the re-timing of the following thirteen (13) intersections:

1. N. Main Street (SR 91) and Prospect Street (Zone 2)
2. N. Main Street (SR 91) and Aurora Road / Clinton Street (Zone 2)
3. Main Street (SR 91) and Streetsboro Road (SR 303) (Zone 2)
4. S. Main Street (SR 91) and Veterans Way (Zone 2)
5. Darrow Road (SR 91) and Stoney Hill Drive (Zone 1)
6. Darrow Road (SR 91) and Barlow Road (Zone 1)
7. Darrow Road (SR 91) and Terex Road (Zone 1)
8. Darrow Road (SR 91) and Corporate Drive (Zone 1)

9. Darrow Road (SR 91) and Georgetown Road (Zone 1)
10. W. Streetsboro Street (SR 303) and E. Case Drive / Boston Mills Road (Zone 3)
11. W. Streetsboro Street (SR 303) and Acme Plaza Drive (Zone 3)
12. W. Streetsboro Street (SR 303) and Atterbury Blvd / Milford Road (Zone 2)
13. W. Streetsboro Street (SR 303) and Library Street (Zone 2)

A general location map is shown in **Figure 1, Page 3**. The existing geometrics and signal layout for each of the study intersections are shown in **Appendix A**.

It should be noted that North Main Street / Darrow Road (SR 91) is a 35 mile per hour (mph) roadway except between Chapel Street to Ravenna Street where the speed limit is posted at 25 mph. The speed limit on W. Streetsboro Street between Boston Mills and Main Street is posted as 25 mph. SR 91 is defined as an urban principal arterial according to the ODOT classifications. SR 303 is classified as an urban minor arterial.




  
 NOT TO SCALE

1. SR 91 (Darrow Road) & Georgetown Road
2. SR 91 (Darrow Road) & Corporate Drive
3. SR 91 (Darrow Road) & Barlow Road
4. SR 91 (Darrow Road) & Stoney Hill Drive
5. SR 91 (S. Main Street) & Veterans Way
6. SR 91 (N. Main Street) & SR 303 (Streetsboro Street)
7. SR 91 (N. Main Street) & Aurora Street / Clinton Street
8. SR 91 (Darrow Road) & Prospect Street
9. SR 91 (Darrow Road) & Middleton Road
10. SR 302 (Streetsboro Street) & Stow Road
11. SR 302 (Streetsboro Street) & Hayden Parkway
12. SR 302 (Streetsboro Street) & Library Street
13. SR 302 (Streetsboro Street) & Atterbury Blvd / Veterans Way
14. SR 302 (Streetsboro Street) & Plaza / McDonald's
15. SR 302 (Streetsboro Street) & Boston Mills Road / Case Drive
16. SR 302 (Streetsboro Street) & Hudson Crossing / Terex Road
17. Terex Road & Hudson Drive
18. Stow Road & Barlow Road
19. Stow Road & Ravenna Street
20. Stow Road & Hudson Aurora Road
21. Terex Road & Barlow Road West
22. Terex Road & SR 8 SB Ramp
23. Seasons Road & SR 8 SB Ramp
24. Seasons Road & SR 8 NB Ramp



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System Summary Report  
 Citywide Signal System  
 City of Hudson

Existing Signal Network

Figure 1

Page 3

## 1.2 Existing Traffic Signal System Description

The City of Hudson has twenty-four (24) signalized intersections using what is termed "closed loop" system control. These are grouped into five (5) subsystems or zones and an assortment of isolated intersections. Six (6) intersections are contained in Zone 1 which includes intersections on State Route 91 from Georgetown to Stoney Hill Drive and includes the intersection of Hudson Drive and Terex Road. Six (6) intersections are contained in Zone 2 which includes intersections surrounding downtown Hudson. Two (2) intersections comprise Zone 3 which are located at SR 303 / Plaza Drive and SR 303 / Boston Mills Road. The Zone 4 includes a single intersection within the City of Hudson (SR 303 / Terex Road) which is interconnected to two intersections within neighboring Boston Heights. Zone 5 contains the two signalized intersections recently constructed on Season Road at the State Route 8 interchange. The remaining seven (7) signalized intersections are isolated and are operating without coordination with surrounding traffic signals. The signal systems are shown in Figure 1, Page 3.

This project describes work performed on Zones 1 through 3. The traffic control system is currently using primarily Econolite brand, model ASC-2 controllers and an Econolite model ASC/2M on-street master for each of the three signal systems. There are a couple of intersections with the newer ASC-3 model controllers.

The ASC/2M is an on-street arterial system master that has the ability to command up to twenty-four traffic controllers via telemetry interconnect. The master stores event, alarm, and diagnostic data from the attached controllers and can send their logs to a PC based work station. The master controllers have the ability to select traffic plans based on manual command, external input, time-of-day, or traffic responsive with timing patterns which have been pre-programmed based on historical traffic counts. ASC/2M zone masters communicate with attached controllers at a rate of once per second. The master controllers were programmed to have the system select traffic plans on a time-of-day basis prior to this project.

### 1.3 Study Objectives

The object of this study was to determine the necessary work involved to allow each of the systems to implement coordination timing patterns on a traffic responsive mode whereby the master controller selects the patterns based on the actual traffic volumes on the roadway network. The study would also include initiating the traffic responsive implementation and adjusting the timing plans to optimize operations and efficiency.

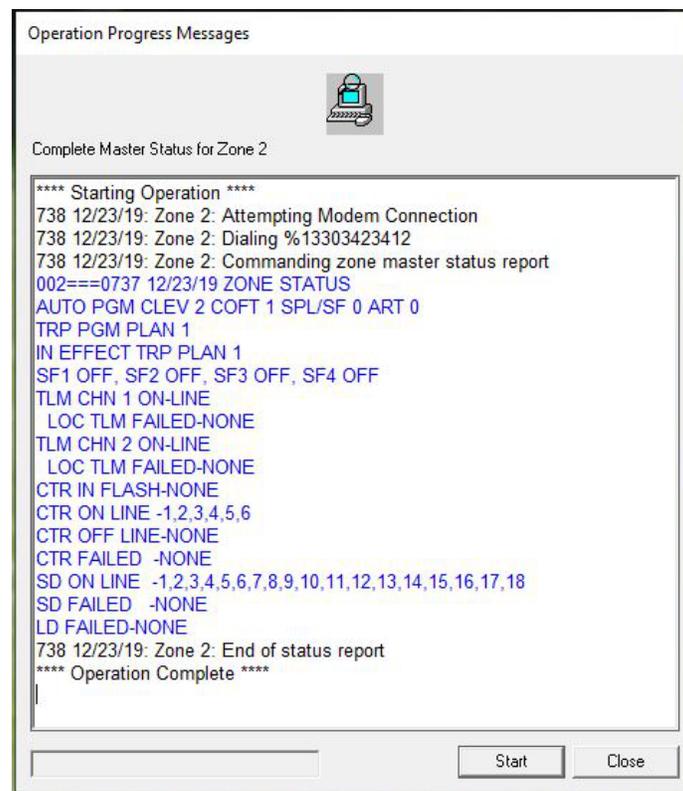
This report documents the processes, methodologies, findings and conclusions of the work performed, including the basis for all assumptions, traffic parameters utilized and conclusions reached.

## Chapter 2

### Signal System Inspection & Setup

#### 2.1 Pre-Project Conditions

A personal computer with the software package *Aries* developed by the Econolite Corporation for their “closed loop” type signal systems, was utilized to determine the pre-conditions of each of the zones. A full status report was generated by “dialing-up” each of the zone masters and requesting a status check. A typical status report from the Aries program is shown below.



The report provides information on date and time of the report, traffic signal system operational status and timing pattern in effect, system communications status (telemetry), controller status, loop detector and system detector status.

It was initially found that Zone 2 master would not answer the dial-up call through its modem. Therefore a report for that zone could not be generated. A field investigation was performed and it was determined that the problem originated in the telephone line connected to the master traffic signal cabinet at SR 91 and SR 303. The condition was reported to the City of Hudson Engineering Department for their referral to the telephone company supplier, Windstream. Windstream made

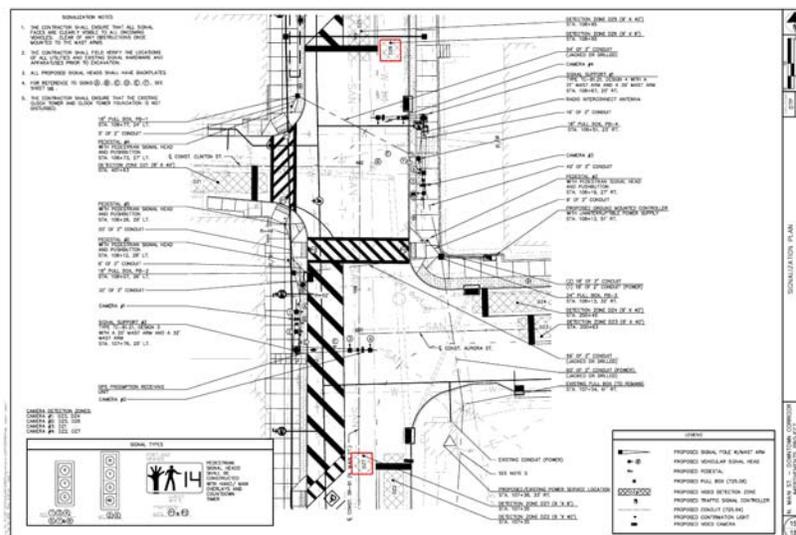
repairs by replacing telephone cable to the control cabinet in September, 2019.

It was also found that the controller at the intersection of Darrow Road and Corporate Drive was not communicating with the Zone 1 master at Darrow and Terex. A field investigation confirmed an issue with the radio interconnect system. The condition was reported to the City of Hudson Engineering Department for their referral to their traffic signal maintenance contractor, Signal Service. Signal Service made repairs in December, 2019 by replacing the radio receiver communication port connecting cable in the control cabinet.

Pre-condition inspection of the signal systems also consisted of the retrieval of all of the programming data for each of the three on-street masters and each of the controllers for the thirteen signalized intersections. The data was stored in the database of the *Aries* software program. A printout of all on-street master data is provided in **Appendix B**. A printout of all local controller data is provided in **Appendix C**.

## 2.2 Record Drawing Review

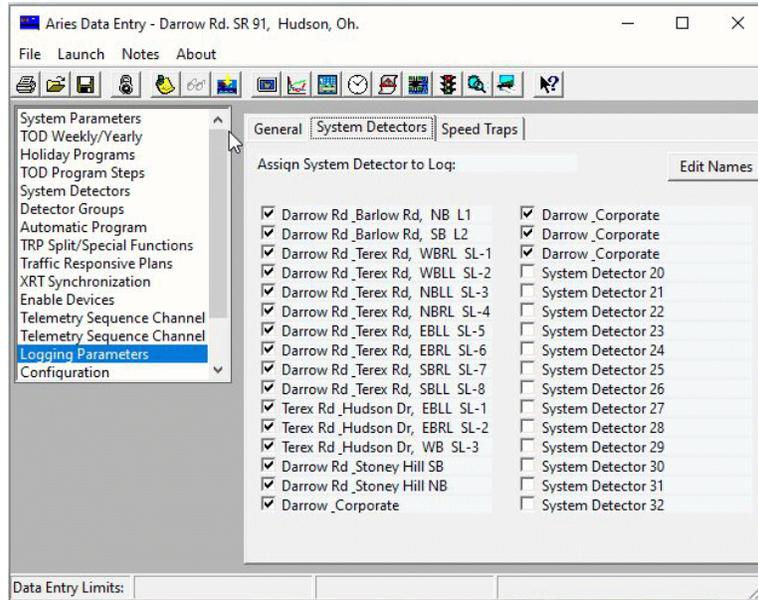
The next step in the process was to review record drawings of the traffic signal construction plans to determine if system detection was provided for each intersection. System detection consists of a detector area, either loop or video, located downstream from the intersection that is programmed to accumulate and log both volume and congestion information. These detection areas are normally sized 6 feet by 6 feet and usually positioned in the through lane sufficiently beyond the intersection. This is done in order to retrieve free flow conditions under light to medium traffic volumes. The signal plan for the intersection of Main Street and Aurora / Clinton is shown below with the system detectors highlighted in red.



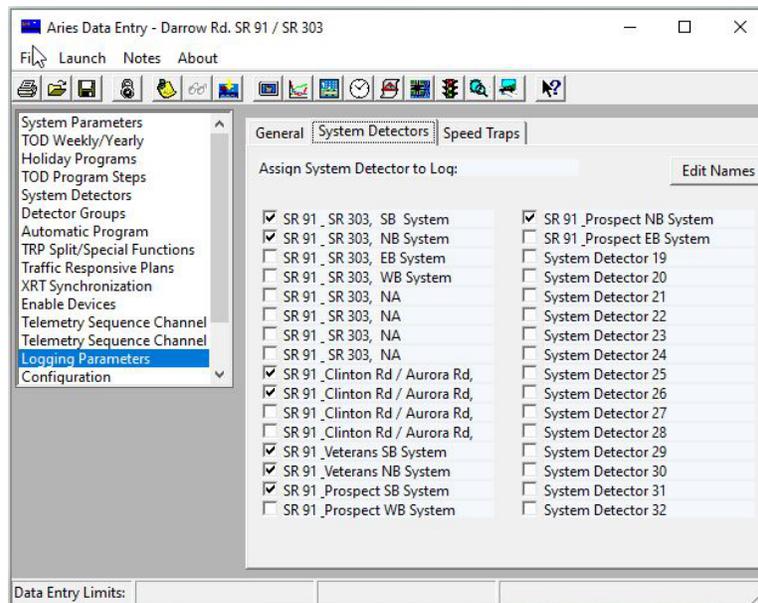
### 2.3 System Detector Communication & On-Street Master Review

Each of the system detectors were programmed to communicate with their respective on-street master. The system detectors that were found to exist are shown below from a screen shot of the programming of zone masters 1 and 2.

Zone Master #1



Zone Master #2



On-street master #3 was found not to have any operational system detectors. It was determined that at some time in the past, system detectors were installed on W. Streetsboro Road westbound, west of the Acme Plaza traffic signal and eastbound east of the Case Drive traffic signal. Pull boxes were found in the tree lawn that were previously used to provide a connection to in-roadway loop detectors.

## 2.4 Current Traffic Data Collection

The masters were then programmed to log traffic count, congestion (occupancy) and average speeds for each of the system detectors that were found to be operational. A screen shot of the volume log for the two (2) system detectors on Main Street at Aurora / Clinton is shown below.

Time	12/20/2015 Zone 2 Det. 9 vehicles	12/20/2015 Zone 2 Det. 10 vehicles
0000		
0015	9	25
0030	9	42
0045	6	27
0100	11	11
0115	9	17
0130	7	12
0145	4	17
0200	7	11
0215	4	9
0230	9	7
0245	5	8
0300	5	5
0315	5	8
0330	10	8
0345	9	4
0400	10	2
0415	18	7
0430	16	11
0445	27	8
0500	23	20
0515	29	15
0530	23	23
0545	71	40
0600	70	32
0615	73	56
0630	103	63
0645	120	76
0700	143	87
0715	123	108
0730	112	149
0745	148	128
0800	116	162
0815	102	110
0830	110	147
0845	119	142
0900	102	135
0915	117	124
0930	92	128
0945	106	118
1000	91	132
1015	89	129
1030	97	119
1045	116	95
1100	140	110
1115	91	130
1130	105	151
1145	134	157
1200	114	154
1215	123	135
1230	146	130
1245	125	123
1300	112	137
1315	104	106
1330	129	121
1345	126	103
1400	123	131
1415	128	126
1430	122	138
1445	126	147
1500	137	133
1515	136	137
1530	109	154
1545	104	172
1600	110	155
1615	111	166
1630	126	148
1645	112	132
1700	111	155
1715	123	166
1730	122	165
1745	126	177
1800	124	174
1815	112	180
1830	121	186
1845	120	154
1900	119	132
1915	90	121
1930	86	116
1945	92	121
2000	90	83
2015	92	82
2030	64	104
2045	65	86
2100	75	110
2115	59	84
2130	55	98
2145	55	80
2200	47	65
2215	27	101
2230	40	61
2245	32	45
2300	26	52
2315	41	67
2330	27	42
2345	20	62
2400	18	38

Zone 2 Detector 9: SR 91 & Clinton Rd / Aurora Rd, NB Sys  
 Zone 2 Detector 10: SR 91 & Clinton Rd / Aurora Rd, SB Sys

There are currently 19 system detectors in Zone #1 that are being logged by its on-street master and 8 system detectors in Zone #2.

## 2.5 System Detector Traffic Volumes

The traffic volumes from each of the system sensors were entered into an Excel spreadsheet designed for this project to emulate the operation of an on-street master’s process of selecting timing patterns on a traffic responsive basis. The spreadsheets were manually reviewed to determine the optimal system sensor combination for determining volume level within the system and directionality. The following tables show the system sensors and their assignments in each of the on-street masters.

Table 1  
Zone #1 On-Street Master Detector Assignments\*

Master Det #	Intersection	Dir	Local Det #	TLM Ch #	Det Grp	Level	Dir 1	Dir 2
1	SR 91 & Barlow	NB	17	1	1	AV	AV	-
2	SR 91 & Barlow	SB	18	1	5	AV	-	AV
3	SR 91 & Terex	WB	3	1		-	-	-
4	SR 91 & Terex	WB	4	1		-	-	-
5	SR 91 & Terex	NB	7	1		-	-	-
6	SR 91 & Terex	NB	8	1		-	-	-
7	SR 91 & Terex	EB	11	1		-	-	-
8	SR 91 & Terex	EB	12	1		-	-	-
9	SR 91 & Terex	SB	15	1		-	-	-
10	SR 91 & Terex	SB	16	1		-	-	-
11	Terex & Hudson	EB	17	1		-	-	-
12	Terex & Hudson	EB	18	1		-	-	-
13	Terex & Hudson	WB	19	1		-	-	-
14	SR 91 & Stoney Hill	SB	26	2	5	AV	-	AV
15	SR 91 & Stoney Hill	NB	28	2	1	AV	AV	-
16	SR 91 & Corporate	WB	18	2		-	-	-
17	SR 91 & Corporate	NB	26	2		-	-	-
18	SR 91 & Corporate	EB	30	2		-	-	-
19	SR 91 & Corporate	EB	32	2		-	-	-

\*The table indicates the actual programming of system detectors whether operational or not.

Table 2  
Zone #2 On-Street Master Detector Assignments\*

Master Det #	Intersection	Dir	Local Det #	TLM Ch #	Det Grp	Level	Dir 1	Dir 2
1	SR 91 & SR 303	SB	33	1	1	AV	-	AV
2	SR 91 & SR 303	NB	34	1	5	AV	AV	-
3	SR 91 & SR 303	EB	35	1		-	-	-
4	SR 91 & SR 303	WB	36	1		-	-	-
5	n/u					-	-	-
6	n/u					-	-	-
7	n/u					-	-	-
8	n/u					-	-	-
9	SR 91 & Clinton	NB	31	2	2	AV	AV	-
10	SR 91 & Clinton	SB	32	2	6	AV	-	AV
11	n/u					-	-	-
12	n/u					-	-	-
13	SR 91 & Veterans	SB	9	1	7	AV	-	AV
14	SR 91 & Veterans	NB	10	1	3	AV	AV	-
15	SR 91 & Prospect	SB	29	2	8	AV	-	AV
16	SR 91 & Prospect	WB	30	2		-	-	-
17	SR 91 & Prospect	NB	31	2	4	AV	AV	-
18	SR 91 & Prospect	EB	32	2		-	-	-

\*The table indicates the actual programming of system detectors whether operational or not.

## 2.6 On-Street Master Programming

After programming the system detector assignments in the on-street masters, the parameters for **Traffic Responsive Timing Plan (TRP)** selection were programmed based upon the outcomes predicted by the Excel spreadsheets. This was utilized as a base condition for further evaluation of the expected implementation of timing patterns. The following tables show the programming of the traffic responsive parameters. The tables were created for this project by the author.

**Table 3**  
**Zone #1 On-Street Master TRP Programming**

**Settings**

**SD Volume Scale Factor** 8  
Actual volume is processed with scale factor and sample period to obtain scaled volume values for use in auto plan selection. (100 veh/hr)

---

**Sample Period in Cycles?** NO  
YES: Selects ubnits of cycles for TRP sample period. NO: Selects units of minutes for TRP sample period.

**Sample Period** 5 cycles or minutes  
Length of time between automatic program computations.

**TRP Level Alarm Threshold** 0  
A TRP Level Alarm ON event occurs at the end of a sample period if computed level becomes gretaer than or equal to the TRP Level Alarm Threshold. If the computed level becomes less than the threshold, a TRP Level Alarm OFF event occurs.

**Functional Computations**

	LEV	DR1	DR2	SPA	SPB	ART	NRT
<b>Traffic Parameter</b>	VOL	VOL	VOL	0	0	0	0
<small>Parameter used for traffic function selection is scaled volume (VOL), scaled occupancy (OCC), or concentration (CON). (Concentration is the greater of the two values: scaled volume or scaled occupancy.)</small>							
<b>Value / Groups</b>	AV	AV	AV	NA	NA	NA	NA
<small>Selects highest (1), second highest (2), or average (AV) of detector groups assigned to traffic function selection.</small>							
<b>Smoothing Factor</b>	50	50	50	0	0	0	0
<small>Represents percent of new data that is added to old smoothed data to calculate the number representing current traffic demand. Used to stop system from over-reacting to short duration chnages in traffic. Small values produce a less responsive system.</small>							
<b>Update Predictor Threshold</b>	0	0	0	0	0	0	0
<small>Used to bypass smoothing. Allows system to respond (as soon as possible) to large surges in traffic demand. Current data is used to represent current traffic demand if current data is greater than or equal to the previous smoothed data plus the update predictor threshold.</small>							

**Thresholds**

**Computed Levels (0-101%)**    2>1 29    1>2 36    3>2 50    2>3 62    4>3 80    3>4 92    5>4 101  
Required for traffic responsive plan selection. Can determine up to five computed levels. Each threshold value must be greater than or equal to preceding threshold values or else an error condition is set for the computed level. Access to higher levels is inhibited by entering an out-of-range (101%) threshold value. Computed level is determined by comparing level selection value to threshold values.

**Computed Offset (0-100%)**    1>AV 4    AV>1 21    2>AV 4    AV>2 21  
Used to determine arterial directional preference. The directional preference entering threshold values, AV>1 and AV>2, must be gretaer than the corresponding exit threshold values, 1>AV and 2>AV, or else an error condition is set for the computed offset.

**Computed Split (0-101%)**    2>1 101    1>2 101    3>2 101    2>3 101    4>3 101    3>4 101  
Entry is needed only when detector groups have been assigned to this traffic function and a zero is entered for split in the traffic responsive plan in effect. Computed split is determined by comparing split demand A to split demand B then comparing the results to the entered threshold values. Each threshold value must be greater than or equal to the preceding value or else an error condition is set for computed split / special function.

**Non-Arterial Demand (0-100%)**    NRT>ART 100    ART>NRT 100  
Allows selection of five additional traffic plans based upon computed level and non-arterial preference. Non-arterial preference is determined by comparing arterial demand to non-arterial c or equal to the NRT>ART threshold or else an error condition is set for computed arterial preference.

Table 4  
Zone #2 On-Street Master TRP Programming

**Settings**

**SD Volume Scale Factor** 8  
Actual volume is processed with scale factor and sample period to obtain scaled volume values for use in auto plan selection. (100 veh/hr)

---

**Sample Period in Cycles?** NO  
YES: Selects ubnits of cycles for TRP sample period. NO: Selects units of minutes for TRP sample period.

**Sample Period** 7 cycles or minutes  
Length of time between automatic program computations.

**TRP Level Alarm Threshold** 0  
A TRP Level Alarm ON event occurs at the end of a sample period if computed level becomes gretaer than or equal to the TRP Level Alarm Threshold.  
If the computed level becomes less than the threshold, a TRP Level Alarm OFF event occurs.

**Functional Computations**

**Traffic Parameter**

LEV	DR1	DR2	SPA	SPB	ART	NRT
VOL	VOL	VOL	0	0	0	0

Parameter used for traffic function selection is scaled volume (VOL), scaled occupancy (OCC), or concentration (CON).  
(Concentration is the greater of the two values; scaled volume or scaled occupancy.)

**Value / Groups**

AV	1	1	NA	NA	NA	NA
----	---	---	----	----	----	----

Selects highest (1), second highest (2), or average (AV) of detector groups assigned to traffic function selection.

**Smoothing Factor**

50	50	50	0	0	0	0
----	----	----	---	---	---	---

Represents percent of new data that is added to old smoothed data to calculate the number representing current traffic demand.  
Used to stop system from over-reacting to short duration chagnes in traffic. Small values produce a less responsive system.

**Update Predictor Threshold**

0	0	0	0	0	0	0
---	---	---	---	---	---	---

Used to bypass smoothing. Allows system to respond (as soon as possible) to large surges in traffic demand. Current data is used to represent current traffic demand if current data is greater than or equal to the previous smoothed data plus the update predictor threshold.

**Thresholds**

**Computed Levels (0-101%)**    2>1 28    1>2 35    3>2 45    2>3 55    4>3 65    3>4 75    5>4 101

Required for traffic responsive plan selection. Can determine up to five computed levels. Each threshold value must be greater than or equal to preceding threshold values or else an error condition is set for the computed level. Access to higher levels is inhibited by entering an out-of-range (101%) threshold value. Computed level is determined by comparing level selection value to threshold values.

**Computed Offset (0-100%)**    1>AV 2    AV>1 18    2>AV 2    AV>2 18

Used to determine arterial directional preference. The directional preference entering threshold values, AV>1 and AV>2, must be gretaer than the corresponding exit threshold values, 1>AV and 2>AV, or else an error condition is set for the computed offset.

**Computed Split (0-101%)**    2>1 101    1>2 101    3>2 101    2>3 101    4>3 101    3>4 101

Entry is needed only when detector groups have been assigned to this traffic function and a zero is entered for split in the traffic responsive plan in effect. Computed split is determined by comparing split demand A to split demand B then comparing the results to the entered threshold values. Each threshold value must be greater than or equal to the preceding value or else an error condition is set for computed split / special function.

**Non-Arterial Demand (0-100%)**    NRT>ART 100    ART>NRT 100

Allows selection of five additional traffic plans based upon computed level and non-arterial preference. Non-arterial preference is determined by comparing arterial demand to non-arterial c  
or equal to the NRT>ART threshold or else an error condition is set for computed arterial preference.

## 2.7 Automatic Timing Plan vs TOD/DOW Schedule Timing Plan Analysis

The on-street masters were programmed to run the automatic timing plan selection algorithms in the background while the actual timing plan selection was performed by the time-of-day, day-of-week scheduler. This allowed the review of the operation and to make adjustments to the timing plan selection routines. This operation was reviewed for approximately thirty days in the months of October and November, 2019. The make-up of the individual timing plans are discussed in the following section.

## 2.8 Local Controller Coordination Timing Plan Programming

A signal timing evaluation was performed as the first step to optimize the local controller signal timing within the system. The computer program, Synchro 9 (Build 909, Revision 20), from Trafficware was used to construct a computer model of the entire Darrow Road and Streetsboro Road corridors (Synchro files will be provided). These hourly traffic models were used to optimize the signal timings for each intersection and develop the patterns which will be selected by the on-street masters. The proposed timing plans from the Synchro analysis with intersection cycle lengths, split times and offsets which were implemented at each intersection are shown in **Appendix D**. Three (3) special timing patterns were also generated to be used under unusually high volume and congestion conditions. These plans were developed by increasing the peak hour volumes by 20%.

There were a total of seven coordination timing plans developed for each zone from the optimization of the Synchro models. These were numbered 1-7. Timing pattern 1 was a short cycle length, 80 seconds, designed for low volume occurrences. Timing patterns 2, 3 and 4, 105 seconds, were designed for moderate volume occurrences. Timing pattern 2 was designed to provide optimal traffic flow when the volume in the northbound direction was substantially larger than southbound. Timing pattern 3 was designed for conditions when the volumes northbound and southbound were substantially equal. Timing pattern 4 was designed to handle traffic flow when southbound volume was substantially larger than northbound. Patterns 5, 6 and 7, 125 seconds, were designed to handle conditions where high volume and congestion was detected. Timing pattern 5 favors northbound flow, pattern 6 favors equal flow and pattern 7 favors heavy southbound flow.

The timing patterns were installed in the local controllers during the months of October and November of 2019.

In addition to the seven previously described timing patterns, a free, un-coordinated condition will be utilized for late night operation.

## 2.9 Field Adjustments

Following the implementation of the new signal timing, each of the intersections were observed under the new timing plans to determine if any adjustments to the traffic responsive programs was needed. The intersections were observed on several different days by observing each signal in the field go through several cycles and watching the traffic responsive program select different patterns based on real time volumes. Zone number 2 was primarily observed during the month of November and zone #1 was observed during the month of December. Observations showed that the zones 1 and 2 are now functioning optimally with the current signal equipment.

## 2.10 Time-of-Day, Day-of-Week Schedules

The backup Time of Day schedules that were installed into each of the controllers are shown below and the following pages. This Time of Day plan will be utilized if the automatic timing plan selection program (TRP) is temporarily non-functional. This can occur if communications are lost between the on-street master and the local controllers. It can also occur if a certain number of system sensors have failed for some reason.

The Time of Day plans were developed from the patterns which were selected by the traffic responsive programming over the month of December, 2019. Some of the traffic responsive pattern logs utilized in the development of the time-of-day schedules are provided in **Appendix E**. All of the logs collected for this project can be provided in digital format.

**Table 5  
Zone #1 Time of Day Schedules**

DAY PLAN 1 MONDAY - FRIDAY			
STEP	TIME PERIOD	PATTERN	CYCLE
1	12:00 AM - 6:00 AM	FREE	
2	6:00 AM - 7:00 AM	1	80
3	7:00 AM - 8:00 AM	2	105
4	8:00 AM - 9:00 AM	4	105
5	9:00 AM - 4:00 PM	3	105
6	4:00 PM - 6:00 PM	6	125
7	6:00 PM - 7:00 PM	3	105
8	7:00 PM - 9:00 PM	1	80
9	9:00 PM - 12:00 AM	FREE	

DAY PLAN 2 SATURDAY			
STEP	TIME PERIOD	PATTERN	CYCLE
10	12:00 AM - 8:00 AM	FREE	
11	8:00 AM - 9:00 AM	1	80
12	9:00 AM - 12:00 N	3	105
13	12:00 N - 1:00 PM	6	125
14	1:00 PM - 7:00 PM	3	105
15	7:00 PM - 9:00 PM	1	80
16	9:00 PM - 12:00 AM	FREE	

DAY PLAN 3			
SUNDAY			
EVENT	TIME PERIOD	PATTERN	CYCLE
17	12:00 AM - 9:00 AM	FREE	
18	9:00 AM - 11:00 AM	1	80
19	11:00 AM - 7:00 PM	3	105
20	7:00 PM - 8:00 PM	1	80
21	8:00 PM - 12:00 AM	FREE	

**Table 6**  
**Zone #2 Time of Day Schedules**

DAY PLAN 1			
MONDAY - FRIDAY			
STEP	TIME PERIOD	PATTERN	CYCLE
1	12:00 AM - 6:00 AM	FREE	
2	6:00 AM - 6:45 AM	1	80
3	6:45 AM - 7:30 AM	2	105
4	7:30 AM - 8:15 AM	5	125
5	8:15 AM - 4:00 PM	3	105
6	4:00 PM - 6:45 PM	7	125
7	6:45 PM - 7:15 PM	4	105
8	7:15 PM - 9:00 PM	1	80
9	9:00 PM - 12:00 AM	FREE	

DAY PLAN 2			
SATURDAY			
STEP	TIME PERIOD	PATTERN	CYCLE
10	12:00 AM - 8:00 AM	FREE	
11	8:00 AM - 9:00 AM	1	80
12	9:00 AM - 12:00 N	3	105
13	12:00 N - 1:30 PM	4	105
14	1:30 PM - 7:30 PM	3	105
15	7:30 PM - 9:00 PM	1	80
16	9:00 PM - 12:00 AM	FREE	

DAY PLAN 3			
SUNDAY			
EVENT	TIME PERIOD	PATTERN	CYCLE
17	12:00 AM - 9:00 AM	FREE	
18	9:00 AM - 10:00 AM	1	80
19	10:00 AM - 7:00 PM	4	105
20	7:00 PM - 8:00 PM	1	80
21	8:00 PM - 12:00 AM	FREE	

## 2.11 System Improvements

The improvement resulting from the re-timing of the traffic signals on the SR 91 and 303 corridors were estimated using the data calculated from the Synchro models. The results were listed as levels of service and average corridor speed. Copies of the calculations are included in Appendix G. The following tables show the before and after peak hour comparisons.

**Table 7**

<b>N. MAIN STREET / DARROW ROAD (SR 91)</b>						
<b>DIR</b>	<b>AM PEAK</b>			<b>PM PEAK</b>		
	<b>BEFORE LOS (SPEED)*</b>	<b>AFTER LOS (SPEED)*</b>	<b>% INCREASE</b>	<b>BEFORE LOS (SPEED)*</b>	<b>AFTER LOS (SPEED)*</b>	<b>% INCREASE</b>
NB	D (15.3)	C (22.8)	49%	D (14.4)	C (21.5)	49%
SB	E (11.9)	C (23.1)	94%	E (12.9)	C (20.3)	57%

\*(SPEED) = Average MPH per vehicle

**Table 8**

<b>STREETSBORO ROAD (SR 303)</b>						
<b>DIR</b>	<b>AM PEAK</b>			<b>PM PEAK</b>		
	<b>BEFORE LOS (SPEED)*</b>	<b>AFTER LOS (SPEED)*</b>	<b>% INCREASE</b>	<b>BEFORE LOS (SPEED)*</b>	<b>AFTER LOS (SPEED)*</b>	<b>% INCREASE</b>
EB	D (10.5)	C (13.0)	29%	F (6.4)	E (9.0)	41%
WB	D (11.5)	D (11.2)	-3%	E (8.4)	D (9.5)	13%

\*(SPEED) = Average MPH per vehicle

The analysis indicates that signal systems are now operating at the highest level of efficiency able to be provided by the current equipment.

## Chapter 3

### Recommendations & Conclusions

#### 3.1 Recommendations

The work performed for this study has determined that Zone #3, the West Streetsboro Road section, which includes the intersections of Boston Mills Road / E. Case Drive and the Acme Plaza drive, currently does not have sufficient system sensors for use in automatic selection of timing plans. Our field review found that, at some time in the past, the system had the needed detection, however, the sensors have been abandoned and are no longer present. It is our recommendation that new sensors be installed and the zone master be programmed for automatic timing plan selection. It is estimated that the cost of the installation of the new system sensors to be approximately \$6,000.00

During the field review for this study, it was found that the traffic signal at W. Streetsboro Road and the Acme Plaza drive was cycling without the presence of traffic on the side street approach. It is recommended that the City have their maintenance contractor investigate the issue and make repairs as needed.

It is recommended that the City supply and setup a dedicated personal computer with a dial-up modem and the Aries "closed loop" software in the Engineering office. Costs for such computer system is expected cost between \$5,000 and \$7,500. A professional traffic engineer, skilled in the operation of the current signal system equipment should be retained to setup the central system for use in monitoring the system and collecting count and event data. The engineer could be retained to provide sufficient training to Hudson Engineering personnel to operate the system. If the City prefers not to directly manage and monitor the system, it may be possible to enter into a contract with skilled engineer to partner and perform on-going management services or limited services to assist the City.

It is recommended that the City of Hudson notify their traffic signal maintenance contractor of the changes made to the signal systems described in this report. This will allow the contractor to update his records.

The existing hardware components of the City of Hudson traffic signal system, controllers, communications and central system monitoring are beyond their design life, and in need of replacement. The Econolite ASC2 and 3 controllers are no longer manufactured and parts will become hard to obtain for maintenance / repair. The Econolite ASC/M on-street master controllers are also no longer manufactured. The radio communication system has had issues with maintaining connections between controllers and should be replaced with a more robust network to improve reliability. The dial-up / modem office to field communication system should be replaced with a direct connection network such as fiber optic cabling. The Aries "closed loop" system software is no longer supported

by the manufacturer. A new centrally controlled arterial traffic signal system using “Adaptive” technology should be purchased and installed to manage traffic conditions, monitor the condition of intersection equipment in real time, to provide the capability to check signal timing remotely, provide the capability to record failures for maintenance or legal purposes and provide the capability for surveillance of operational efficiency / effectiveness to determine the need for new timing plans. Costs for these improvements were established in the “Purpose and Needs Study” prepared by TMS Engineers and dated April 14, 2018. A copy of the costs are included in Appendix F.

## 3.2 Conclusions

This report details the work performed to implement the traffic responsive mode of the existing signal systems along Darrow/Main (SR 91) and Streetsboro (SR 303). The implementation was able to be performed without installing any new equipment, including area-wide detection and communications. This is an interim, short-term measure to the recommendation above for the replacement of the existing signal system equipment and the installation of a centrally controlled arterial traffic signal system using “Adaptive” technology.

The existing signal systems are now operating at the highest level of efficiency able to be provided by the current equipment.

**Appendix A**  
**Existing Geometry and Signal Layout**

# DARROW ROAD (S.R. 91) & GEORGETOWN ROAD EXISTING INTERSECTION DIAGRAM



NOT TO SCALE

DARROW ROAD (S.R. 91)

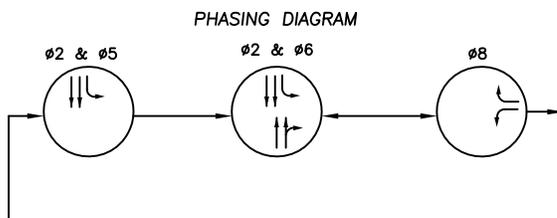


GEORGETOWN ROAD

DARROW ROAD (S.R. 91)

## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ▶ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

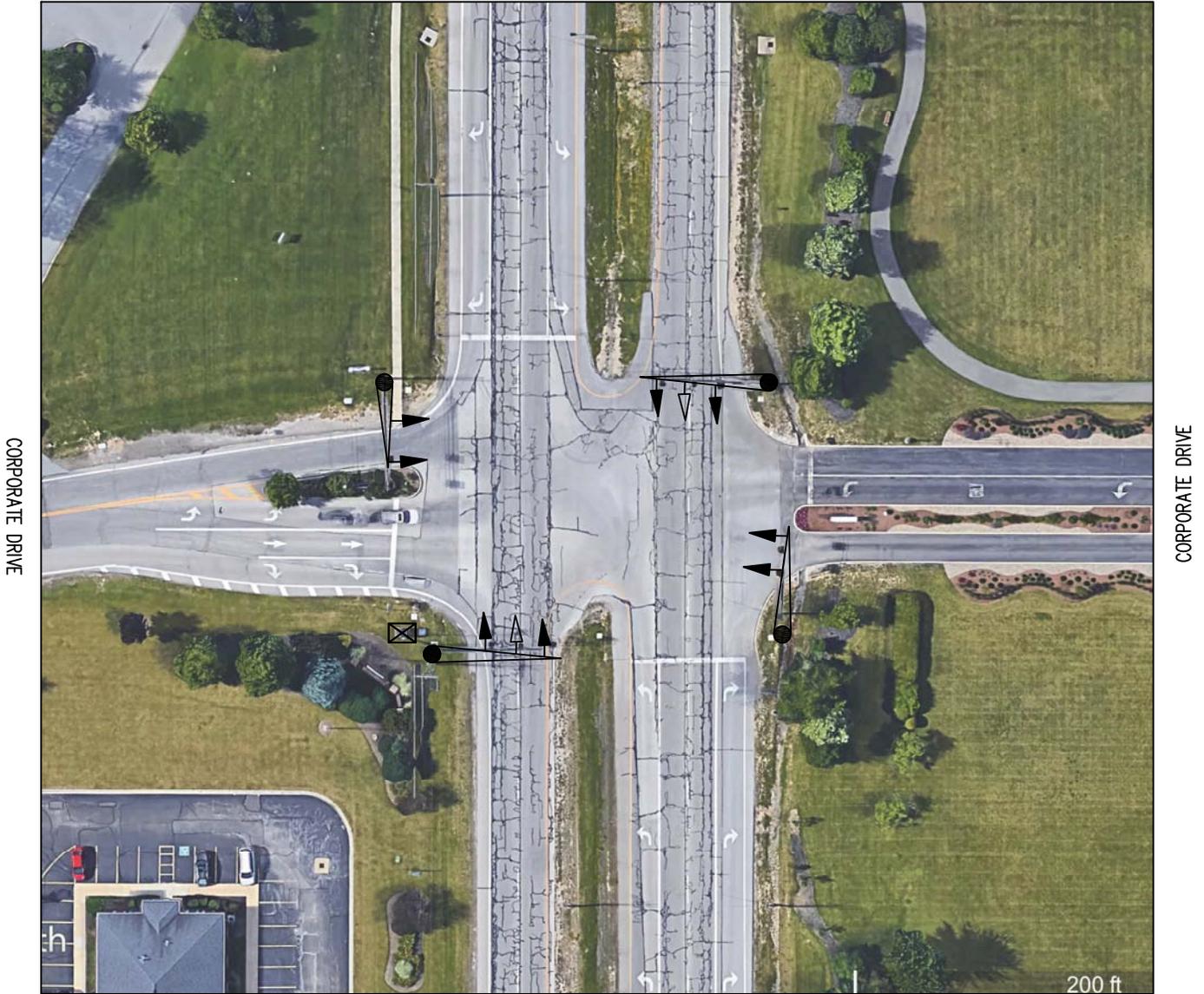


# DARROW ROAD (S.R. 91) & CORPORATE DRIVE EXISTING INTERSECTION DIAGRAM

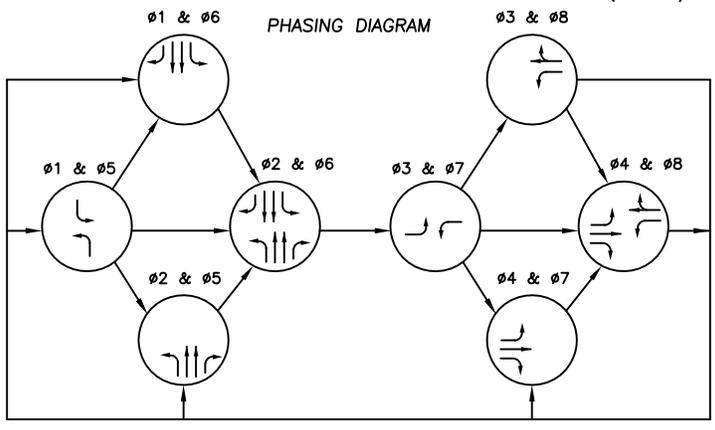


NOT TO SCALE

DARROW ROAD (S.R. 91)



DARROW ROAD (S.R. 91)



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ▲ - 3-SECTION TRAFFIC SIGNAL HEAD
- ▲ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

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EXISTING CONDITIONS DIAGRAM

FIG. NO.:

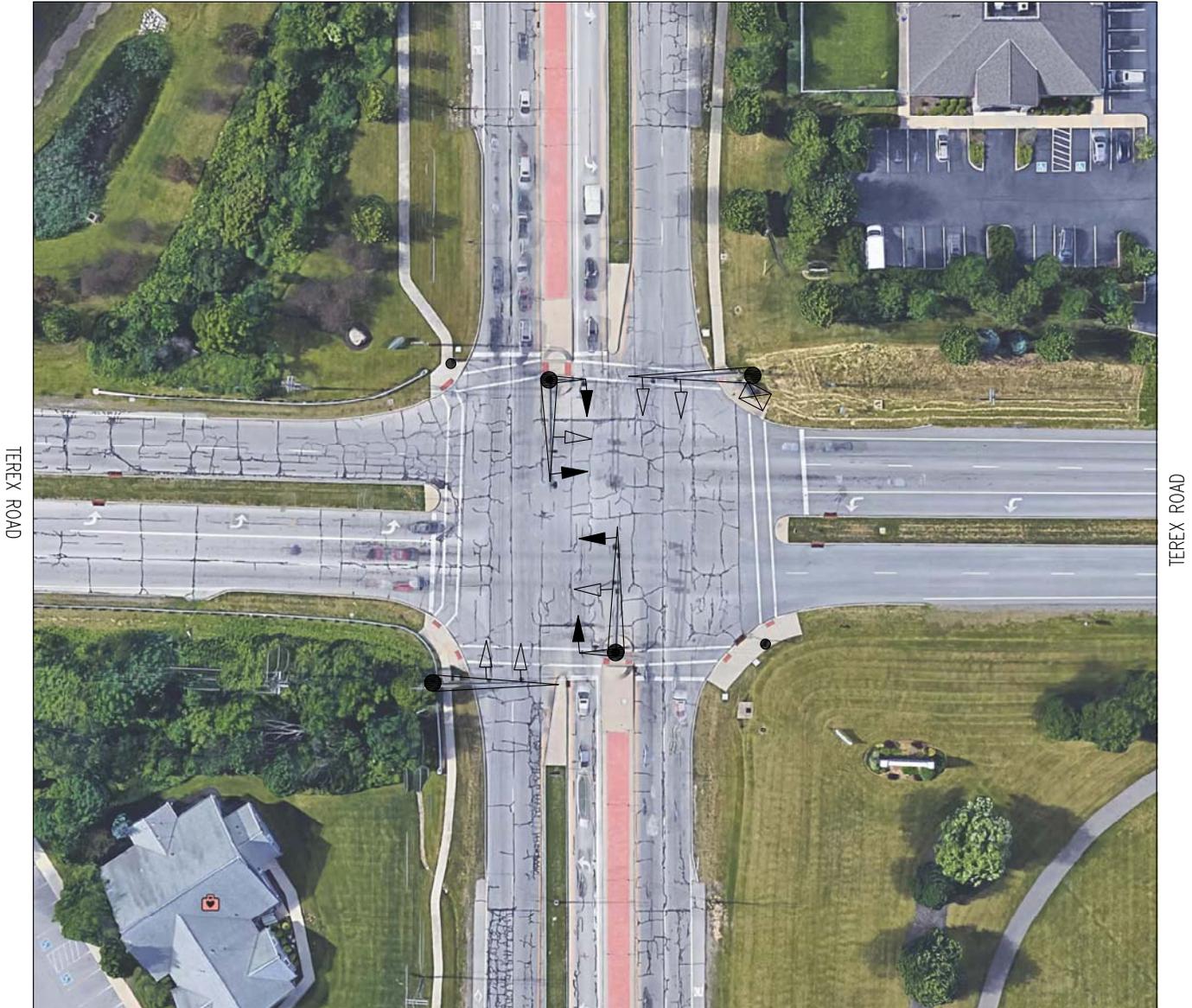
PAGE NO.:

# DARROW ROAD & TEREX ROAD EXISTING INTERSECTION DIAGRAM

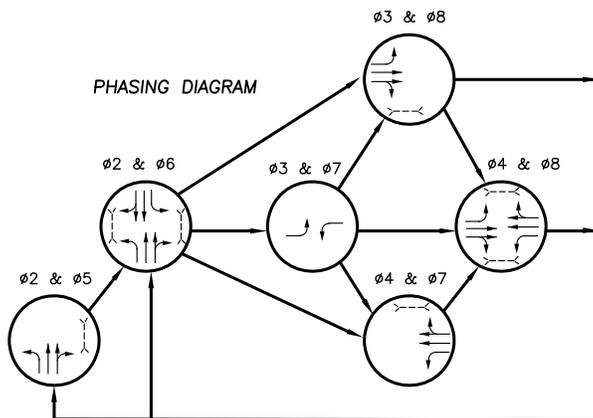
DARROW ROAD (S.R. 91)



NOT TO SCALE



DARROW ROAD (S.R. 91)



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ▷ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

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**EXISTING CONDITIONS DIAGRAM**

FIG. NO.:

PAGE NO.:

# DARROW ROAD (S.R. 91) & BARLOW ROAD EXISTING INTERSECTION DIAGRAM



NOT TO SCALE

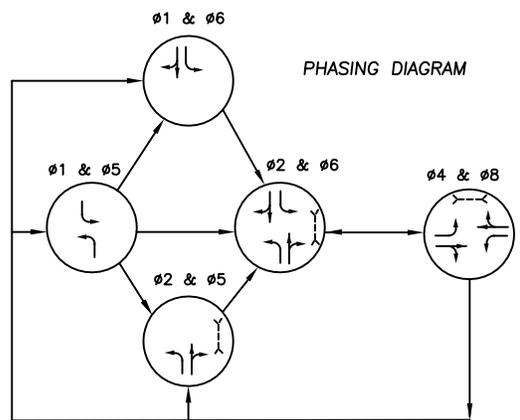
DARROW ROAD (S.R. 91)



BARLOW ROAD

BARLOW ROAD

DARROW ROAD (S.R. 91)



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◀ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◀◀ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◀◀◀ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

# DARROW ROAD (S.R. 91) & STONEY HILL EXISTING INTERSECTION DIAGRAM



NOT TO SCALE

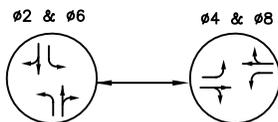
DARROW ROAD (S.R. 91)



STONEY HILL

DARROW ROAD (S.R. 91)

### PHASING DIAGRAM



### LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ▽ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◀ - 4-SECTION TRAFFIC SIGNAL HEAD
- ▶ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

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EXISTING CONDITIONS DIAGRAM

FIG. NO.:

PAGE NO.:

# S. MAIN STREET (S.R. 91) & VETERANS WAY EXISTING INTERSECTION DIAGRAM

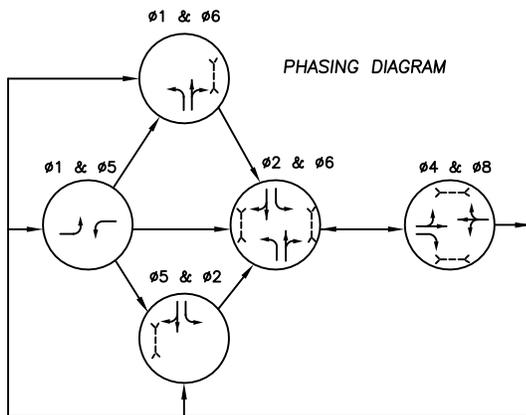


NOT TO SCALE

S. MAIN STREET (S.R. 91)



S. MAIN STREET (S.R. 91)



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ▽ - 3-SECTION TRAFFIC SIGNAL HEAD
- ▶ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

# MAIN ST. (S.R. 91) & STREETSBORO ST. (S.R. 303) EXISTING INTERSECTION DIAGRAM



NOT TO SCALE

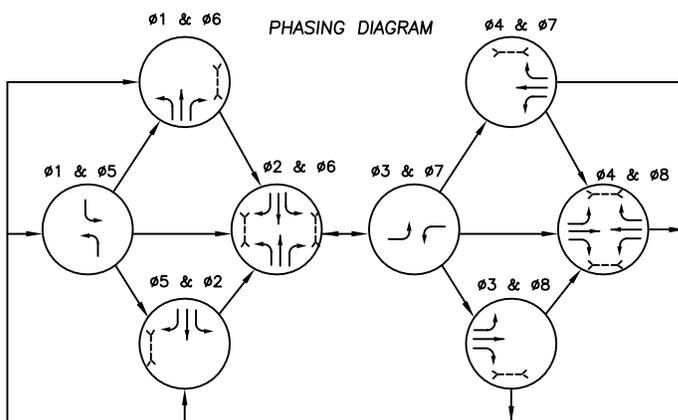
MAIN ST (S.R. 91)

STREETSBORO ST. (S.R. 303)



STREETSBORO ST. (S.R. 303)

MAIN ST. (S.R. 91)



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ▶ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

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EXISTING CONDITIONS DIAGRAM

FIG. NO.:

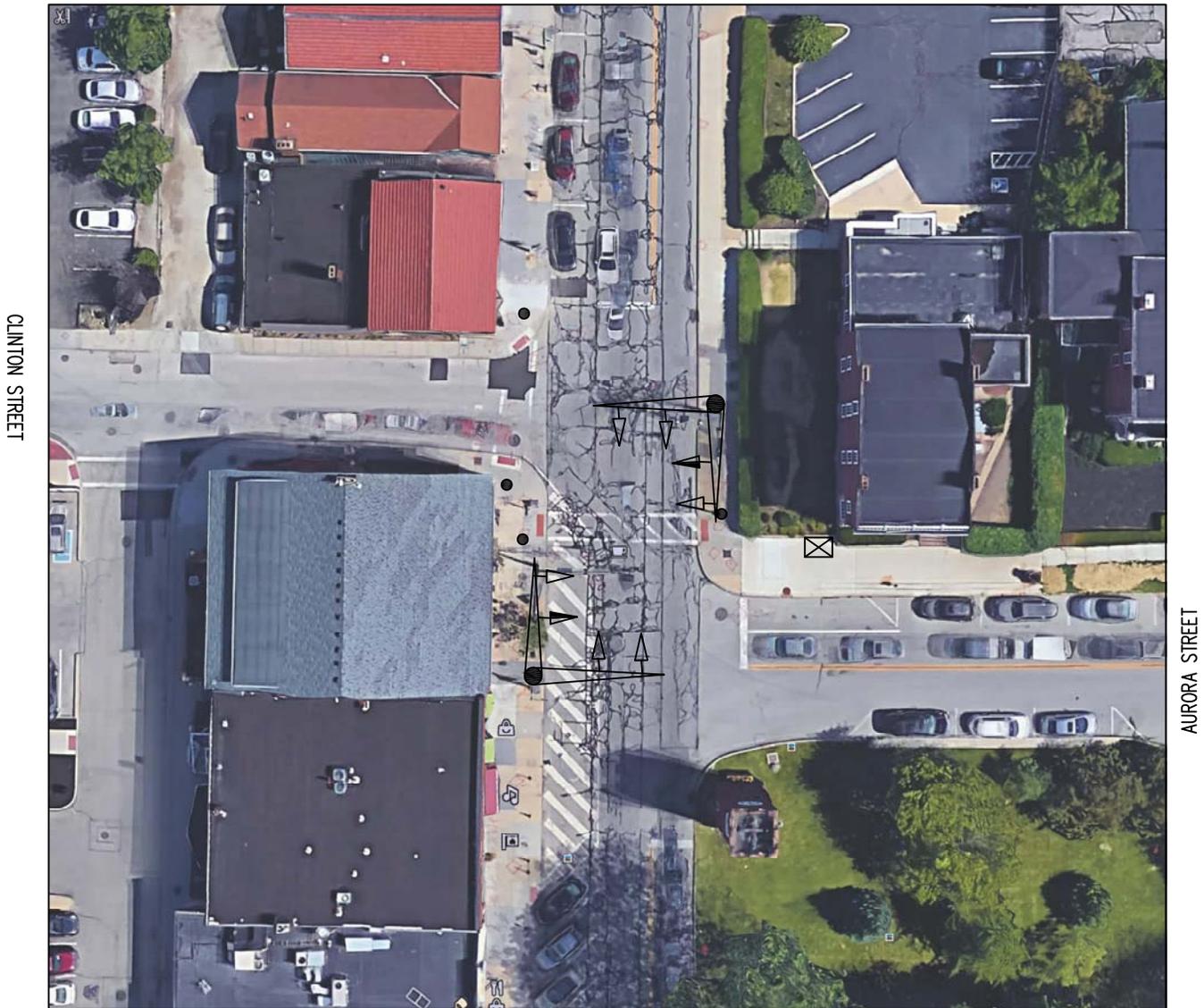
PAGE NO.:

# N. MAIN ST. (S.R. 91) & AURORA/CLINTON ST. EXISTING INTERSECTION DIAGRAM



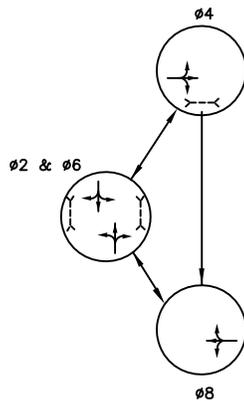
NOT TO SCALE

N. MAIN ST. (S.R. 91)



N. MAIN ST. (S.R. 91)

PHASING DIAGRAM



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

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EXISTING CONDITIONS DIAGRAM

FIG. NO.:

PAGE NO.:

# N. MAIN ST. (S.R. 91) & PROSPECT ST. EXISTING INTERSECTION DIAGRAM



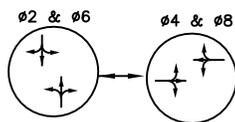
NOT TO SCALE

N. MAIN STREET (S.R. 91)



N. MAIN STREET (S.R. 91)

### PHASING DIAGRAM



### LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

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EXISTING CONDITIONS DIAGRAM

FIG. NO.:

PAGE NO.:

# STREETSBORO ST. (S.R. 91) & LIBRARY ST. EXISTING INTERSECTION DIAGRAM



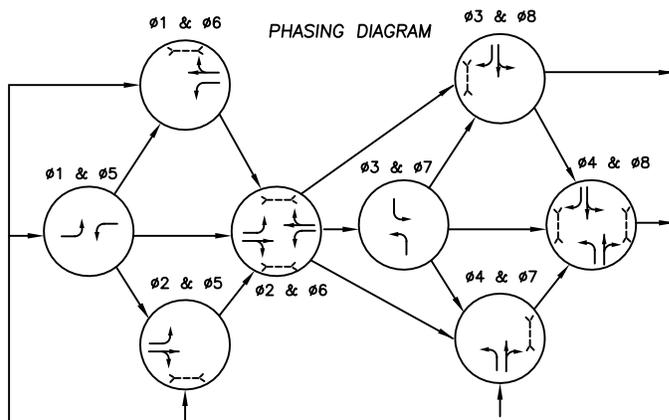
NOT TO SCALE

LIBRARY STREET



STREETSBORO ST. (S.R. 303)

STREETSBORO ST. (S.R. 303)



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

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EXISTING CONDITIONS DIAGRAM

FIG. NO.:

PAGE NO.:

# STREETSBORO ST (S.R. 303) & ATTERBURY / VETERANS EXISTING INTERSECTION DIAGRAM



NOT TO SCALE

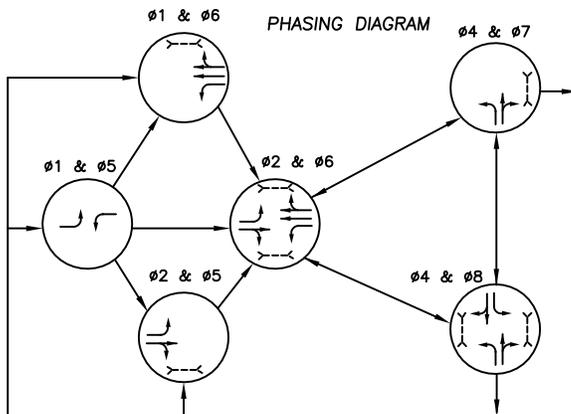
ATTERBURY BOULEVARD

STREETSBORO ST. (S.R. 303)



STREETSBORO ST. (S.R. 303)

VETERANS WAY



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

**TMS ENGINEERS, INC.**  
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EXISTING CONDITIONS DIAGRAM

FIG. NO.:

PAGE NO.:

# STREETSBORO ST. (S.R. 303) & PLAZA/McDONALD'S EXISTING INTERSECTION DIAGRAM



NOT TO SCALE

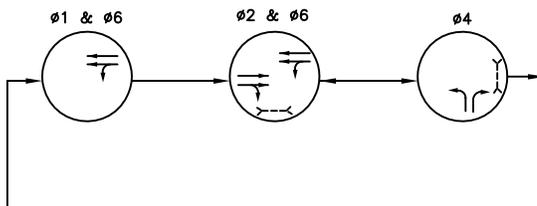
STREETSBORO ST. (S.R. 303)



STREETSBORO ST. (S.R. 303)

PLAZA DIRVEWAY/McDONALD'S

PHASING DIAGRAM



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

**TMS ENGINEERS, INC.**  
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EXISTING CONDITIONS DIAGRAM

FIG. NO.:

PAGE NO.:

# STREETSBORO ST (S.R. 303) & BOSTON MILLS/CASE DR EXISTING INTERSECTION DIAGRAM



NOT TO SCALE

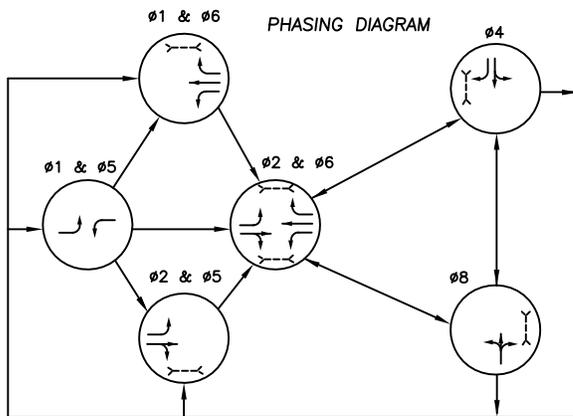
BOSTON MILLS ROAD



STREETSBORO ST. (S.R. 303)

STREETSBORO ST. (S.R. 303)

CASE DRIVE



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

**TMS ENGINEERS, INC.**  
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EXISTING CONDITIONS DIAGRAM

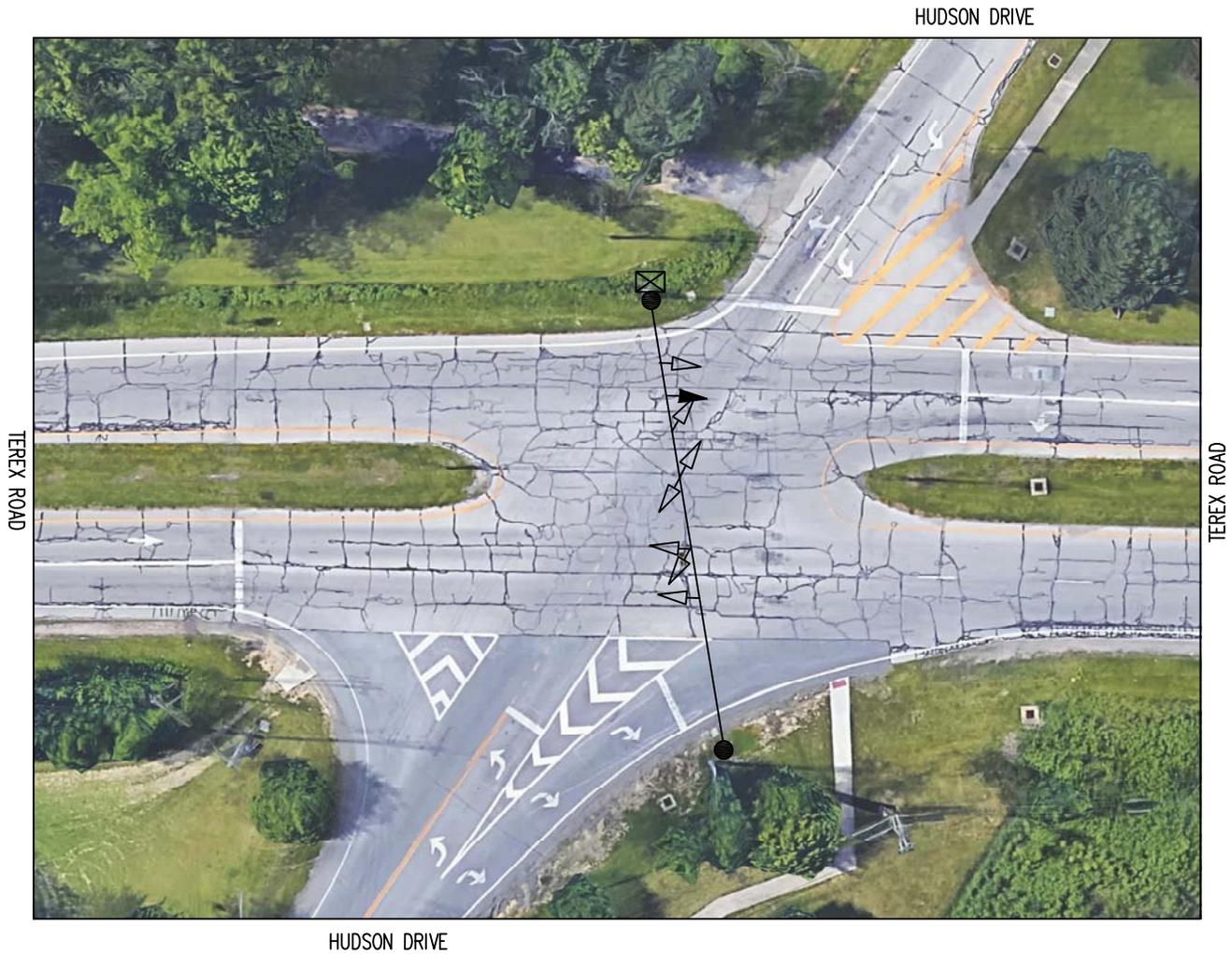
FIG. NO.:

PAGE NO.:

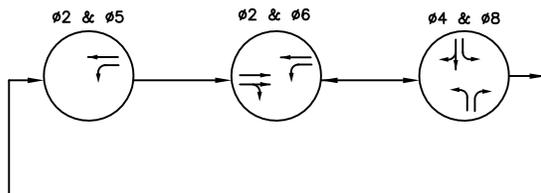
# TEREX ROAD & HUDSON DRIVE EXISTING INTERSECTION DIAGRAM



NOT TO SCALE



PHASING DIAGRAM



## LEGEND

- - SIGNAL POLE
- - PEDESTAL
- ◁ - 3-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 4-SECTION TRAFFIC SIGNAL HEAD
- ◄ - 5-SECTION TRAFFIC SIGNAL HEAD
- ⊠ - CONTROLLER

**Appendix B**  
**On-Street Master Controller Data**

**Zone #1**  
**Darrow Road South**

System Parameters

-----  
Master Number . . . . . 1

			Special Functions			
	Enabled	COS	1	2	3	4
Manual Plan . . . . .	NO	706	OFF	OFF	OFF	OFF

			Cycles					
		1	2	3	4	5	6	
Cycle Length. . . . .		80	105	105	105	125	125	seconds

Cycle Resync Time . . . . . 0000

Detector Parameters

SD Volume Scale Factor . . . . . 8 100 veh/hour  
SD Occupancy Scale Factor . . . . . 30 percent  
First Det No-Activity Period . . . . . 5 minutes  
Begin Time of First Nap . . . . . 0700 hours  
Second Det No-Activity Period . . . . . 60 minutes  
Begin Time of Second Nap . . . . . 2300 hours  
Det No-Activity Threshold . . . . . 6 counts/minute  
Det Maximum Presence Period . . . . . 8 minutes  
SD Min Avg Presence Period . . . . . 8 minutes  
SD Min Avg Presence Threshold . . . . . 8 countsx33.3ms @60Hz x40ms @50Hz  
SD Excessive Counts Period . . . . . 5 minutes  
SD Excessive Counts Threshold . . . . . 60 counts/minute  
Det Failure Recovery Period . . . . . 15 minutes  
Conflict Flash Timer . . . . . 10 seconds  
TRP Initial and Failure Recovery Delay . . . . . 1 sample periods  
TRP Retention Period . . . . . 15 minutes  
Speed in KPH? . . . . . NO

			Offset				
		1	2	3	4	5	
Cycle 1 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 2 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 3 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 4 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 5 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 6 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH

NIC Backup Enable . . . . . 0 minutes 0=disabled  
NIC Resync Count . . . . . 0 cycles  
NIC Time Sync Enable . . . . . .YES



Holiday Programs

---

Holiday	Month	Day	Program	Repeat
1	0	0	1	
2	0	0	1	
3	0	0	1	
4	0	0	1	
5	0	0	1	
6	0	0	1	
7	0	0	1	
8	0	0	1	
9	0	0	1	
10	0	0	1	
11	0	0	1	
12	0	0	1	
13	0	0	1	
14	0	0	1	
15	0	0	1	
16	0	0	1	
17	0	0	1	
18	0	0	1	
19	0	0	1	
20	0	0	1	
21	0	0	1	
22	0	0	1	
23	0	0	1	
24	0	0	1	
25	0	0	1	
26	0	0	1	
27	0	0	1	
28	0	0	1	
29	0	0	1	
30	0	0	1	
31	0	0	1	
32	0	0	1	
33	0	0	1	
34	0	0	1	
35	0	0	1	
36	0	0	1	

Note: 0 in month or day disables holiday

TOD Program Steps

Step No.	Pgm	Time	COS	Special Function				Maint Call		Auto		NIC Mode	XRT ENA	SAM	SMLG	SDLG
				1	2	3	4	TRP ENA	TOD OVRD							
1	1	0000	FREE							X			0	0	0	
2	1	0600	701							X			0	0	0	
3	1	0700	702							X			0	0	0	
4	1	0800	704							X			0	0	0	
5	1	0900	703							X			0	0	0	
6	1	1600	706							X			0	0	0	
7	1	1800	703							X			0	0	0	
8	1	1900	701							X			0	0	0	
9	1	2100	FREE							X			0	0	0	
10	2	0000	FREE							X			0	0	0	
11	2	0800	701							X			0	0	0	
12	2	0900	703							X			0	0	0	
13	2	1200	706							X			0	0	0	
14	2	1300	703							X			0	0	0	
15	2	1900	701							X			0	0	0	
16	2	2100	FREE							X			0	0	0	
17	3	0000	FREE							X			0	0	0	
18	3	0900	701							X			0	0	0	
19	3	1100	703							X			0	0	0	
20	3	1900	701							X			0	0	0	
21	3	2000	FREE							X			0	0	0	
22	0	0000	CLR										0	0	0	
23	0	0000	CLR										0	0	0	
24	0	0000	CLR										0	0	0	
25	0	0000	CLR										0	0	0	
26	0	0000	CLR										0	0	0	
27	0	0000	CLR										0	0	0	
28	0	0000	CLR										0	0	0	
29	0	0000	CLR										0	0	0	
30	0	0000	CLR										0	0	0	
31	0	0000	CLR										0	0	0	
32	0	0000	CLR										0	0	0	
33	0	0000	CLR										0	0	0	
34	0	0000	CLR										0	0	0	
35	0	0000	CLR										0	0	0	
36	0	0000	CLR										0	0	0	
37	0	0000	CLR										0	0	0	
38	0	0000	CLR										0	0	0	
39	0	0000	CLR										0	0	0	
40	0	0000	CLR										0	0	0	
41	0	0000	CLR										0	0	0	
42	0	0000	CLR										0	0	0	
43	0	0000	CLR										0	0	0	
44	0	0000	CLR										0	0	0	
45	0	0000	CLR										0	0	0	
46	0	0000	CLR										0	0	0	
47	0	0000	CLR										0	0	0	
48	0	0000	CLR										0	0	0	
49	0	0000	CLR										0	0	0	
50	0	0000	CLR										0	0	0	

TOD Program Steps

Step No.	Pgm	Time	COS	Special Function				Maint Call		Auto		NIC Mode	XRT ENA	SAM	SMLG	SDLG
				1	2	3	4	TRP ENA	TOD OVRD							
51	0	0000	CLR										0	0	0	
52	0	0000	CLR										0	0	0	
53	0	0000	CLR										0	0	0	
54	0	0000	CLR										0	0	0	
55	0	0000	CLR										0	0	0	
56	0	0000	CLR										0	0	0	
57	0	0000	CLR										0	0	0	
58	0	0000	CLR										0	0	0	
59	0	0000	CLR										0	0	0	
60	0	0000	CLR										0	0	0	
61	0	0000	CLR										0	0	0	
62	0	0000	CLR										0	0	0	
63	0	0000	CLR										0	0	0	
64	0	0000	CLR										0	0	0	
65	0	0000	CLR										0	0	0	
66	0	0000	CLR										0	0	0	
67	0	0000	CLR										0	0	0	
68	0	0000	CLR										0	0	0	
69	0	0000	CLR										0	0	0	
70	0	0000	CLR										0	0	0	
71	0	0000	CLR										0	0	0	
72	0	0000	CLR										0	0	0	
73	0	0000	CLR										0	0	0	
74	0	0000	CLR										0	0	0	
75	0	0000	CLR										0	0	0	
76	0	0000	CLR										0	0	0	
77	0	0000	CLR										0	0	0	
78	0	0000	CLR										0	0	0	
79	0	0000	CLR										0	0	0	
80	0	0000	CLR										0	0	0	
81	0	0000	CLR										0	0	0	
82	0	0000	CLR										0	0	0	
83	0	0000	CLR										0	0	0	
84	0	0000	CLR										0	0	0	
85	0	0000	CLR										0	0	0	
86	0	0000	CLR										0	0	0	
87	0	0000	CLR										0	0	0	
88	0	0000	CLR										0	0	0	
89	0	0000	CLR										0	0	0	
90	0	0000	CLR										0	0	0	
91	0	0000	CLR										0	0	0	
92	0	0000	CLR										0	0	0	
93	0	0000	CLR										0	0	0	
94	0	0000	CLR										0	0	0	
95	0	0000	CLR										0	0	0	
96	0	0000	CLR										0	0	0	
97	0	0000	CLR										0	0	0	
98	0	0000	CLR										0	0	0	
99	0	0000	CLR										0	0	0	
100	0	0000	CLR										0	0	0	

## TOD Program Steps

-----

Step No.	Pgm	Time	COS	Special Function				Maint Call		Auto		NIC Mode	XRT ENA	SAM	SMLG	SDLG
				1	2	3	4	TRP	TOD	ENA	OVRD					
101	0	0000	CLR										0	0	0	
102	0	0000	CLR										0	0	0	
103	0	0000	CLR										0	0	0	
104	0	0000	CLR										0	0	0	
105	0	0000	CLR										0	0	0	
106	0	0000	CLR										0	0	0	
107	0	0000	CLR										0	0	0	
108	0	0000	CLR										0	0	0	
109	0	0000	CLR										0	0	0	
110	0	0000	CLR										0	0	0	
111	0	0000	CLR										0	0	0	
112	0	0000	CLR										0	0	0	
113	0	0000	CLR										0	0	0	
114	0	0000	CLR										0	0	0	
115	0	0000	CLR										0	0	0	
116	0	0000	CLR										0	0	0	
117	0	0000	CLR										0	0	0	
118	0	0000	CLR										0	0	0	
119	0	0000	CLR										0	0	0	
120	0	0000	CLR										0	0	0	
121	0	0000	CLR										0	0	0	
122	0	0000	CLR										0	0	0	
123	0	0000	CLR										0	0	0	
124	0	0000	CLR										0	0	0	
125	0	0000	CLR										0	0	0	
126	0	0000	CLR										0	0	0	
127	0	0000	CLR										0	0	0	
128	0	0000	CLR										0	0	0	
129	0	0000	CLR										0	0	0	
130	0	0000	CLR										0	0	0	
131	0	0000	CLR										0	0	0	
132	0	0000	CLR										0	0	0	
133	0	0000	CLR										0	0	0	
134	0	0000	CLR										0	0	0	
135	0	0000	CLR										0	0	0	
136	0	0000	CLR										0	0	0	
137	0	0000	CLR										0	0	0	
138	0	0000	CLR										0	0	0	
139	0	0000	CLR										0	0	0	
140	0	0000	CLR										0	0	0	
141	0	0000	CLR										0	0	0	
142	0	0000	CLR										0	0	0	
143	0	0000	CLR										0	0	0	
144	0	0000	CLR										0	0	0	
145	0	0000	CLR										0	0	0	
146	0	0000	CLR										0	0	0	
147	0	0000	CLR										0	0	0	
148	0	0000	CLR										0	0	0	
149	0	0000	CLR										0	0	0	
150	0	0000	CLR										0	0	0	





Automatic Programs

-----  
Sample Period in Cycles? . . . . . NO  
Sample Period . . . . . 5 minutes  
TRP Level Alarm Threshold . . . . . 0 level 0=diagnostic disabled

Function Computations:

	LEV	DR1	DR2	SPA	SPB	ART	NRT
Traffic Param. . . . .	VOL	VOL	VOL	0	0	0	0
Value/Groups . . . . .	AV	AV	AV	N/A	N/A	N/A	N/A
Smoothing Factor . . . . .	50	50	50	50	50	50	50 percent
Update Threshold . . . . .	0	0	0	0	0	0	0 percent

Thresholds:

Level	Offset	Split	Non-Arterial
2>1. . . 29	1>AV. . . 4	2>1. . . 101	NRT>ART. 100
1>2. . . 36	AV>1. . . 21	1>2. . . 101	ART>NRT. 100
3>2. . . 50	2>AV. . . 4	3>2. . . 101	
2>3. . . 62	AV>2. . . 21	2>3. . . 101	
4>3. . . 80		4>3. . . 101	
3>4. . . 92		3>4. . . 101	
5>4. . . 101			
4>5. . . 101			

TRP Split/Special Functions

-----

			Special Functions			
	CLEAR	SPLIT	1	2	3	4
Split/Special Function 1 . . . .	NO	1	OFF	OFF	OFF	OFF
Split/Special Function 2 . . . .	NO	2	OFF	OFF	OFF	OFF
Split/Special Function 3 . . . .	NO	3	OFF	OFF	OFF	OFF
Split/Special Function 4 . . . .	NO	4	OFF	OFF	OFF	OFF

Traffic Responsive Plans

		Special Functions					
		CLEAR	COS	1	2	3	4
Level 1 - Direction 1 . . . .		NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Direction 2 . . . .		NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Average . . . . .		NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Non Arterial. . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 2 - Direction 1 . . . .		NO	701	OFF	OFF	OFF	OFF
Level 2 - Direction 2 . . . .		NO	701	OFF	OFF	OFF	OFF
Level 2 - Average . . . . .		NO	701	OFF	OFF	OFF	OFF
Level 2 - Non Arterial. . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 3 - Direction 1 . . . .		NO	702	OFF	OFF	OFF	OFF
Level 3 - Direction 2 . . . .		NO	704	OFF	OFF	OFF	OFF
Level 3 - Average . . . . .		NO	703	OFF	OFF	OFF	OFF
Level 3 - Non Arterial. . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 4 - Direction 1 . . . .		NO	705	OFF	OFF	OFF	OFF
Level 4 - Direction 2 . . . .		NO	707	OFF	OFF	OFF	OFF
Level 4 - Average . . . . .		NO	706	OFF	OFF	OFF	OFF
Level 4 - Non Arterial. . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Direction 1 . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Direction 2 . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Average . . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Non Arterial. . . .		YES	CLR	OFF	OFF	OFF	OFF

XRT Synchronization

-----

		XRT Offset				
	Master Cycle	OF1	OF2	OF3	OF4	OF5
Submaster Cycle 1 . . . . .	0	0	0	0	0	0
Submaster Cycle 2 . . . . .	0	0	0	0	0	0
Submaster Cycle 3 . . . . .	0	0	0	0	0	0
Submaster Cycle 4 . . . . .	0	0	0	0	0	0
Submaster Cycle 5 . . . . .	0	0	0	0	0	0
Submaster Cycle 6 . . . . .	0	0	0	0	0	0

Minimum Sync Period . . . . . 0 cycles 0=disabled XRT sync  
Crossing Artery Controller. . . 0 Controller no. if telemetry connected.  
If zero, I/O signals are used.







Logging Parameters

-----  
 Enable:

Sample Period Log. . . . . NO  
 System Detector Log. . . . . NO  
 Speed Log. . . . . NO  
 SD and SPD Log Buffer. . . . . YES  
 Log Transfer Reference Time. . 0000

Default Sample Log Period. . . 0 sample periods  
 Default SD & SPD Log Period. . 15 minutes  
 Event Reporting Delay. . . . . 0 minutes  
 Log Transfer Interval. . . . . 6 hours

System Detector No.

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16  
 Assign System Det to Log. . X X X X X X X X X X X X X X X X

System Detector No.

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32  
 Assign System Det to Log. . X X X . . . . . . . . . . . . . . . .

Speed	Assign Spd	Spd Log	Spd Log
Trap No.	Trap to Log	Lower Threshold	Higher Threshold
1	NO	0	0
2	NO	0	0
3	NO	0	0
4	NO	0	0
5	NO	0	0
6	NO	0	0
7	NO	0	0
8	NO	0	0

System Detector Names

Det 1: Darrow Rd & Barlow Rd, NB L1	Det 17: Darrow & Corporate
Det 2: Darrow Rd & Barlow Rd, SB L2	Det 18: Darrow & Corporate
Det 3: Darrow Rd & Terex Rd, WBRL S	Det 19: Darrow & Corporate
Det 4: Darrow Rd & Terex Rd, WBLL S	Det 20: System Detector 20
Det 5: Darrow Rd & Terex Rd, NBLL S	Det 21: System Detector 21
Det 6: Darrow Rd & Terex Rd, NBRL S	Det 22: System Detector 22
Det 7: Darrow Rd & Terex Rd, EBLL S	Det 23: System Detector 23
Det 8: Darrow Rd & Terex Rd, EBRL S	Det 24: System Detector 24
Det 9: Darrow Rd & Terex Rd, SBRL S	Det 25: System Detector 25
Det 10: Darrow Rd & Terex Rd, SBLL S	Det 26: System Detector 26
Det 11: Terex Rd & Hudson Dr, EBLL S	Det 27: System Detector 27
Det 12: Terex Rd & Hudson Dr, EBRL S	Det 28: System Detector 28
Det 13: Terex Rd & Hudson Dr, WB SL-	Det 29: System Detector 29
Det 14: Darrow Rd & Stoney Hill SB	Det 30: System Detector 30
Det 15: Darrow Rd & Stoney Hill NB	Det 31: System Detector 31
Det 16: Darrow & Corporate	Det 32: System Detector 32

Configuration Data

-----  
Modem Speed . . . . . 9600 BPS

Maintenance Report Options:

Priority 1 Events? . . . . . NO If NO, then device events.  
Delay Next Priority 1 Report? . NO Times event report delay.  
Store on Disk? . . . . . NO If NO, then text message.

Data for Alternate Modem:

Configuration Command: AT&FEVX1M\N1%CS37=9S38=0\$SB9600&W  
Reset Delay . . . . . 5 1/10 seconds

Command Timeout . . . . . 0 minutes 0=diagnostic disabled

Enable Daylight Savings . . . . YES  
Begin DST 1st Sunday in April . NO  
System Flash Cmd is Spec. Func. 1  
Supervisor Access Code . . . . \*\*\*\*  
Data Change Access Code . . . . \*\*\*\*

Modem Operation:

Event Monitor Number . . . . .  
Log Monitor Number . . . . .  
Maintenance Number . . . . .  
Network Access Prefix . . . . . ?m??  
Zone Master IV on DPS? . . . . . NO  
Tone Dialing . . . . . YES  
Retry Count . . . . . 2  
Min Retry Interval . . . . . 3  
Max Retry Interval . . . . . 3

Alarms and Events

-----  
System:

Backup . . . . . Don't report  
Clock Error. . . . . Alarm  
Power On/Off . . . . . Alarm  
Power Interrupt < 0.7 sec. Alarm  
Device On-Line . . . . . Don't report

Controller:

Cycle Fail . . . . . Alarm  
CMU Flash. . . . . Alarm  
Local Flash. . . . . Alarm  
Commanded Flash. . . . . Don't report  
Maintenance Required . . . Don't report  
Coordination Alarm . . . . Alarm  
Coordination Error . . . . Don't report  
Preempt. . . . . Alarm  
Local Free . . . . . Don't report  
Alarm 1. . . . . Alarm  
Alarm 2. . . . . Alarm  
Commanded Free . . . . . Don't report

Other Devices:

TLM Chn Fail & NIC Backup. Alarm  
Local Telemetry Failure. . Alarm  
System Detector Failure. . Alarm  
Local Detector Failure . . Alarm  
Speed Trap Failure . . . . Don't report  
Speed Sign Failure . . . . Don't report

Program/Commands:

Program Change . . . . . Alarm  
Auto Program Change. . . . Don't report  
TRP Level Alarm. . . . . Don't report  
Special Function Change. . Don't report  
TOD Program Step Change. . Don't report  
Command Mode Change. . . . Don't report

I/O Assignments

---

Pin	Signal
1	Cycle 1 Input
2	Cycle 2 Input
3	Cycle 4 Input
4	Offset 1 Input
5	Offset 2 Input
6	Offset 4 Input
7	Split 1 Input
8	Split 2 Input
9	Force Ext. Plan Input
10	Free Input
11	NIC Backup Input
12	Off
13	Off
14	Off
15	Off
16	Off
17	Off
18	Off
19	Off
20	Off
21	Off
22	Off
23	Off
24	Off

**Zone #2**

**Darrow Road / Main Street North**

System Parameters

-----  
 Master Number . . . . . 2

			Special Functions			
	Enabled	COS	1	2	3	4
Manual Plan . . . . .	NO	707	OFF	OFF	OFF	OFF

			Cycles					
		1	2	3	4	5	6	
Cycle Length. . . . .	.105	105	105	125	125	125		seconds

Cycle Resync Time . . . . . 0000

Detector Parameters

SD Volume Scale Factor . . . . . 8 100 veh/hour  
 SD Occupancy Scale Factor . . . . . 100 percent  
 First Det No-Activity Period . . . . . 20 minutes  
 Begin Time of First Nap . . . . . 0700 hours  
 Second Det No-Activity Period . . . . . 60 minutes  
 Begin Time of Second Nap . . . . . 1900 hours  
 Det No-Activity Threshold . . . . . 10 counts/minute  
 Det Maximum Presence Period . . . . . 20 minutes  
 SD Min Avg Presence Period . . . . . 10 minutes  
 SD Min Avg Presence Threshold . . . . . 1 countsx33.3ms @60Hz x40ms @50Hz  
 SD Excessive Counts Period . . . . . 2 minutes  
 SD Excessive Counts Threshold . . . . . 80 counts/minute  
 Det Failure Recovery Period . . . . . 15 minutes  
 Conflict Flash Timer . . . . . 10 seconds  
 TRP Initial and Failure Recovery Delay . . . . . 4 sample periods  
 TRP Retention Period . . . . . 15 minutes  
 Speed in KPH? . . . . . NO

		Offset					
		1	2	3	4	5	
Cycle 1 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 2 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 3 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 4 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 5 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 6 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH

NIC Backup Enable . . . . . 0 minutes 0=disabled  
 NIC Resync Count . . . . . 0 cycles  
 NIC Time Sync Enable . . . . . .YES



Holiday Programs

---

Holiday	Month	Day	Program	Repeat
1	0	0	1	
2	0	0	1	
3	0	0	1	
4	0	0	1	
5	0	0	1	
6	0	0	1	
7	0	0	1	
8	0	0	1	
9	0	0	1	
10	0	0	1	
11	0	0	1	
12	0	0	1	
13	0	0	1	
14	0	0	1	
15	0	0	1	
16	0	0	1	
17	0	0	1	
18	0	0	1	
19	0	0	1	
20	0	0	1	
21	0	0	1	
22	0	0	1	
23	0	0	1	
24	0	0	1	
25	0	0	1	
26	0	0	1	
27	0	0	1	
28	0	0	1	
29	0	0	1	
30	0	0	1	
31	0	0	1	
32	0	0	1	
33	0	0	1	
34	0	0	1	
35	0	0	1	
36	0	0	1	

Note: 0 in month or day disables holiday

TOD Program Steps

Step No.	Pgm	Time	COS	Special Function				Maint Call		Auto		NIC Mode	XRT ENA	SAM	SMLG	SDLG
				1	2	3	4	TRP	TOD	ENA	OVRD					
								ENA								
1	1	0000	FREE						X				0	0	0	
2	1	0600	701						X				0	0	0	
3	1	0645	702						X				0	0	0	
4	1	0730	705						X				0	0	0	
5	1	0815	703						X				0	0	0	
6	1	1600	707						X				0	0	0	
7	1	1845	704						X				0	0	0	
8	1	1915	701						X				0	0	0	
9	1	2100	FREE						X				0	0	0	
10	2	0000	FREE						X				0	0	0	
11	2	0800	701						X				0	0	0	
12	2	0900	703						X				0	0	0	
13	2	1200	704						X				0	0	0	
14	2	1330	703						X				0	0	0	
15	2	1930	701						X				0	0	0	
16	2	2100	FREE						X				0	0	0	
17	3	0000	FREE						X				0	0	0	
18	3	0900	701						X				0	0	0	
19	3	1000	704						X				0	0	0	
20	3	1900	701						X				0	0	0	
21	3	2000	FREE						X				0	0	0	
22	0	0000	CLR										0	0	0	
23	0	0000	CLR										0	0	0	
24	0	0000	CLR										0	0	0	
25	0	0000	CLR										0	0	0	
26	0	0000	CLR										0	0	0	
27	0	0000	CLR										0	0	0	
28	0	0000	CLR										0	0	0	
29	0	0000	CLR										0	0	0	
30	0	0000	CLR										0	0	0	
31	0	0000	CLR										0	0	0	
32	0	0000	CLR										0	0	0	
33	0	0000	CLR										0	0	0	
34	0	0000	CLR										0	0	0	
35	0	0000	CLR										0	0	0	
36	0	0000	CLR										0	0	0	
37	0	0000	CLR										0	0	0	
38	0	0000	CLR										0	0	0	
39	0	0000	CLR										0	0	0	
40	0	0000	CLR										0	0	0	
41	0	0000	CLR										0	0	0	
42	0	0000	CLR										0	0	0	
43	0	0000	CLR										0	0	0	
44	0	0000	CLR										0	0	0	
45	0	0000	CLR										0	0	0	
46	0	0000	CLR										0	0	0	
47	0	0000	CLR										0	0	0	
48	0	0000	CLR										0	0	0	
49	0	0000	CLR										0	0	0	
50	0	0000	CLR										0	0	0	

TOD Program Steps

Step No.	Pgm	Time	COS	Special Function				Maint Call		Auto		NIC Mode	XRT ENA	SAM	SMLG	SDLG
				1	2	3	4	TRP ENA	TOD OVRD							
51	0	0000	CLR										0	0	0	
52	0	0000	CLR										0	0	0	
53	0	0000	CLR										0	0	0	
54	0	0000	CLR										0	0	0	
55	0	0000	CLR										0	0	0	
56	0	0000	CLR										0	0	0	
57	0	0000	CLR										0	0	0	
58	0	0000	CLR										0	0	0	
59	0	0000	CLR										0	0	0	
60	0	0000	CLR										0	0	0	
61	0	0000	CLR										0	0	0	
62	0	0000	CLR										0	0	0	
63	0	0000	CLR										0	0	0	
64	0	0000	CLR										0	0	0	
65	0	0000	CLR										0	0	0	
66	0	0000	CLR										0	0	0	
67	0	0000	CLR										0	0	0	
68	0	0000	CLR										0	0	0	
69	0	0000	CLR										0	0	0	
70	0	0000	CLR										0	0	0	
71	0	0000	CLR										0	0	0	
72	0	0000	CLR										0	0	0	
73	0	0000	CLR										0	0	0	
74	0	0000	CLR										0	0	0	
75	0	0000	CLR										0	0	0	
76	0	0000	CLR										0	0	0	
77	0	0000	CLR										0	0	0	
78	0	0000	CLR										0	0	0	
79	0	0000	CLR										0	0	0	
80	0	0000	CLR										0	0	0	
81	0	0000	CLR										0	0	0	
82	0	0000	CLR										0	0	0	
83	0	0000	CLR										0	0	0	
84	0	0000	CLR										0	0	0	
85	0	0000	CLR										0	0	0	
86	0	0000	CLR										0	0	0	
87	0	0000	CLR										0	0	0	
88	0	0000	CLR										0	0	0	
89	0	0000	CLR										0	0	0	
90	0	0000	CLR										0	0	0	
91	0	0000	CLR										0	0	0	
92	0	0000	CLR										0	0	0	
93	0	0000	CLR										0	0	0	
94	0	0000	CLR										0	0	0	
95	0	0000	CLR										0	0	0	
96	0	0000	CLR										0	0	0	
97	0	0000	CLR										0	0	0	
98	0	0000	CLR										0	0	0	
99	0	0000	CLR										0	0	0	
100	0	0000	CLR										0	0	0	

TOD Program Steps

---

Step No.	Pgm	Time	COS	Special Function				Maint Call		Auto		NIC Mode	XRT ENA	SAM	SMLG	SDLG
				1	2	3	4	TRP	TOD	ENA	OVRD					
101	0	0000	CLR										0	0	0	
102	0	0000	CLR										0	0	0	
103	0	0000	CLR										0	0	0	
104	0	0000	CLR										0	0	0	
105	0	0000	CLR										0	0	0	
106	0	0000	CLR										0	0	0	
107	0	0000	CLR										0	0	0	
108	0	0000	CLR										0	0	0	
109	0	0000	CLR										0	0	0	
110	0	0000	CLR										0	0	0	
111	0	0000	CLR										0	0	0	
112	0	0000	CLR										0	0	0	
113	0	0000	CLR										0	0	0	
114	0	0000	CLR										0	0	0	
115	0	0000	CLR										0	0	0	
116	0	0000	CLR										0	0	0	
117	0	0000	CLR										0	0	0	
118	0	0000	CLR										0	0	0	
119	0	0000	CLR										0	0	0	
120	0	0000	CLR										0	0	0	
121	0	0000	CLR										0	0	0	
122	0	0000	CLR										0	0	0	
123	0	0000	CLR										0	0	0	
124	0	0000	CLR										0	0	0	
125	0	0000	CLR										0	0	0	
126	0	0000	CLR										0	0	0	
127	0	0000	CLR										0	0	0	
128	0	0000	CLR										0	0	0	
129	0	0000	CLR										0	0	0	
130	0	0000	CLR										0	0	0	
131	0	0000	CLR										0	0	0	
132	0	0000	CLR										0	0	0	
133	0	0000	CLR										0	0	0	
134	0	0000	CLR										0	0	0	
135	0	0000	CLR										0	0	0	
136	0	0000	CLR										0	0	0	
137	0	0000	CLR										0	0	0	
138	0	0000	CLR										0	0	0	
139	0	0000	CLR										0	0	0	
140	0	0000	CLR										0	0	0	
141	0	0000	CLR										0	0	0	
142	0	0000	CLR										0	0	0	
143	0	0000	CLR										0	0	0	
144	0	0000	CLR										0	0	0	
145	0	0000	CLR										0	0	0	
146	0	0000	CLR										0	0	0	
147	0	0000	CLR										0	0	0	
148	0	0000	CLR										0	0	0	
149	0	0000	CLR										0	0	0	
150	0	0000	CLR										0	0	0	





Automatic Programs

-----  
 Sample Period in Cycles? . . . . . NO  
 Sample Period . . . . . 7 minutes  
 TRP Level Alarm Threshold . . . . . 0 level 0=diagnostic disabled

Function Computations:

	LEV	DR1	DR2	SPA	SPB	ART	NRT
Traffic Param. . . . .	VOL	VOL	VOL	0	0	0	0
Value/Groups . . . . .	AV	1	1	N/A	N/A	N/A	N/A
Smoothing Factor . . . . .	50	50	50	50	50	50	50 percent
Update Threshold . . . . .	0	0	0	0	0	0	0 percent

Thresholds:

Level	Offset	Split	Non-Arterial
2>1. . . 28	1>AV. . . 2	2>1. . . 101	NRT>ART. 100
1>2. . . 35	AV>1. . . 18	1>2. . . 101	ART>NRT. 100
3>2. . . 45	2>AV. . . 2	3>2. . . 101	
2>3. . . 55	AV>2. . . 18	2>3. . . 101	
4>3. . . 65		4>3. . . 101	
3>4. . . 75		3>4. . . 101	
5>4. . . 101			
4>5. . . 101			

TRP Split/Special Functions

-----

			Special Functions			
	CLEAR	SPLIT	1	2	3	4
Split/Special Function 1 . . . .	NO	1	OFF	OFF	OFF	OFF
Split/Special Function 2 . . . .	NO	2	OFF	OFF	OFF	OFF
Split/Special Function 3 . . . .	NO	3	OFF	OFF	OFF	OFF
Split/Special Function 4 . . . .	NO	4	OFF	OFF	OFF	OFF

Traffic Responsive Plans

		Special Functions					
		CLEAR	COS	1	2	3	4
Level 1 - Direction 1 . . . . .		NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Direction 2 . . . . .		NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Average . . . . .		NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Non Arterial. . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 2 - Direction 1 . . . . .		NO	701	OFF	OFF	OFF	OFF
Level 2 - Direction 2 . . . . .		NO	701	OFF	OFF	OFF	OFF
Level 2 - Average . . . . .		NO	701	OFF	OFF	OFF	OFF
Level 2 - Non Arterial. . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 3 - Direction 1 . . . . .		NO	702	OFF	OFF	OFF	OFF
Level 3 - Direction 2 . . . . .		NO	704	OFF	OFF	OFF	OFF
Level 3 - Average . . . . .		NO	703	OFF	OFF	OFF	OFF
Level 3 - Non Arterial. . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 4 - Direction 1 . . . . .		NO	705	OFF	OFF	OFF	OFF
Level 4 - Direction 2 . . . . .		NO	707	OFF	OFF	OFF	OFF
Level 4 - Average . . . . .		NO	706	OFF	OFF	OFF	OFF
Level 4 - Non Arterial. . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Direction 1 . . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Direction 2 . . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Average . . . . .		YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Non Arterial. . . . .		YES	CLR	OFF	OFF	OFF	OFF











Configuration Data

-----  
Modem Speed . . . . . 9600 BPS

Maintenance Report Options:

Priority 1 Events? . . . . . NO If NO, then device events.  
Delay Next Priority 1 Report? . NO Times event report delay.  
Store on Disk? . . . . . NO If NO, then text message.

Data for Alternate Modem:

Configuration Command:

Reset Delay . . . . . 5 1/10 seconds

Command Timeout . . . . . 0 minutes 0=diagnostic disabled

Enable Daylight Savings . . . . YES  
Begin DST 1st Sunday in April . NO  
System Flash Cmd is Spec. Func. 1  
Supervisor Access Code . . . . \*\*\*\*  
Data Change Access Code . . . . \*\*\*\*

Modem Operation:

Event Monitor Number . . . . .  
Log Monitor Number . . . . .  
Maintenance Number . . . . .  
Network Access Prefix . . . . .  
Zone Master IV on DPS? . . . . . NO  
Tone Dialing . . . . . YES  
Retry Count . . . . . 2  
Min Retry Interval . . . . . 3  
Max Retry Interval . . . . . 3

Alarms and Events

-----  
System:

Backup . . . . . Alarm  
Clock Error. . . . . Alarm  
Power On/Off . . . . . Alarm  
Power Interrupt < 0.7 sec. Alarm  
Device On-Line . . . . . Don't report

Controller:

Cycle Fail . . . . . Alarm  
CMU Flash. . . . . Alarm  
Local Flash. . . . . Alarm  
Commanded Flash. . . . . Alarm  
Maintenance Required . . . Don't report  
Coordination Alarm . . . . Alarm  
Coordination Error . . . . Alarm  
Preempt. . . . . Alarm  
Local Free . . . . . Alarm  
Alarm 1. . . . . Alarm  
Alarm 2. . . . . Don't report  
Commanded Free . . . . . Alarm

Other Devices:

TLM Chn Fail & NIC Backup. Alarm  
Local Telemetry Failure. . Alarm  
System Detector Failure. . Alarm  
Local Detector Failure . . Don't report  
Speed Trap Failure . . . . Don't report  
Speed Sign Failure . . . . Don't report

Program/Commands:

Program Change . . . . . Alarm  
Auto Program Change. . . . Don't report  
TRP Level Alarm. . . . . Don't report  
Special Function Change. . Don't report  
TOD Program Step Change. . Don't report  
Command Mode Change. . . . Don't report

## I/O Assignments

---

Pin	Signal
1	System Detector 1
2	System Detector 2
3	System Detector 3
4	System Detector 4
5	System Detector 5
6	System Detector 6
7	System Detector 7
8	System Detector 8
9	Cycle 1 Output
10	Cycle 2 Output
11	Free Input
12	NIC Backup Input
13	Force Ext. Plan Input
14	Offset 4 Output
15	Split 1 Output
16	Split 2 Output
17	Master Zero Output
18	Off
19	Off
20	Off
21	Off
22	Off
23	Off
24	Off

**Zone #3**  
**W. Streetsboro Road**

System Parameters

-----  
 Master Number . . . . . 3

			Special Functions			
	Enabled	COS	1	2	3	4
Manual Plan . . . . .	NO	331	OFF	OFF	OFF	OFF

			Cycles					
		1	2	3	4	5	6	
Cycle Length. . . . .	80	105	105	105	125	125		seconds

Cycle Resync Time . . . . . 0000

Detector Parameters

SD Volume Scale Factor . . . . . 6 100 veh/hour  
 SD Occupancy Scale Factor . . . . . 30 percent  
 First Det No-Activity Period . . . . . 20 minutes  
 Begin Time of First Nap . . . . . 0700 hours  
 Second Det No-Activity Period . . . . . 60 minutes  
 Begin Time of Second Nap . . . . . 1900 hours  
 Det No-Activity Threshold . . . . . 10 counts/minute  
 Det Maximum Presence Period . . . . . 4 minutes  
 SD Min Avg Presence Period . . . . . 10 minutes  
 SD Min Avg Presence Threshold . . . . . 1 countsx33.3ms @60Hz x40ms @50Hz  
 SD Excessive Counts Period . . . . . 2 minutes  
 SD Excessive Counts Threshold . . . . . 80 counts/minute  
 Det Failure Recovery Period . . . . . 15 minutes  
 Conflict Flash Timer . . . . . 10 seconds  
 TRP Initial and Failure Recovery Delay . . . . . 4 sample periods  
 TRP Retention Period . . . . . 15 minutes  
 Speed in KPH? . . . . . NO

		Offset					
		1	2	3	4	5	
Cycle 1 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 2 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 3 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 4 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 5 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH
Cycle 6 Nominal Speeds. . . . .	0	0	0	0	0	0	MPH or KPH

NIC Backup Enable . . . . . 0 minutes 0=disabled  
 NIC Resync Count . . . . . 0 cycles  
 NIC Time Sync Enable . . . . . .YES

TOD Weekly/Yearly

Enable TOD Plan? . . . . . YES
Enable TOD Special Functions?. . NO
Enable TRP Default?. . . . . NO

Table with columns for Weekly Program Numbers (1-10) and rows for days of the week (Sunday-Saturday). Includes 'Program No.' column.

Table with columns for Week of Year (1-53) and rows for Program (Prog). Shows program numbers for each week.

Holiday Programs

-----

Holiday	Month	Day	Program	Repeat
1	0	0	1	
2	0	0	1	
3	0	0	1	
4	0	0	1	
5	0	0	1	
6	0	0	1	
7	0	0	1	
8	0	0	1	
9	0	0	1	
10	0	0	1	
11	0	0	1	
12	0	0	1	
13	0	0	1	
14	0	0	1	
15	0	0	1	
16	0	0	1	
17	0	0	1	
18	0	0	1	
19	0	0	1	
20	0	0	1	
21	0	0	1	
22	0	0	1	
23	0	0	1	
24	0	0	1	
25	0	0	1	
26	0	0	1	
27	0	0	1	
28	0	0	1	
29	0	0	1	
30	0	0	1	
31	0	0	1	
32	0	0	1	
33	0	0	1	
34	0	0	1	
35	0	0	1	
36	0	0	1	

Note: 0 in month or day disables holiday

## TOD Program Steps

```

-----
Step  Pgm  Time  COS   Special   Maint   Auto   NIC  XRT  SAM  SMLG  SDLG
No.                                     TRP  TOD  Mode  ENA
      1 2 3 4      ENA  OVRD
  1    3  0000  FREE                X                0    0    0
  2    4  0000  FREE                X                0    0    0
  3    4  0600  701                X                0    0    0
  4    4  1000  703                X                0    0    0
  5    4  1500  707                X                0    0    0
  6    4  1930  FREE                X                0    0    0
  7    5  0000  FREE                X                0    0    0
  8    5  0830  702                X                0    0    0
  9    5  1800  701                X                0    0    0
 10    0  0000  CLR                0    0    0
 11    0  0000  CLR                0    0    0
 12    0  0000  CLR                0    0    0
 13    0  0000  CLR                0    0    0
 14    0  0000  CLR                0    0    0
 15    0  0000  CLR                0    0    0
 16    0  0000  CLR                0    0    0
 17    0  0000  CLR                0    0    0
 18    0  0000  CLR                0    0    0
 19    0  0000  CLR                0    0    0
 20    0  0000  CLR                0    0    0
 21    0  0000  CLR                0    0    0
 22    0  0000  CLR                0    0    0
 23    0  0000  CLR                0    0    0
 24    0  0000  CLR                0    0    0
 25    0  0000  CLR                0    0    0
 26    0  0000  CLR                0    0    0
 27    0  0000  CLR                0    0    0
 28    0  0000  CLR                0    0    0
 29    0  0000  CLR                0    0    0
 30    0  0000  CLR                0    0    0
 31    0  0000  CLR                0    0    0
 32    0  0000  CLR                0    0    0
 33    0  0000  CLR                0    0    0
 34    0  0000  CLR                0    0    0
 35    0  0000  CLR                0    0    0
 36    0  0000  CLR                0    0    0
 37    0  0000  CLR                0    0    0
 38    0  0000  CLR                0    0    0
 39    0  0000  CLR                0    0    0
 40    0  0000  CLR                0    0    0
 41    0  0000  CLR                0    0    0
 42    0  0000  CLR                0    0    0
 43    0  0000  CLR                0    0    0
 44    0  0000  CLR                0    0    0
 45    0  0000  CLR                0    0    0
 46    0  0000  CLR                0    0    0
 47    0  0000  CLR                0    0    0
 48    0  0000  CLR                0    0    0
 49    0  0000  CLR                0    0    0
 50    0  0000  CLR                0    0    0

```

## TOD Program Steps

-----

Step No.	Pgm	Time	COS	Special				Auto		NIC Mode	XRT ENA	SAM	SMLG	SDLG
				Function				TRP	TOD					
				1	2	3	4	ENA	OVRD					
51	0	0000	CLR								0	0	0	
52	0	0000	CLR								0	0	0	
53	0	0000	CLR								0	0	0	
54	0	0000	CLR								0	0	0	
55	0	0000	CLR								0	0	0	
56	0	0000	CLR								0	0	0	
57	0	0000	CLR								0	0	0	
58	0	0000	CLR								0	0	0	
59	0	0000	CLR								0	0	0	
60	0	0000	CLR								0	0	0	
61	0	0000	CLR								0	0	0	
62	0	0000	CLR								0	0	0	
63	0	0000	CLR								0	0	0	
64	0	0000	CLR								0	0	0	
65	0	0000	CLR								0	0	0	
66	0	0000	CLR								0	0	0	
67	0	0000	CLR								0	0	0	
68	0	0000	CLR								0	0	0	
69	0	0000	CLR								0	0	0	
70	0	0000	CLR								0	0	0	
71	0	0000	CLR								0	0	0	
72	0	0000	CLR								0	0	0	
73	0	0000	CLR								0	0	0	
74	0	0000	CLR								0	0	0	
75	0	0000	CLR								0	0	0	
76	0	0000	CLR								0	0	0	
77	0	0000	CLR								0	0	0	
78	0	0000	CLR								0	0	0	
79	0	0000	CLR								0	0	0	
80	0	0000	CLR								0	0	0	
81	0	0000	CLR								0	0	0	
82	0	0000	CLR								0	0	0	
83	0	0000	CLR								0	0	0	
84	0	0000	CLR								0	0	0	
85	0	0000	CLR								0	0	0	
86	0	0000	CLR								0	0	0	
87	0	0000	CLR								0	0	0	
88	0	0000	CLR								0	0	0	
89	0	0000	CLR								0	0	0	
90	0	0000	CLR								0	0	0	
91	0	0000	CLR								0	0	0	
92	0	0000	CLR								0	0	0	
93	0	0000	CLR								0	0	0	
94	0	0000	CLR								0	0	0	
95	0	0000	CLR								0	0	0	
96	0	0000	CLR								0	0	0	
97	0	0000	CLR								0	0	0	
98	0	0000	CLR								0	0	0	
99	0	0000	CLR								0	0	0	
100	0	0000	CLR								0	0	0	

## TOD Program Steps

-----

Step No.	Pgm	Time	COS	Special				Auto		NIC Mode	XRT ENA	SAM	SMLG	SDLG
				Function				TRP	TOD					
				1	2	3	4	ENA	OVRD					
101	0	0000	CLR								0	0	0	
102	0	0000	CLR								0	0	0	
103	0	0000	CLR								0	0	0	
104	0	0000	CLR								0	0	0	
105	0	0000	CLR								0	0	0	
106	0	0000	CLR								0	0	0	
107	0	0000	CLR								0	0	0	
108	0	0000	CLR								0	0	0	
109	0	0000	CLR								0	0	0	
110	0	0000	CLR								0	0	0	
111	0	0000	CLR								0	0	0	
112	0	0000	CLR								0	0	0	
113	0	0000	CLR								0	0	0	
114	0	0000	CLR								0	0	0	
115	0	0000	CLR								0	0	0	
116	0	0000	CLR								0	0	0	
117	0	0000	CLR								0	0	0	
118	0	0000	CLR								0	0	0	
119	0	0000	CLR								0	0	0	
120	0	0000	CLR								0	0	0	
121	0	0000	CLR								0	0	0	
122	0	0000	CLR								0	0	0	
123	0	0000	CLR								0	0	0	
124	0	0000	CLR								0	0	0	
125	0	0000	CLR								0	0	0	
126	0	0000	CLR								0	0	0	
127	0	0000	CLR								0	0	0	
128	0	0000	CLR								0	0	0	
129	0	0000	CLR								0	0	0	
130	0	0000	CLR								0	0	0	
131	0	0000	CLR								0	0	0	
132	0	0000	CLR								0	0	0	
133	0	0000	CLR								0	0	0	
134	0	0000	CLR								0	0	0	
135	0	0000	CLR								0	0	0	
136	0	0000	CLR								0	0	0	
137	0	0000	CLR								0	0	0	
138	0	0000	CLR								0	0	0	
139	0	0000	CLR								0	0	0	
140	0	0000	CLR								0	0	0	
141	0	0000	CLR								0	0	0	
142	0	0000	CLR								0	0	0	
143	0	0000	CLR								0	0	0	
144	0	0000	CLR								0	0	0	
145	0	0000	CLR								0	0	0	
146	0	0000	CLR								0	0	0	
147	0	0000	CLR								0	0	0	
148	0	0000	CLR								0	0	0	
149	0	0000	CLR								0	0	0	
150	0	0000	CLR								0	0	0	





Automatic Programs

-----  
 Sample Period in Cycles? . . . . . NO  
 Sample Period . . . . . 7 minutes  
 TRP Level Alarm Threshold . . . . . 0 level 0=diagnostic disabled

Function Computations:

	LEV	DR1	DR2	SPA	SPB	ART	NRT
Traffic Param. . . . .	VOL	VOL	VOL	0	0	0	0
Value/Groups . . . . .	AV	AV	AV	N/A	N/A	N/A	N/A
Smoothing Factor . . . . .	50	50	50	50	50	50	50 percent
Update Threshold . . . . .	0	0	0	0	0	0	0 percent

Thresholds:

	Level	Offset	Split	Non-Arterial
2>1. . . . .	24	1>AV. . . . . 3	2>1. . . . . 101	NRT>ART. 100
1>2. . . . .	31	AV>1. . . . . 17	1>2. . . . . 101	ART>NRT. 100
3>2. . . . .	35	2>AV. . . . . 3	3>2. . . . . 101	
2>3. . . . .	45	AV>2. . . . . 17	2>3. . . . . 101	
4>3. . . . .	49		4>3. . . . . 101	
3>4. . . . .	59		3>4. . . . . 101	
5>4. . . . .	101			
4>5. . . . .	101			

TRP Split/Special Functions

---

			Special Functions			
	CLEAR	SPLIT	1	2	3	4
Split/Special Function 1 . . . .	NO	1	OFF	OFF	OFF	OFF
Split/Special Function 2 . . . .	NO	2	OFF	OFF	OFF	OFF
Split/Special Function 3 . . . .	NO	3	OFF	OFF	OFF	OFF
Split/Special Function 4 . . . .	NO	4	OFF	OFF	OFF	OFF

## Traffic Responsive Plans

			Special Functions			
	CLEAR	COS	1	2	3	4
Level 1 - Direction 1 . . . .	NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Direction 2 . . . .	NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Average . . . . .	NO	FREE	OFF	OFF	OFF	OFF
Level 1 - Non Arterial. . . .	YES	CLR	OFF	OFF	OFF	OFF
Level 2 - Direction 1 . . . .	NO	701	OFF	OFF	OFF	OFF
Level 2 - Direction 2 . . . .	NO	701	OFF	OFF	OFF	OFF
Level 2 - Average . . . . .	NO	701	OFF	OFF	OFF	OFF
Level 2 - Non Arterial. . . .	YES	CLR	OFF	OFF	OFF	OFF
Level 3 - Direction 1 . . . .	NO	702	OFF	OFF	OFF	OFF
Level 3 - Direction 2 . . . .	NO	704	OFF	OFF	OFF	OFF
Level 3 - Average . . . . .	NO	703	OFF	OFF	OFF	OFF
Level 3 - Non Arterial. . . .	YES	CLR	OFF	OFF	OFF	OFF
Level 4 - Direction 1 . . . .	NO	705	OFF	OFF	OFF	OFF
Level 4 - Direction 2 . . . .	NO	707	OFF	OFF	OFF	OFF
Level 4 - Average . . . . .	NO	706	OFF	OFF	OFF	OFF
Level 4 - Non Arterial. . . .	YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Direction 1 . . . .	YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Direction 2 . . . .	YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Average . . . . .	YES	CLR	OFF	OFF	OFF	OFF
Level 5 - Non Arterial. . . .	YES	CLR	OFF	OFF	OFF	OFF

XRT Synchronization

		XRT Offset				
	Master Cycle	OF1	OF2	OF3	OF4	OF5
Submaster Cycle 1 . . . . .	0	0	0	0	0	0
Submaster Cycle 2 . . . . .	0	0	0	0	0	0
Submaster Cycle 3 . . . . .	0	0	0	0	0	0
Submaster Cycle 4 . . . . .	0	0	0	0	0	0
Submaster Cycle 5 . . . . .	0	0	0	0	0	0
Submaster Cycle 6 . . . . .	0	0	0	0	0	0
Minimum Sync Period . . . . .	0	cycles 0=disabled XRT sync				
Crossing Artery Controller. . .	0	Controller no. if telemetry connected. If zero, I/O signals are used.				







Logging Parameters

```

Enable:
Sample Period Log. . . . . NO
System Detector Log. . . . . NO
Speed Log. . . . . NO
SD and SPD Log Buffer. . . . . YES
Log Transfer Reference Time. . 0000

Default Sample Log Period. . . 0 sample periods
Default SD & SPD Log Period. . 15 minutes
Event Reporting Delay. . . . . 0 minutes
Log Transfer Interval. . . . . 6 hours

```

```

                                System Detector No.
                                01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
Assign System Det to Log. . . X X X X X X X X X X X . . . .

```

```

                                System Detector No.
                                17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
Assign System Det to Log. . . . . . . . . . . . . . . . . . .

```

Speed	Assign Spd	Spd Log	Spd Log
Trap No.	Trap to Log	Lower Threshold	Higher Threshold
1	NO	0	0
2	NO	0	0
3	NO	0	0
4	NO	0	0
5	NO	0	0
6	NO	0	0
7	NO	0	0
8	NO	0	0

System Detector Names

- |  |                            |
|--|----------------------------|
| Det 1: SR 303 & Boston Mills EBLL      | Det 17: System Detector 17 |
| Det 2: SR 303 & Boston Mills EBRL      | Det 18: System Detector 18 |
| Det 3: SR 303 & Boston Mills / E Case  | Det 19: System Detector 19 |
| Det 4: SR 303 & Boston Mills / E Case  | Det 20: System Detector 20 |
| Det 5: SR 303 & Boston Mills / E Case  | Det 21: System Detector 21 |
| Det 6: SR 303 & Boston Mills / E Case  | Det 22: System Detector 22 |
| Det 7: SR 303 & Hudson Plaza WBLL      | Det 23: System Detector 23 |
| Det 8: SR 303 & Hudson Plaza WBRL      | Det 24: System Detector 24 |
| Det 9: SR 303 & Hudson Plaza W. Drive  | Det 25: System Detector 25 |
| Det 10: SR 303 & Hudson Plaza W. Drive | Det 26: System Detector 26 |
| Det 11: SR 303 & Hudson Plaza W. Drive | Det 27: System Detector 27 |
| Det 12: System Detector 12             | Det 28: System Detector 28 |
| Det 13: System Detector 13             | Det 29: System Detector 29 |
| Det 14: System Detector 14             | Det 30: System Detector 30 |
| Det 15: System Detector 15             | Det 31: System Detector 31 |
| Det 16: System Detector 16             | Det 32: System Detector 32 |

Configuration Data

-----  
Modem Speed . . . . . 2400 BPS

Maintenance Report Options:

Priority 1 Events? . . . . . NO If NO, then device events.  
Delay Next Priority 1 Report? . NO Times event report delay.  
Store on Disk? . . . . . NO If NO, then text message.

Data for Alternate Modem:

Configuration Command:

Reset Delay . . . . . 5 1/10 seconds  
Command Timeout . . . . . 0 minutes 0=diagnostic disabled

Enable Daylight Savings . . . . YES  
Begin DST 1st Sunday in April . NO  
System Flash Cmd is Spec. Func. 1  
Supervisor Access Code . . . . \*\*\*\*  
Data Change Access Code . . . . \*\*\*\*

Modem Operation:

Event Monitor Number . . . . .  
Log Monitor Number . . . . .  
Maintenance Number . . . . .  
Network Access Prefix . . . . .  
Zone Master IV on DPS? . . . . . NO  
Tone Dialing . . . . . YES  
Retry Count . . . . . 2  
Min Retry Interval . . . . . 3  
Max Retry Interval . . . . . 3

## Alarms and Events

-----  
System:

Backup . . . . . Alarm  
Clock Error. . . . . Alarm  
Power On/Off . . . . . Alarm  
Power Interrupt < 0.7 sec. Alarm  
Device On-Line . . . . . Don't report

## Controller:

Cycle Fail . . . . . Alarm  
CMU Flash. . . . . Alarm  
Local Flash. . . . . Alarm  
Commanded Flash. . . . . Alarm  
Maintenance Required . . . Don't report  
Coordination Alarm . . . . Alarm  
Coordination Error . . . . Alarm  
Preempt. . . . . Don't report  
Local Free . . . . . Don't report  
Alarm 1. . . . . Alarm  
Alarm 2. . . . . Don't report  
Commanded Free . . . . . Don't report

## Other Devices:

TLM Chn Fail & NIC Backup. Alarm  
Local Telemetry Failure. . Alarm  
System Detector Failure. . Don't report  
Local Detector Failure . . Don't report  
Speed Trap Failure . . . . Don't report  
Speed Sign Failure . . . . Don't report

## Program/Commands:

Program Change . . . . . Alarm  
Auto Program Change. . . . Don't report  
TRP Level Alarm. . . . . Don't report  
Special Function Change. . Don't report  
TOD Program Step Change. . Don't report  
Command Mode Change. . . . Don't report

## I/O Assignments

---

Pin	Signal
1	Off
2	Off
3	Off
4	Off
5	Off
6	Off
7	Off
8	Off
9	Cycle 1 Output
10	Cycle 2 Output
11	Free Input
12	NIC Backup Input
13	Force Ext. Plan Input
14	Offset 4 Output
15	Split 1 Output
16	Split 2 Output
17	Master Zero Output
18	Off
19	Off
20	Off
21	Off
22	Off
23	Off
24	Off

**Appendix C**  
**Local Controller Data**

**Zone #1**  
**Darrow Road South**

Configuration

-----

	Controller Sequence Priority											
	1	2	3	4	5	6	7	8	9	10	11	12
Ring 1 Phases . . .	1	2	3	4	0	0	0	0	0	0	0	0
Ring 2 Phases . . .	5	6	7	8	0	0	0	0	0	0	0	0

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
In Use. . . . .	X	X	X	X	.	.	X	X	.	.	.	.
Exclusive Ped . . .	.	.	.	.	.	.	.	.	.	.	.	.
Direction . . . . .												

	Overlap			
	A	B	C	D
Direction . . . . .				

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch Channel (MMU)	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	3	.
4 . . . . .	4	.
5 . . . . .	5	.
6 . . . . .	6	.
7 . . . . .	2	X
8 . . . . .	4	X
9 . . . . .	7	.
10 . . . . .	8	.
11 . . . . .	0	.
12 . . . . .	0	.
13 . . . . .	0	.
14 . . . . .	0	.
15 . . . . .	0	.
16 . . . . .	0	.



Configuration Continued

```

-----
                Event Enabling                                Alarm Enabling
Critical RFE'S (MMU/TF) . . . . . X          ALARM 1 . . . . . X
Non-Critical RFE'S (DET/TEST) . . X          ALARM 2 . . . . . X
Detector Errors . . . . . X                  ALARM 3 . . . . .
Coordination Errors . . . . . X              ALARM 4 . . . . .
MMU Flash Faults. . . . . X                  ALARM 5 . . . . .
Local Flash Faults. . . . . X                ALARM 6 . . . . .
Preempt . . . . . X                          ALARM 7 . . . . .
Power On/Off. . . . . X                      ALARM 8 . . . . .
Low Battery . . . . . X                      ALARM 9 . . . . .
                                           ALARM 10. . . . .
                                           ALARM 11. . . . .
                                           ALARM 12. . . . .
                                           ALARM 13. . . . .
                                           ALARM 14. . . . .
                                           ALARM 15. . . . .
                                           ALARM 16. . . . .
    
```

Supervisor Access Code . . \*\*\*\*  
 Data Change Access Code . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:		
Software Assy.	Part No.	Version
Boot	27831	2.83
Program	45561	8.0
Application		. 3
Help	27891	6.43
Configuration	27918	C000





Ped Carryover

-----

Ped Start Phase

Carry Over Phase

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0





Power Start, Remote Flash

-----

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	.	.	X	.	.	.	X	.	.	.	.				
External Start . . . . .	.	.	.	X	.	.	.	X	.	.	.	.				
Into Remote Flash . . . . .	.	X	.	.	.	.	.	.	.	.	.	.				
Exit Remote Flash . . . . .	.	.	.	X	.	.	.	X	.	.	.	.	Overlap			
Remote Flash Yellow . . . . .	.	.	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	X

Initialization Interval:

Power Start . . . . . Green  
 External Start . . . . . Green

Power Start All Red Time . . . . . 0  
 Power Start Flash Time . . . . . 0

Remote Flash Options:

Out of Flash Yellow . . . . . NO  
 Out of Flash All Red . . . . . NO  
 Minimum Recall . . . . . NO  
 Alternate Flash . . . . . NO  
 Flash Thru Load Switches . . . . . NO  
 Cycle Through Phases . . . . . NO

Option Data

-----

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	.	.	X	.	.	.	.	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Dual Entry. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Conditional Service . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry. . . . .	ON	Backup Protection Group 1 . . . . .	ON
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .	ON
Ped Clearance Protection. . . . .	OFF	Backup Protection Group 3 . . . . .	OFF
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1. . . . .	ON
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2. . . . .	ON
Lock Detectors in Red Only. . . . .	OFF	Simultaneous Gap Group 3. . . . .	OFF

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

Det.	Locking	Log	Timers		Don't	Reset	Type
	Memory	Enable	Extend	Delay	Extend	Extend	
1	NO	NO	0.0	0	.	0	- Normal
2	NO	NO	0.0	0	.	0	- Normal
3	NO	NO	0.0	0	.	0	- Normal
4	NO	NO	0.0	0	.	0	- Normal
5	NO	NO	0.0	0	.	0	- Normal
6	NO	NO	0.0	0	.	0	- Normal
7	NO	NO	0.0	0	.	0	- Normal
8	NO	NO	0.0	0	.	0	- Normal
9	NO	NO	0.0	0	.	0	- Normal
10	NO	NO	0.0	0	.	0	- Normal
11	NO	NO	0.0	0	.	0	- Normal
12	NO	NO	0.0	0	.	0	- Normal
13	NO	NO	0.0	0	.	0	- Normal
14	NO	NO	0.0	0	.	0	- Normal
15	NO	NO	0.0	0	.	0	- Normal
16	NO	NO	0.0	0	.	0	- Normal
17	NO	YES	0.0	0	.	0	- Normal
18	NO	YES	0.0	0	.	0	- Normal
19	NO	NO	0.0	0	.	0	- Normal
20	NO	NO	0.0	0	.	0	- Normal
21	NO	NO	0.0	0	.	0	- Normal
22	NO	NO	0.0	0	.	0	- Normal
23	NO	NO	0.0	0	.	0	- Normal
24	NO	NO	0.0	0	.	0	- Normal
25	NO	NO	0.0	0	.	0	- Normal
26	NO	NO	0.0	0	.	0	- Normal
27	NO	NO	0.0	0	.	0	- Normal
28	NO	NO	0.0	0	.	0	- Normal
29	NO	NO	0.0	0	.	0	- Normal
30	NO	NO	0.0	0	.	0	- Normal
31	NO	NO	0.0	0	.	0	- Normal
32	NO	NO	0.0	0	.	0	- Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

33	NO	NO	0.0	0	.	0 - Normal
34	NO	NO	0.0	0	.	0 - Normal
35	NO	NO	0.0	0	.	0 - Normal
36	NO	NO	0.0	0	.	0 - Normal
37	NO	NO	0.0	0	.	0 - Normal
38	NO	NO	0.0	0	.	0 - Normal
39	NO	NO	0.0	0	.	0 - Normal
40	NO	NO	0.0	0	.	0 - Normal
41	NO	NO	0.0	0	.	0 - Normal
42	NO	NO	0.0	0	.	0 - Normal
43	NO	NO	0.0	0	.	0 - Normal
44	NO	NO	0.0	0	.	0 - Normal
45	NO	NO	0.0	0	.	0 - Normal
46	NO	NO	0.0	0	.	0 - Normal
47	NO	NO	0.0	0	.	0 - Normal
48	NO	NO	0.0	0	.	0 - Normal
49	NO	NO	0.0	0	.	0 - Normal
50	NO	NO	0.0	0	.	0 - Normal
51	NO	NO	0.0	0	.	0 - Normal
52	NO	NO	0.0	0	.	0 - Normal
53	NO	NO	0.0	0	.	0 - Normal
54	NO	NO	0.0	0	.	0 - Normal
55	NO	NO	0.0	0	.	0 - Normal
56	NO	NO	0.0	0	.	0 - Normal
57	NO	NO	0.0	0	.	0 - Normal
58	NO	NO	0.0	0	.	0 - Normal
59	NO	NO	0.0	0	.	0 - Normal
60	NO	NO	0.0	0	.	0 - Normal
61	NO	NO	0.0	0	.	0 - Normal
62	NO	NO	0.0	0	.	0 - Normal
63	NO	NO	0.0	0	.	0 - Normal
64	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 33: Detector 33	Det 49: Detector 49
Det 34: Detector 34	Det 50: Detector 50
Det 35: Detector 35	Det 51: Detector 51
Det 36: Detector 36	Det 52: Detector 52
Det 37: Detector 37	Det 53: Detector 53
Det 38: Detector 38	Det 54: Detector 54
Det 39: Detector 39	Det 55: Detector 55
Det 40: Detector 40	Det 56: Detector 56
Det 41: Detector 41	Det 57: Detector 57
Det 42: Detector 42	Det 58: Detector 58
Det 43: Detector 43	Det 59: Detector 59
Det 44: Detector 44	Det 60: Detector 60
Det 45: Detector 45	Det 61: Detector 61
Det 46: Detector 46	Det 62: Detector 62
Det 47: Detector 47	Det 63: Detector 63
Det 48: Detector 48	Det 64: Detector 64







Ped/SD Local Assign,Log Interval

-----

	Phase Ped Detector											
	1	2	3	4	5	6	7	8	9	10	11	12
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	12

	*Local System Detector No.															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Is Local Detector No. . .	17	18	19	20	21	22	23	24	0	0	0	0	0	0	0	0

Detector Log Interval . . 15

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

		Detector															
Plan		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		Detector															
Plan		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data

Diagnostic Plans/Fail Action

Plan	Detector															
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan	Detector															
	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Tiime from By-Phase Timing Data



Detector Diagnostic Intervals

-----

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Counts
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

-----

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

-----  
Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                    OffsetUnits . . . . . Percent  
Interconnect Format . STD                    Interconnect Source . TLM  
Transition. . . . . SMOOTH                    Dwell Period. . . . . 0  
Resync Count. . . . . 0

Actuated Coord Phase . . . . . Actuated Walk Rest . . . . .  
Inhibit Max Timing . . . . . X Max 2 Select . . . . .  
Floating Force Off . . . . . X Multisync. . . . .

				Phase												
Split Demand:	Call	Time	Cyc	Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase											
	1	2	3	4	5	6	7	8	9	10	11	12			
Auto Permissive Min Green .	0	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . .	.	.	.	.	.	.

Coordination Patterns

-----  
Pattern 1

Cycle Length . . . 80 COS . . . . . 701  
 Offset . . . . . 92  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 34 3- 18 4- 48  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 2

Cycle Length . . . 105 COS . . . . . 702  
 Offset . . . . . 55  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 26 3- 14 4- 60  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 3

Cycle Length . . . 105 COS . . . . . 703  
 Offset . . . . . 44  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 26 3- 14 4- 60  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

-----  
Pattern 4

Cycle Length . . . 105 COS . . . . . 704  
 Offset . . . . . 47  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 26 3- 14 4- 60  
 Phase 5- 0 6- 0 7- 0 8- 0  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . .  
 Veh Recall . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 5

Cycle Length . . . 125 COS . . . . . 705  
 Offset . . . . . 4  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 24 3- 12 4- 64  
 Phase 5- 0 6- 0 7- 0 8- 0  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . .  
 Veh Recall . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 6

Cycle Length . . . 125 COS . . . . . 706  
 Offset . . . . . 56  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 23 3- 12 4- 65  
 Phase 5- 0 6- 0 7- 0 8- 0  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . .  
 Veh Recall . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----

Coordination Patterns

-----  
Pattern 7

Cycle Length . . . 125    COS . . . . . 707  
 Offset . . . . . 53  
 Vehicle Permissive . . [1]    10    [2]    0  
 Vehicle Perm 2 Displacement    0    Phase Reservice. . . NO  
 Splits:    Phase 1-    0 2- 22 3- 12 4- 66  
           Phase 5-    0 6-    0 7-    0 8-    0  
           Phase 9-    0 10-    0 11-    0 12-    0    Split Sum: 0  
 Split Extension/Ring    [1]    0    [2]    0  
 Split Demand Pattern    [1]    0    [2]    0  
 XRT Pattern. . . 0  
   Phase Number:    1    2    3    4    5    6    7    8    9    10    11    12  
 Coord Phases . . . . .    .    .    .    X    .    .    .    .    .    .    .    .  
 Veh Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .    .  
 Veh Max Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .    .  
 Ped Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .    .  
 Veh Omit . . . . .    .    .    .    .    .    .    .    .    .    .    .    .  
 Alt Sequence . . . A: .    B: .    C: .    D: .    E: .    F: .

-----  
Pattern 9

Cycle Length . . . 125    COS . . . . . 709  
 Offset . . . . . 99  
 Vehicle Permissive . . [1]    10    [2]    0  
 Vehicle Perm 2 Displacement    0    Phase Reservice. . . NO  
 Splits:    Phase 1-    0 2- 24 3- 12 4- 64  
           Phase 5-    0 6-    0 7-    0 8-    0  
           Phase 9-    0 10-    0 11-    0 12-    0    Split Sum: 0  
 Split Extension/Ring    [1]    0    [2]    0  
 Split Demand Pattern    [1]    0    [2]    0  
 XRT Pattern. . . 0  
   Phase Number:    1    2    3    4    5    6    7    8    9    10    11    12  
 Coord Phases . . . . .    .    .    .    X    .    .    .    .    .    .    .    .  
 Veh Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .    .  
 Veh Max Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .    .  
 Ped Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .    .  
 Veh Omit . . . . .    .    .    .    .    .    .    .    .    .    .    .    .  
 Alt Sequence . . . A: .    B: .    C: .    D: .    E: .    F: .

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Preemptors

-----  
Preemptor 5

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .  
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .  
Don't Override Flash . . . . . Duration Time. . . . . 0  
Flash During Hold. . . . . Delay Time . . . . . 0  
No CVM in Flash. . . . . Inhibit Time . . . . . 0  
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0  
Enable Max Time. . . . . Max Time . . . . . 0  
Exit Max . . . . . 0  
Min Hold Time. . . . . 0  
Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	0	0.0	0.0
Track Clear . . . . .	0	0.0	0.0
Hold. . . . .		0.0	0.0

	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C	D
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .																
Exit Phases . . . . .																
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
Linked Preemptor . . . . 0

-----  
Preemptor 6

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .  
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .  
Don't Override Flash . . . . . Duration Time. . . . . 0  
Flash During Hold. . . . . Delay Time . . . . . 0  
No CVM in Flash. . . . . Inhibit Time . . . . . 0  
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0  
Enable Max Time. . . . . Max Time . . . . . 0  
Exit Max . . . . . 0  
Min Hold Time. . . . . 0  
Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	0	0.0	0.0
Track Clear . . . . .	0	0.0	0.0
Hold. . . . .		0.0	0.0

	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C	D
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .																
Exit Phases . . . . .																
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
Linked Preemptor . . . . 0

Bus Preemptors

-----

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

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Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . YES If NO, then week containing Jan.

Disable Daylight Savings Time . . . . . NO

Daylight Savings

Begins Last Sunday in March . . . . . NO If NO, then Second Sunday as per



Holiday Programs

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

NIC Program Steps

-----

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0645	2	NO
3	1	1000	1	NO
4	1	1600	5	NO
5	1	1830	1	NO
6	1	2100	0	NO
7	2	0000	0	NO

TOD Program Steps

```
-----
Step 1          Program 1          Step Begins    2200

Flash. . . . . X          Dimming Enable. . . . .
Red Rest . . . . .          Alt Veh Extension . . . . .
Spare 5. . . . .          Det Log Enable. . . . . X
Spare 3. . . . .          Spare 4 . . . . .
Type 0 Dly Enable. . . . . Spare 2 . . . . .
Det Diag Plan. . . . . 0
```

```

Phase Number
1  2  3  4  5  6  7  8  9  10  11  12
Max 2 Enable . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Max 3 Enable . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Veh Recall . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Cond Service Inhibit. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Phase Omit . . . . . . . . . . . . . . . . . . . . . . X X . . . . . .
Special Function . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

Alt Sequence . . . . . A B C D E F
-----
```

```
Step 2          Program 1          Step Begins    0000

Flash. . . . . X          Dimming Enable. . . . .
Red Rest . . . . .          Alt Veh Extension . . . . .
Spare 5. . . . .          Det Log Enable. . . . . X
Spare 3. . . . .          Spare 4 . . . . .
Type 0 Dly Enable. . . . . Spare 2 . . . . .
Det Diag Plan. . . . . 0
```

```

Phase Number
1  2  3  4  5  6  7  8  9  10  11  12
Max 2 Enable . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Max 3 Enable . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Veh Recall . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Cond Service Inhibit. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Phase Omit . . . . . . . . . . . . . . . . . . . . . . X X . . . . . .
Special Function . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

Alt Sequence . . . . . A B C D E F
-----
```

TOD Program Steps

-----  
 Step 3            Program 1            Step Begins      0530

Flash. . . . . Dimming Enable. . . . .  
 Red Rest . . . . . Alt Veh Extension . . . . .  
 Spare 5. . . . . Det Log Enable. . . . . X  
 Spare 3. . . . . Spare 4 . . . . .  
 Type 0 Dly Enable. . . . . Spare 2 . . . . .  
 Det Diag Plan. . . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	X	X	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 4            Program 2            Step Begins      2200

Flash. . . . . X      Dimming Enable. . . . .  
 Red Rest . . . . . Alt Veh Extension . . . . .  
 Spare 5. . . . . Det Log Enable. . . . . X  
 Spare 3. . . . . Spare 4 . . . . .  
 Type 0 Dly Enable. . . . . Spare 2 . . . . .  
 Det Diag Plan. . . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	X	X	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

TOD Program Steps

-----  
 Step 5            Program 2            Step Begins       0000

Flash. . . . .	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	X
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	X	X	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 6            Program 2            Step Begins       0700

Flash. . . . .	.	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	X
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	X	X	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

Configuration

-----

	Controller Sequence Priority											
	1	2	3	4	5	6	7	8	9	10	11	12
Ring 1 Phases . . .	1	2	3	4	9	10	0	0	0	0	0	0
Ring 2 Phases . . .	5	6	7	8	11	12	0	0	0	0	0	0

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
In Use. . . . .	X	X	X	X	X	X	X	X	.	.	.	.
Exclusive Ped . . .	.	.	.	.	.	.	.	.	.	.	.	.
Direction . . . . .												

	Overlap			
	A	B	C	D
Direction . . . . .				

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch Channel (MMU)	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	3	.
4 . . . . .	4	.
5 . . . . .	5	.
6 . . . . .	6	.
7 . . . . .	7	.
8 . . . . .	8	.
9 . . . . .	2	X
10 . . . . .	4	X
11 . . . . .	6	X
12 . . . . .	8	X
13 . . . . .	0	.
14 . . . . .	0	.
15 . . . . .	0	.
16 . . . . .	0	.



Configuration Continued

```

-----
                Event Enabling                                Alarm Enabling

Critical RFE'S (MMU/TF) . . . . . X          ALARM 1 . . . . . X
Non-Critical RFE'S (DET/TEST) . . X          ALARM 2 . . . . . X
Detector Errors . . . . . X                  ALARM 3 . . . . .
Coordination Errors . . . . . X              ALARM 4 . . . . .
MMU Flash Faults. . . . . X                  ALARM 5 . . . . .
Local Flash Faults. . . . . X                ALARM 6 . . . . .
Preempt . . . . . X                          ALARM 7 . . . . .
Power On/Off. . . . . X                       ALARM 8 . . . . .
Low Battery . . . . . X                       ALARM 9 . . . . .
                                                ALARM 10. . . . .
                                                ALARM 11. . . . .
                                                ALARM 12. . . . .
                                                ALARM 13. . . . .
                                                ALARM 14. . . . .
                                                ALARM 15. . . . .
                                                ALARM 16. . . . .
    
```

Supervisor Access Code . . \*\*\*\*  
 Data Change Access Code . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:		
Software Assy.	Part No.	Version
Boot	27831	2.83
Program	45561	8.0
Application		. 3
Help	27891	6.43
Configuration	27918	C000





Ped Carryover

-----

Ped Start Phase

Carry Over Phase

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0





Power Start, Remote Flash

-----

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
External Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
Into Remote Flash. . . . .	.	.	.	X	.	.	.	X	.	.	.	.				
Exit Remote Flash. . . . .	.	X	.	.	.	X	.	.	.	.	.	.	Overlap			
Remote Flash Yellow. . . . .	.	.	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	X	.	X

Initialization Interval:

Power Start . . . . . Green

External Start. . . . . Green

Power Start All Red Time. . . . . 0

Power Start Flash Time. . . . . 0

Remote Flash Options:

Out of Flash Yellow . . . . . NO

Out of Flash All Red. . . . . NO

Minimum Recall. . . . . NO

Alternate Flash . . . . . NO

Flash Thru Load Switches. . . . . NO

Cycle Through Phases. . . . . NO

Option Data

-----

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Dual Entry . . . . .	.	X	.	X	.	X	.	X	.	X	.	X
Conditional Service . . . . .	X	.	X	.	X	.	X	.	X	.	X	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	X	.	.	.	X	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry . . . . .	ON	Backup Protection Group 1 . . . . .	ON
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .	OFF
Ped Clearance Protection . . . . .	OFF	Backup Protection Group 3 . . . . .	OFF
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1 . . . . .	ON
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2 . . . . .	ON
Lock Detectors in Red Only . . . . .	OFF	Simultaneous Gap Group 3 . . . . .	OFF

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

Det.	Locking	Log	Timers		Don't	Reset	Type
	Memory	Enable	Extend	Delay	Extend		
1	NO	NO	0.0	0	.	0	- Normal
2	NO	NO	0.0	0	.	0	- Normal
3	NO	NO	0.0	0	.	0	- Normal
4	NO	NO	0.0	0	.	0	- Normal
5	NO	NO	0.0	0	.	0	- Normal
6	NO	NO	0.0	0	.	0	- Normal
7	NO	NO	0.0	0	.	0	- Normal
8	NO	NO	0.0	0	.	0	- Normal
9	NO	NO	0.0	0	.	0	- Normal
10	NO	NO	0.0	0	.	0	- Normal
11	NO	NO	0.0	0	.	0	- Normal
12	NO	NO	0.0	0	.	0	- Normal
13	NO	NO	0.0	0	.	0	- Normal
14	NO	NO	0.0	0	.	0	- Normal
15	NO	NO	0.0	0	.	0	- Normal
16	NO	NO	0.0	0	.	0	- Normal
17	NO	NO	0.0	0	.	0	- Normal
18	NO	NO	0.0	0	.	0	- Normal
19	NO	NO	0.0	0	.	0	- Normal
20	NO	NO	0.0	0	.	0	- Normal
21	NO	NO	0.0	0	.	0	- Normal
22	NO	NO	0.0	0	.	0	- Normal
23	NO	NO	0.0	0	.	0	- Normal
24	NO	NO	0.0	0	.	0	- Normal
25	NO	NO	0.0	0	.	0	- Normal
26	NO	NO	0.0	0	.	0	- Normal
27	NO	NO	0.0	0	.	0	- Normal
28	NO	NO	0.0	0	.	0	- Normal
29	NO	NO	0.0	0	.	0	- Normal
30	NO	NO	0.0	0	.	0	- Normal
31	NO	NO	0.0	0	.	0	- Normal
32	NO	NO	0.0	0	.	0	- Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

## Detector Type/Timers

```

-----
33   NO      NO      0.0    0      .      0 - Normal
34   NO      NO      0.0    0      .      0 - Normal
35   NO      NO      0.0    0      .      0 - Normal
36   NO      NO      0.0    0      .      0 - Normal
37   NO      NO      0.0    0      .      0 - Normal
38   NO      NO      0.0    0      .      0 - Normal
39   NO      NO      0.0    0      .      0 - Normal
40   NO      NO      0.0    0      .      0 - Normal
41   NO      NO      0.0    0      .      0 - Normal
42   NO      NO      0.0    0      .      0 - Normal
43   NO      NO      0.0    0      .      0 - Normal
44   NO      NO      0.0    0      .      0 - Normal
45   NO      NO      0.0    0      .      0 - Normal
46   NO      NO      0.0    0      .      0 - Normal
47   NO      NO      0.0    0      .      0 - Normal
48   NO      NO      0.0    0      .      0 - Normal
49   NO      NO      0.0    0      .      0 - Normal
50   NO      NO      0.0    0      .      0 - Normal
51   NO      NO      0.0    0      .      0 - Normal
52   NO      NO      0.0    0      .      0 - Normal
53   NO      NO      0.0    0      .      0 - Normal
54   NO      NO      0.0    0      .      0 - Normal
55   NO      NO      0.0    0      .      0 - Normal
56   NO      NO      0.0    0      .      0 - Normal
57   NO      NO      0.0    0      .      0 - Normal
58   NO      NO      0.0    0      .      0 - Normal
59   NO      NO      0.0    0      .      0 - Normal
60   NO      NO      0.0    0      .      0 - Normal
61   NO      NO      0.0    0      .      0 - Normal
62   NO      NO      0.0    0      .      0 - Normal
63   NO      NO      0.0    0      .      0 - Normal
64   NO      NO      0.0    0      .      0 - Normal

```

## Detector Names

```

Det 33: Detector 33
Det 34: Detector 34
Det 35: Detector 35
Det 36: Detector 36
Det 37: Detector 37
Det 38: Detector 38
Det 39: Detector 39
Det 40: Detector 40
Det 41: Detector 41
Det 42: Detector 42
Det 43: Detector 43
Det 44: Detector 44
Det 45: Detector 45
Det 46: Detector 46
Det 47: Detector 47
Det 48: Detector 48
Det 49: Detector 49
Det 50: Detector 50
Det 51: Detector 51
Det 52: Detector 52
Det 53: Detector 53
Det 54: Detector 54
Det 55: Detector 55
Det 56: Detector 56
Det 57: Detector 57
Det 58: Detector 58
Det 59: Detector 59
Det 60: Detector 60
Det 61: Detector 61
Det 62: Detector 62
Det 63: Detector 63
Det 64: Detector 64

```







Ped/SD Local Assign,Log Interval

-----

	Phase Ped Detector											
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	12
	1	2	3	4	5	6	7	8	9	10	11	12

	*Local System Detector No.															
Is Local Detector No. . .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	3	4	7	8	11	12	15	16	19	20	23	24	27	28	31	32

Detector Log Interval . . 0

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

		Detector															
Plan		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		Detector															
Plan		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Tiime from By-Phase Timing Data

Diagnostic Plans/Fail Action

		Detector															
Plan		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		Detector															
Plan		49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Tiime from By-Phase Timing Data



## Detector Diagnostic Intervals

---

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Counts
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

-----

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

-----  
 Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                      OffsetUnits . . . . . Percent  
 Interconnect Format . STD                      Interconnect Source . TLM  
 Transition. . . . . SMOOTH                      Dwell Period. . . . . 0  
 Resync Count. . . . . 0

Actuated Coord Phase . . . X Actuated Walk Rest . . . .  
 Inhibit Max Timing . . . . X Max 2 Select . . . . .  
 Floating Force Off . . . . X Multisync. . . . .

				Phase											
Split Demand:	Call	Time	Cyc Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . .	0		0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . .	0		0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase											
	1	2	3	4	5	6	7	8	9	10	11	12			
Auto Permissive Min Green .	0	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . .	.	.	.	.	.	.

Coordination Patterns

-----  
Pattern 1

Cycle Length . . . 80 COS . . . . . 701  
 Offset . . . . . 70  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 58 3- 0 4- 42  
 Phase 5- 0 6- 58 7- 0 8- 42  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . X . X . X . X . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 2

Cycle Length . . . 105 COS . . . . . 702  
 Offset . . . . . 94  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 10 2- 46 3- 17 4- 27  
 Phase 5- 12 6- 44 7- 17 8- 27  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 3

Cycle Length . . . 105 COS . . . . . 703  
 Offset . . . . . 96  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 13 2- 45 3- 16 4- 26  
 Phase 5- 13 6- 45 7- 16 8- 26  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----

Coordination Patterns

-----  
Pattern 4

Cycle Length . . . 105 COS . . . . . 704  
 Offset . . . . . 35  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 11 2- 44 3- 19 4- 26  
 Phase 5- 17 6- 38 7- 19 8- 26  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 5

Cycle Length . . . 125 COS . . . . . 705  
 Offset . . . . . 51  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 9 2- 45 3- 10 4- 36  
 Phase 5- 17 6- 37 7- 18 8- 28  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 6

Cycle Length . . . 125 COS . . . . . 706  
 Offset . . . . . 58  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 13 2- 46 3- 17 4- 24  
 Phase 5- 13 6- 46 7- 17 8- 24  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

-----  
Pattern 7

Cycle Length . . . 125    COS . . . . . 707  
Offset . . . . . 43  
Vehicle Permissive . . [1]    5    [2]    0  
Vehicle Perm 2 Displacement    0    Phase Reservice. . . NO  
Splits:    Phase 1- 10 2- 44 3- 10 4- 36  
            Phase 5- 17 6- 37 7- 20 8- 26  
            Phase 9- 0 10- 0 11- 0 12- 0    Split Sum: 0  
Split Extension/Ring    [1]    0    [2]    0  
Split Demand Pattern    [1]    0    [2]    0  
XRT Pattern. . . 0  
    Phase Number: 1    2    3    4    5    6    7    8    9    10    11    12  
Coord Phases . . .    X    .    .    .    X    .    .    .    .    .    .  
Veh Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .  
Veh Max Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .  
Ped Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .  
Veh Omit . . . . .    .    .    .    .    .    .    .    .    .    .    .  
Alt Sequence . . . A: .    B: .    C: .    D: .    E: .    F: .

-----  
Pattern 9

Cycle Length . . . 125    COS . . . . . 709  
Offset . . . . . 0  
Vehicle Permissive . . [1]    5    [2]    0  
Vehicle Perm 2 Displacement    0    Phase Reservice. . . NO  
Splits:    Phase 1- 9 2- 45 3- 10 4- 36  
            Phase 5- 17 6- 37 7- 18 8- 28  
            Phase 9- 0 10- 0 11- 0 12- 0    Split Sum: 0  
Split Extension/Ring    [1]    0    [2]    0  
Split Demand Pattern    [1]    0    [2]    0  
XRT Pattern. . . 0  
    Phase Number: 1    2    3    4    5    6    7    8    9    10    11    12  
Coord Phases . . .    X    .    .    .    X    .    .    .    .    .    .  
Veh Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .  
Veh Max Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .  
Ped Recall . . . . .    .    .    .    .    .    .    .    .    .    .    .  
Veh Omit . . . . .    .    .    .    .    .    .    .    .    .    .    .  
Alt Sequence . . . A: .    B: .    C: .    D: .    E: .    F: .

-----

Preemptors

Preemptor 1

```

Active . . . . . Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 0
                               Hold Delay Time. . . . . 0

```

```

                               Green      Yellow      Red
Minimum . . . . .      0          0.0        0.0
Track Clear . . . . .      0          0.0        0.0
Hold. . . . .          0          0.0        0.0

```

```

Phase/Overlap  1  2  3  4  5  6  7  8  9 10 11 12/ A  B  C  D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

Out of Flash Color for Exit Phases . . . . Green

Preemptor 2

```

Active . . . . . Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 0
                               Hold Delay Time. . . . . 0

```

```

                               Green      Yellow      Red
Minimum . . . . .      0          0.0        0.0
Track Clear . . . . .      0          0.0        0.0
Hold. . . . .          0          0.0        0.0

```

```

Phase/Overlap  1  2  3  4  5  6  7  8  9 10 11 12/ A  B  C  D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

Out of Flash Color for Exit Phases . . . . Green

Linked Preemptor . . . . 0

Preemptors

Preemptor 3

```

-----
Active . . . . . X Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs X Zero Ped Clr Time. X
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . X Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 5
                               Hold Delay Time. . . . . 0

```

```

                               Green           Yellow           Red
Minimum . . . . . 1           0.0           0.0
Track Clear . . . . . 0           0.0           0.0
Hold. . . . .           0.0           0.0

```

```

Phase/Overlap 1 2 3 4 5 6 7 8 9 10 11 12/ A B C D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . . X . . . . . X . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

```

Out of Flash Color for Exit Phases . . . . Green
Linked Preemptor . . . . 0

```

Preemptor 4

```

-----
Active . . . . . X Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs X Zero Ped Clr Time. X
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . X Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 5
                               Hold Delay Time. . . . . 0

```

```

                               Green           Yellow           Red
Minimum . . . . . 1           0.0           0.0
Track Clear . . . . . 0           0.0           0.0
Hold. . . . .           0.0           0.0

```

```

Phase/Overlap 1 2 3 4 5 6 7 8 9 10 11 12/ A B C D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . . X . . . . . X . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

```

Out of Flash Color for Exit Phases . . . . Green
Linked Preemptor . . . . 0

```

Preemptors

Preemptor 5

```

-----
Active . . . . . X Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs X Zero Ped Clr Time. X
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . X Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 5
                               Hold Delay Time. . . . . 0

```

```

                               Green           Yellow           Red
Minimum . . . . . 1           0.0           0.0
Track Clear . . . . . 0           0.0           0.0
Hold. . . . .           0.0           0.0

```

```

Phase/Overlap 1 2 3 4 5 6 7 8 9 10 11 12/ A B C D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . . X . . . . . X . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

```

Out of Flash Color for Exit Phases . . . . Green
Linked Preemptor . . . . 0

```

Preemptor 6

```

-----
Active . . . . . X Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs X Zero Ped Clr Time. X
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . X Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 5
                               Hold Delay Time. . . . . 0

```

```

                               Green           Yellow           Red
Minimum . . . . . 1           0.0           0.0
Track Clear . . . . . 0           0.0           0.0
Hold. . . . .           0.0           0.0

```

```

Phase/Overlap 1 2 3 4 5 6 7 8 9 10 11 12/ A B C D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . . X . . . . . X . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

```

Out of Flash Color for Exit Phases . . . . Green
Linked Preemptor . . . . 0

```

Bus Preemptors

-----

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----

Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . YES If NO, then week containing Jan.

Disable Daylight Savings Time . . . . . NO

Daylight Savings

Begins Last Sunday in March . . . . . NO If NO, then Second Sunday as per



## Holiday Programs

-----

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

NIC Program Steps

---

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0645	2	NO
3	1	1000	1	NO
4	1	1600	5	NO
5	1	1830	1	NO
6	1	2100	0	NO
7	2	0000	0	NO

TOD Program Steps

-----

Configuration

```

-----
                Controller Sequence Priority
                1     2     3     4     5     6     7     8     9     10    11    12
Ring 1 Phases . . 1     2   | 3     4   | 9    10  | 0     0     0     0     0     0
Ring 2 Phases . . 5     6   | 7     8   |11   12  | 0     0     0     0     0     0

                Phase
                1     2     3     4     5     6     7     8     9     10    11    12
In Use. . . . . X     X     X     X     .     .     .     .     .     .     .     .
Exclusive Ped . . .     .     .     .     .     .     .     .     .     .     .     .
Direction . . . .

                Overlap
                A     B     C     D
Direction . . .
    
```

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch Channel (MMU)	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	3	.
4 . . . . .	4	.
5 . . . . .	5	.
6 . . . . .	6	.
7 . . . . .	7	.
8 . . . . .	8	.
9 . . . . .	2	X
10 . . . . .	4	X
11 . . . . .	6	X
12 . . . . .	8	X
13 . . . . .	A	.
14 . . . . .	B	.
15 . . . . .	C	.
16 . . . . .	D	.



Configuration Continued

```

-----
                Event Enabling                                Alarm Enabling
Critical RFE'S (MMU/TF) . . . . . X          ALARM 1 . . . . . X
Non-Critical RFE'S (DET/TEST) . . X          ALARM 2 . . . . . X
Detector Errors . . . . . X                  ALARM 3 . . . . .
Coordination Errors . . . . . X              ALARM 4 . . . . .
MMU Flash Faults. . . . . X                  ALARM 5 . . . . .
Local Flash Faults. . . . . X                ALARM 6 . . . . .
Preempt . . . . . X                          ALARM 7 . . . . .
Power On/Off. . . . . X                      ALARM 8 . . . . .
Low Battery . . . . . X                       ALARM 9 . . . . .
                                                ALARM 10. . . . .
                                                ALARM 11. . . . .
                                                ALARM 12. . . . .
                                                ALARM 13. . . . .
                                                ALARM 14. . . . .
                                                ALARM 15. . . . .
                                                ALARM 16. . . . .
    
```

Supervisor Access Code . . \*\*\*\*  
 Data Change Access Code . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:		
Software Assy.	Part No.	Version
Boot	27831	2.83
Program	45561	8.0
Application		. 3
Help	27891	6.43
Configuration	27918	C000





Ped Carryover

-----

Ped Start Phase

Carry Over Phase

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0





Power Start, Remote Flash

-----

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	X	.	.	.	.	.	.	.	.	.	.				
External Start . . . . .	.	X	.	.	.	.	.	.	.	.	.	.				
Into Remote Flash. . . . .	.	.	.	X	.	.	.	.	.	.	.	.				
Exit Remote Flash. . . . .	.	X	.	.	.	.	.	.	.	.	.	.	Overlap			
Remote Flash Yellow. . . . .	.	X	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	X	.	X

Initialization Interval:  
 Power Start . . . . . Green  
 External Start. . . . . Green

Power Start All Red Time. . . . . 3  
 Power Start Flash Time. . . . . 0

Remote Flash Options:  
 Out of Flash Yellow . . . . . NO  
 Out of Flash All Red. . . . . NO  
 Minimum Recall. . . . . NO  
 Alternate Flash . . . . . NO  
 Flash Thru Load Switches. . . . . NO  
 Cycle Through Phases. . . . . NO

Option Data

-----

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	X	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	X	.	.	.	.	.	.	.	.
Dual Entry. . . . .	.	X	.	X	.	X	.	X	.	X	.	X
Conditional Service . . . . .	X	.	X	.	X	.	X	.	X	.	X	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry. . . . .	OFF	Backup Protection Group 1 . . . . .	ON
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .	OFF
Ped Clearance Protection. . . . .	OFF	Backup Protection Group 3 . . . . .	OFF
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1. . . . .	ON
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2. . . . .	OFF
Lock Detectors in Red Only. . . . .	OFF	Simultaneous Gap Group 3. . . . .	OFF

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

Det.	Locking	Log	Timers		Don't	Reset	Type
	Memory	Enable	Extend	Delay	Extend	Extend	
1	NO	NO	0.0	0	.	0	Normal
2	NO	NO	0.0	0	.	0	Normal
3	NO	NO	0.0	0	.	0	Normal
4	NO	NO	0.0	0	.	0	Normal
5	NO	NO	0.0	0	.	0	Normal
6	NO	NO	0.0	0	.	0	Normal
7	NO	NO	0.0	0	.	0	Normal
8	NO	NO	0.0	0	.	0	Normal
9	NO	NO	0.0	0	.	0	Normal
10	NO	NO	0.0	0	.	0	Normal
11	NO	NO	0.0	0	.	0	Normal
12	NO	NO	0.0	0	.	0	Normal
13	NO	NO	0.0	0	.	0	Normal
14	NO	NO	0.0	0	.	0	Normal
15	NO	YES	0.0	0	.	0	Normal
16	NO	YES	0.0	0	.	0	Normal
17	NO	YES	0.0	0	.	0	Normal
18	NO	YES	0.0	0	.	0	Normal
19	NO	YES	0.0	0	.	0	Normal
20	NO	YES	0.0	0	.	0	Normal
21	NO	YES	0.0	0	.	0	Normal
22	NO	YES	0.0	0	.	0	Normal
23	NO	YES	0.0	0	.	0	Normal
24	NO	YES	0.0	0	.	0	Normal
25	NO	NO	0.0	0	.	0	Normal
26	NO	NO	0.0	0	.	0	Normal
27	NO	NO	0.0	0	.	0	Normal
28	NO	NO	0.0	0	.	0	Normal
29	NO	NO	0.0	0	.	0	Normal
30	NO	NO	0.0	0	.	0	Normal
31	NO	NO	0.0	0	.	0	Normal
32	NO	NO	0.0	0	.	0	Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

---

33	NO	NO	0.0	0	.	0 - Normal
34	NO	NO	0.0	0	.	0 - Normal
35	NO	NO	0.0	0	.	0 - Normal
36	NO	NO	0.0	0	.	0 - Normal
37	NO	NO	0.0	0	.	0 - Normal
38	NO	NO	0.0	0	.	0 - Normal
39	NO	NO	0.0	0	.	0 - Normal
40	NO	NO	0.0	0	.	0 - Normal
41	NO	NO	0.0	0	.	0 - Normal
42	NO	NO	0.0	0	.	0 - Normal
43	NO	NO	0.0	0	.	0 - Normal
44	NO	NO	0.0	0	.	0 - Normal
45	NO	NO	0.0	0	.	0 - Normal
46	NO	NO	0.0	0	.	0 - Normal
47	NO	NO	0.0	0	.	0 - Normal
48	NO	NO	0.0	0	.	0 - Normal
49	NO	NO	0.0	0	.	0 - Normal
50	NO	NO	0.0	0	.	0 - Normal
51	NO	NO	0.0	0	.	0 - Normal
52	NO	NO	0.0	0	.	0 - Normal
53	NO	NO	0.0	0	.	0 - Normal
54	NO	NO	0.0	0	.	0 - Normal
55	NO	NO	0.0	0	.	0 - Normal
56	NO	NO	0.0	0	.	0 - Normal
57	NO	NO	0.0	0	.	0 - Normal
58	NO	NO	0.0	0	.	0 - Normal
59	NO	NO	0.0	0	.	0 - Normal
60	NO	NO	0.0	0	.	0 - Normal
61	NO	NO	0.0	0	.	0 - Normal
62	NO	NO	0.0	0	.	0 - Normal
63	NO	NO	0.0	0	.	0 - Normal
64	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 33: Detector 33	Det 49: Detector 49
Det 34: Detector 34	Det 50: Detector 50
Det 35: Detector 35	Det 51: Detector 51
Det 36: Detector 36	Det 52: Detector 52
Det 37: Detector 37	Det 53: Detector 53
Det 38: Detector 38	Det 54: Detector 54
Det 39: Detector 39	Det 55: Detector 55
Det 40: Detector 40	Det 56: Detector 56
Det 41: Detector 41	Det 57: Detector 57
Det 42: Detector 42	Det 58: Detector 58
Det 43: Detector 43	Det 59: Detector 59
Det 44: Detector 44	Det 60: Detector 60
Det 45: Detector 45	Det 61: Detector 61
Det 46: Detector 46	Det 62: Detector 62
Det 47: Detector 47	Det 63: Detector 63
Det 48: Detector 48	Det 64: Detector 64







Ped/SD Local Assign,Log Interval

-----

	Phase Ped Detector											
	1	2	3	4	5	6	7	8	9	10	11	12
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	12

	*Local System Detector No.															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Is Local Detector No. . .	17	18	19	0	0	0	0	0	0	0	0	0	0	0	0	0

Detector Log Interval . . 15

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

		Detector															
Plan		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		Detector															
Plan		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data

Diagnostic Plans/Fail Action

		Detector															
Plan		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		Detector															
Plan		49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Tiime from By-Phase Timing Data



Detector Diagnostic Intervals

-----

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Counts
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

-----

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

-----  
Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                    OffsetUnits . . . . . Percent  
Interconnect Format . STD                    Interconnect Source . TLM  
Transition. . . . . SMOOTH                    Dwell Period. . . . . 0  
Resync Count. . . . . 0

Actuated Coord Phase . . . . . Actuated Walk Rest . . . . .  
Inhibit Max Timing . . . . . X Max 2 Select . . . . .  
Floating Force Off . . . . . X Multisync. . . . .

				Phase												
Split Demand:	Call	Time	Cyc	Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase											
	1	2	3	4	5	6	7	8	9	10	11	12			
Auto Permissive Min Green .	0	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . .	.	.	.	.	.	.

Coordination Patterns

-----  
 Pattern 1

Cycle Length . . . 85 COS . . . . . 111  
 Offset . . . . . 0  
 Vehicle Permissive . . [1] 10 [2] 10  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 50 3- 25 4- 25  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . . . . . . . . . . . . .  
 Veh Recall .  
 Veh Max Recall .  
 Ped Recall .  
 Veh Omit .  
 Alt Sequence . . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 2

Cycle Length . . . 80 COS . . . . . 222  
 Offset . . . . . 0  
 Vehicle Permissive . . [1] 10 [2] 10  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 14 2- 40 3- 23 4- 23  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . . . . . . . . . . . . .  
 Veh Recall .  
 Veh Max Recall .  
 Ped Recall .  
 Veh Omit .  
 Alt Sequence . . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 3

Cycle Length . . . 70 COS . . . . . 333  
 Offset . . . . . 0  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 16 2- 40 3- 22 4- 22  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . . . . . . . . . . . . .  
 Veh Recall .  
 Veh Max Recall .  
 Ped Recall .  
 Veh Omit .  
 Alt Sequence . . . A: . B: . C: . D: . E: . F: .  
 -----



Preemptors

-----  
Preemptor 3

Active . . . . . X Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . X Flash All Outputs X Zero Ped Clr Time. X  
 Terminate Overlap ASAP . . . . . Terminate Phases. X Ped Clr Thru Yel . .  
 Don't Override Flash . . . . . Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 Exit Max . . . . . 0  
 Min Hold Time. . . . . 1  
 Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.6	2.0
Track Clear . . . . .	1	3.6	2.0
Hold. . . . .		3.6	2.0

Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C	D
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .	X															
Exit Phases . . . . .		X														
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
 Linked Preemptor . . . . . 0

-----  
Preemptor 4

Active . . . . . X Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . X Flash All Outputs X Zero Ped Clr Time. X  
 Terminate Overlap ASAP . . . . . Terminate Phases. X Ped Clr Thru Yel . .  
 Don't Override Flash . . . . . Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 Exit Max . . . . . 0  
 Min Hold Time. . . . . 1  
 Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	2.0	0.0
Track Clear . . . . .	1	2.0	0.0
Hold. . . . .		3.6	2.0

Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C	D
Terminate Overlap . . . . .													X			
Track Clearance Phase . . . . .																
Hold Phases . . . . .	X															
Exit Phases . . . . .																
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
 Linked Preemptor . . . . . 0

Preemptors

-----  
Preemptor 5

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .  
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .  
Don't Override Flash . . . . . Duration Time. . . . . 0  
Flash During Hold. . . . . Delay Time . . . . . 0  
No CVM in Flash. . . . . Inhibit Time . . . . . 0  
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0  
Enable Max Time. . . . . Max Time . . . . . 0  
Exit Max . . . . . 0  
Min Hold Time. . . . . 0  
Hold Delay Time. . . . . 0

Minimum . . . . . Green 0 Yellow 0.0 Red 0.0  
Track Clear . . . . . 0 0.0 0.0  
Hold. . . . . 0.0 0.0

Phase/Overlap 1 2 3 4 5 6 7 8 9 10 11 12/ A B C D  
Terminate Overlap . . . . .  
Track Clearance Phase . . . . .  
Hold Phases . . . . .  
Exit Phases . . . . .  
Exit Calls on Phase . . . . .

Out of Flash Color for Exit Phases . . . . Green  
Linked Preemptor . . . . 0

-----  
Preemptor 6

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .  
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .  
Don't Override Flash . . . . . Duration Time. . . . . 0  
Flash During Hold. . . . . Delay Time . . . . . 0  
No CVM in Flash. . . . . Inhibit Time . . . . . 0  
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0  
Enable Max Time. . . . . Max Time . . . . . 0  
Exit Max . . . . . 0  
Min Hold Time. . . . . 0  
Hold Delay Time. . . . . 0

Minimum . . . . . Green 0 Yellow 0.0 Red 0.0  
Track Clear . . . . . 0 0.0 0.0  
Hold. . . . . 0.0 0.0

Phase/Overlap 1 2 3 4 5 6 7 8 9 10 11 12/ A B C D  
Terminate Overlap . . . . .  
Track Clearance Phase . . . . .  
Hold Phases . . . . .  
Exit Phases . . . . .  
Exit Calls on Phase . . . . .

Out of Flash Color for Exit Phases . . . . Green  
Linked Preemptor . . . . 0

Bus Preemptors

-----

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----

Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . YES If NO, then week containing Jan.

Disable Daylight Savings Time . . . . . NO

Daylight Savings

Begins Last Sunday in March . . . . . NO If NO, then Second Sunday as per



Holiday Programs

-----

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

NIC Program Steps

-----

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	YES
2	1	0600	0	YES
3	1	1000	0	YES
4	1	1500	0	YES
5	1	1900	0	YES
6	2	0000	0	YES

TOD Program Steps

-----  
 Step 1            Program 1            Step Begins    0000

Flash. . . . . Dimming Enable. . . . .  
 Red Rest . . . . . Alt Veh Extension . . . . .  
 Spare 5. . . . . Det Log Enable. . . . . X  
 Spare 3. . . . . Spare 4 . . . . .  
 Type 0 Dly Enable. . . . . Spare 2 . . . . .  
 Det Diag Plan. . . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 2            Program 2            Step Begins    0000

Flash. . . . . Dimming Enable. . . . .  
 Red Rest . . . . . Alt Veh Extension . . . . .  
 Spare 5. . . . . Det Log Enable. . . . . X  
 Spare 3. . . . . Spare 4 . . . . .  
 Type 0 Dly Enable. . . . . Spare 2 . . . . .  
 Det Diag Plan. . . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

Configuration

```

-----
                Controller Sequence Priority
                1    2    3    4    5    6    7    8    9    10    11    12
Ring 1 Phases . . 1    2  | 3    4  | 9    10  | 0    0    0    0    0    0
Ring 2 Phases . . 5    6  | 7    8  |11   12  | 0    0    0    0    0    0

                Phase
                1    2    3    4    5    6    7    8    9    10    11    12
In Use. . . . . X    X    X    X    X    X    X    X    .    .    .    .
Exclusive Ped . . .    .    .    .    .    .    .    .    .    .    .    .
Direction . . . .

                Overlap
                A    B    C    D
Direction . . .
    
```

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch Channel (MMU)	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	3	.
4 . . . . .	4	.
5 . . . . .	5	.
6 . . . . .	6	.
7 . . . . .	7	.
8 . . . . .	8	.
9 . . . . .	0	.
10 . . . . .	0	.
11 . . . . .	0	.
12 . . . . .	0	.
13 . . . . .	0	.
14 . . . . .	0	.
15 . . . . .	0	.
16 . . . . .	0	.



Configuration Continued

```

-----
                Event Enabling                                Alarm Enabling
Critical RFE'S (MMU/TF) . . . . . X          ALARM 1 . . . . . X
Non-Critical RFE'S (DET/TEST) . . X          ALARM 2 . . . . . X
Detector Errors . . . . . X                  ALARM 3 . . . . . X
Coordination Errors . . . . . X             ALARM 4 . . . . . X
MMU Flash Faults. . . . . X                 ALARM 5 . . . . . X
Local Flash Faults. . . . . X               ALARM 6 . . . . . X
Preempt . . . . . X                         ALARM 7 . . . . . X
Power On/Off. . . . . X                     ALARM 8 . . . . . X
Low Battery . . . . . X                     ALARM 9 . . . . . X
                                           ALARM 10. . . . . X
                                           ALARM 11. . . . . X
                                           ALARM 12. . . . . X
                                           ALARM 13. . . . . X
                                           ALARM 14. . . . . X
                                           ALARM 15. . . . . X
                                           ALARM 16. . . . . X
    
```

```

Supervisor Access Code. . . ****
Data Change Access Code . . ****
    
```

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

```

Version Info:
Software Assy.          Part No.          Version
Boot                    27831           2.83
Program                 45561           8.0
Application              . 3
Help                    27891           6.43
Configuration           27918           C000
    
```





Ped Carryover

-----

Ped Start Phase

Carry Over Phase

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0





Power Start, Remote Flash

-----

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
External Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
Into Remote Flash. . . . .	.	.	X	.	.	.	.	X	.	.	.	.				
Exit Remote Flash. . . . .	.	X	.	.	.	X	.	.	.	.	.	.	Overlap			
Remote Flash Yellow. . . . .	.	.	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	X	.	X

Initialization Interval:  
 Power Start . . . . . Green  
 External Start. . . . . Green

Power Start All Red Time. . . . . 0  
 Power Start Flash Time. . . . . 0

Remote Flash Options:  
 Out of Flash Yellow . . . . . NO  
 Out of Flash All Red. . . . . NO  
 Minimum Recall. . . . . NO  
 Alternate Flash . . . . . NO  
 Flash Thru Load Switches. . . . . NO  
 Cycle Through Phases. . . . . NO

Option Data

-----

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	X	.	.	.	X	.	.	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Dual Entry. . . . .	.	X	.	X	.	X	.	X	.	.	.	.
Conditional Service . . . . .	X	.	X	.	X	.	X	.	.	.	.	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry. . . . .	ON	Backup Protection Group 1 . . . . .	ON
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .	OFF
Ped Clearance Protection. . . . .	OFF	Backup Protection Group 3 . . . . .	OFF
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1. . . . .	ON
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2. . . . .	ON
Lock Detectors in Red Only. . . . .	OFF	Simultaneous Gap Group 3. . . . .	OFF

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

Det.	Locking	Log	Timers		Don't	Reset	Type
	Memory	Enable	Extend	Delay	Extend		
1	NO	NO	0.0	0	.	0	Normal
2	NO	NO	0.0	0	.	0	Normal
3	NO	NO	0.0	0	.	0	Normal
4	NO	NO	0.0	0	.	0	Normal
5	NO	NO	0.0	0	.	0	Normal
6	NO	NO	0.0	0	.	0	Normal
7	NO	NO	0.0	0	.	0	Normal
8	NO	NO	0.0	0	.	0	Normal
9	NO	NO	0.0	0	.	0	Normal
10	NO	NO	0.0	0	.	0	Normal
11	NO	NO	0.0	0	.	0	Normal
12	NO	NO	0.0	0	.	0	Normal
13	NO	NO	0.0	0	.	0	Normal
14	NO	NO	0.0	0	.	0	Normal
15	NO	NO	0.0	0	.	0	Normal
16	NO	NO	0.0	0	.	0	Normal
17	NO	NO	0.0	5	.	1	Extend/Delay
18	NO	YES	0.0	0	.	0	Normal
19	NO	NO	0.0	0	.	0	Normal
20	NO	NO	0.0	5	.	1	Extend/Delay
21	NO	NO	0.0	0	.	1	Extend/Delay
22	NO	YES	0.0	0	.	0	Normal
23	NO	NO	0.0	0	.	0	Normal
24	NO	NO	0.0	0	.	1	Extend/Delay
25	NO	NO	0.0	0	.	0	Normal
26	NO	YES	0.0	0	.	0	Normal
27	NO	NO	0.0	10	.	1	Extend/Delay
28	NO	NO	0.0	0	.	0	Normal
29	NO	NO	0.0	0	.	0	Normal
30	NO	YES	0.0	0	.	0	Normal
31	NO	NO	0.0	10	.	1	Extend/Delay
32	NO	NO	0.0	7	.	1	Extend/Delay

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

```

-----
33    NO      NO      0.0    0      .      0 - Normal
34    NO      NO      0.0    0      .      0 - Normal
35    NO      NO      0.0    0      .      0 - Normal
36    NO      NO      0.0    0      .      0 - Normal
37    NO      NO      0.0    0      .      0 - Normal
38    NO      NO      0.0    0      .      0 - Normal
39    NO      NO      0.0    0      .      0 - Normal
40    NO      NO      0.0    0      .      0 - Normal
41    NO      NO      0.0    0      .      0 - Normal
42    NO      NO      0.0    0      .      0 - Normal
43    NO      NO      0.0    0      .      0 - Normal
44    NO      NO      0.0    0      .      0 - Normal
45    NO      NO      0.0    0      .      0 - Normal
46    NO      NO      0.0    0      .      0 - Normal
47    NO      NO      0.0    0      .      0 - Normal
48    NO      NO      0.0    0      .      0 - Normal
49    NO      NO      0.0    0      .      0 - Normal
50    NO      NO      0.0    0      .      0 - Normal
51    NO      NO      0.0    0      .      0 - Normal
52    NO      NO      0.0    0      .      0 - Normal
53    NO      NO      0.0    0      .      0 - Normal
54    NO      NO      0.0    0      .      0 - Normal
55    NO      NO      0.0    0      .      0 - Normal
56    NO      NO      0.0    0      .      0 - Normal
57    NO      NO      0.0    0      .      0 - Normal
58    NO      NO      0.0    0      .      0 - Normal
59    NO      NO      0.0    0      .      0 - Normal
60    NO      NO      0.0    0      .      0 - Normal
61    NO      NO      0.0    0      .      0 - Normal
62    NO      NO      0.0    0      .      0 - Normal
63    NO      NO      0.0    0      .      0 - Normal
64    NO      NO      0.0    0      .      0 - Normal
    
```

Detector Names

```

Det 33: Detector 33
Det 34: Detector 34
Det 35: Detector 35
Det 36: Detector 36
Det 37: Detector 37
Det 38: Detector 38
Det 39: Detector 39
Det 40: Detector 40
Det 41: Detector 41
Det 42: Detector 42
Det 43: Detector 43
Det 44: Detector 44
Det 45: Detector 45
Det 46: Detector 46
Det 47: Detector 47
Det 48: Detector 48
Det 49: Detector 49
Det 50: Detector 50
Det 51: Detector 51
Det 52: Detector 52
Det 53: Detector 53
Det 54: Detector 54
Det 55: Detector 55
Det 56: Detector 56
Det 57: Detector 57
Det 58: Detector 58
Det 59: Detector 59
Det 60: Detector 60
Det 61: Detector 61
Det 62: Detector 62
Det 63: Detector 63
Det 64: Detector 64
    
```

Detector Phase Assignment

-----

Det.	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
1	X	.	.	.	.	.	.	.	.	.	.	.
2	.	X	.	.	.	.	.	.	.	.	.	.
3	.	.	X	.	.	.	.	.	.	.	.	.
4	.	.	.	X	.	.	.	.	.	.	.	.
5	.	.	.	.	X	.	.	.	.	.	.	.
6	.	.	.	.	.	X	.	.	.	.	.	.
7	.	.	.	.	.	.	X	.	.	.	.	.
8	.	.	.	.	.	.	.	X	.	.	.	.
9	.	.	.	.	.	.	.	.	X	.	.	.
10	.	.	.	.	.	.	.	.	.	X	.	.
11	.	.	.	.	.	.	.	.	.	.	X	.
12	.	.	.	.	.	.	.	.	.	.	.	X
13	.	.	.	.	.	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.	.	.	.	.	.
17	X	.	.	.	.	.	.	.	.	.	.	.
18	.	X	.	.	.	.	.	.	.	.	.	.
19	.	.	X	.	.	.	.	X	.	.	.	.
20	.	.	.	.	.	.	.	X	.	.	.	.
21	.	.	.	.	X	.	.	.	.	.	.	.
22	.	.	.	.	.	X	.	.	.	.	.	.
23	.	.	.	X	.	.	X	.	.	.	.	.
24	.	.	.	X	.	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.	.	.	.	.	.
26	.	X	.	.	.	.	.	.	.	.	.	.
27	.	.	.	.	.	X	.	.	.	.	.	.
28	.	.	.	.	.	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.	.	.	.	.	.
30	.	.	.	.	.	X	.	.	.	.	.	.
31	.	X	.	.	.	.	.	.	.	.	.	.
32	.	.	.	X	.	.	.	X	.	.	.	.





Ped/SD Local Assign,Log Interval

-----

	Phase Ped Detector											
	1	2	3	4	5	6	7	8	9	10	11	12
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	12

	*Local System Detector No.															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Is Local Detector No. . .	18	26	30	22	0	0	0	0	0	0	0	0	0	0	0	0

Detector Log Interval . . 0

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

		Detector															
Plan		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		Detector															
Plan		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Tiime from By-Phase Timing Data

Diagnostic Plans/Fail Action

Plan	Detector															
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan	Detector															
	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Tiime from By-Phase Timing Data



Detector Diagnostic Intervals

-----

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Counts
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

-----

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

-----  
 Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                      OffsetUnits . . . . . Percent  
 Interconnect Format . STD                      Interconnect Source . TLM  
 Transition. . . . . SMOOTH                      Dwell Period. . . . . 0  
 Resync Count. . . . . 0

Actuated Coord Phase . . . . . Actuated Walk Rest . . . . .  
 Inhibit Max Timing . . . . . X Max 2 Select . . . . .  
 Floating Force Off . . . . . X Multisync. . . . .

				Phase											
Split Demand:	Call	Time	Cyc Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . .	0		0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . .	0		0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase											
	1	2	3	4	5	6	7	8	9	10	11	12			
Auto Permissive Min Green .	0	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . .	.	.	.	.	.	.

Coordination Patterns

-----  
 Pattern 1

Cycle Length . . . 80 COS . . . . . 701  
 Offset . . . . . 74  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 66 3- 0 4- 34  
           Phase 5- 0 6- 66 7- 0 8- 34  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . X . X . X . X . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 2

Cycle Length . . . 105 COS . . . . . 702  
 Offset . . . . . 20  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 16 2- 38 3- 15 4- 31  
           Phase 5- 16 6- 38 7- 15 8- 31  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 3

Cycle Length . . . 105 COS . . . . . 703  
 Offset . . . . . 17  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 11 2- 58 3- 11 4- 20  
           Phase 5- 11 6- 58 7- 11 8- 20  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

-----  
 Pattern 4

Cycle Length . . . 105 COS . . . . . 704  
 Offset . . . . . 10  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 11 2- 58 3- 11 4- 20  
           Phase 5- 11 6- 58 7- 11 8- 20  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 5

Cycle Length . . . 125 COS . . . . . 705  
 Offset . . . . . 88  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 11 2- 58 3- 11 4- 20  
           Phase 5- 11 6- 58 7- 11 8- 20  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 6

Cycle Length . . . 125 COS . . . . . 706  
 Offset . . . . . 76  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 11 2- 58 3- 11 4- 20  
           Phase 5- 11 6- 58 7- 11 8- 20  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

-----  
Pattern 7

Cycle Length . . 125 COS . . . . . 707

Offset . . . . . 72

Vehicle Permissive . . [1] 5 [2] 0

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 11 2- 58 3- 11 4- 20

Phase 5- 11 6- 58 7- 11 8- 20

Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0

Split Extension/Ring [1] 0 [2] 0

Split Demand Pattern [1] 0 [2] 0

XRT Pattern. . . 0

Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12

Coord Phases . . . X . . . X . . . . .

Veh Recall . . . . .

Veh Max Recall . . . . .

Ped Recall . . . . .

Veh Omit . . . . .

Alt Sequence . . A: . B: . C: . D: . E: . F: .  
-----

Preemptors

Preemptor 1

```

Active . . . . . Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 0
                               Hold Delay Time. . . . . 0

```

```

                               Green      Yellow      Red
Minimum . . . . .      0          0.0        0.0
Track Clear . . . . .      0          0.0        0.0
Hold. . . . .          0.0        0.0

```

```

Phase/Overlap  1  2  3  4  5  6  7  8  9 10 11 12/ A  B  C  D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

Out of Flash Color for Exit Phases . . . . Green

Preemptor 2

```

Active . . . . . Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 0
                               Hold Delay Time. . . . . 0

```

```

                               Green      Yellow      Red
Minimum . . . . .      0          0.0        0.0
Track Clear . . . . .      0          0.0        0.0
Hold. . . . .          0.0        0.0

```

```

Phase/Overlap  1  2  3  4  5  6  7  8  9 10 11 12/ A  B  C  D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

Out of Flash Color for Exit Phases . . . . Green

Linked Preemptor . . . . 0





Bus Preemptors

-----

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----

Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . NO If NO, then week containing Jan.

Disable Daylight Savings Time . . . . . NO

Daylight Savings

Begins Last Sunday in March . . . . . NO If NO, then Second Sunday as per



Holiday Programs

-----

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

NIC Program Steps

-----

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0645	2	NO
3	1	1000	3	NO
4	1	1930	0	NO
5	2	0000	0	NO

TOD Program Steps

-----  
 Step 1            Program 1            Step Begins        0000

Flash. . . . . X            Dimming Enable. . . . .  
 Red Rest . . . . .            Alt Veh Extension . . . . .  
 Spare 5. . . . .            Det Log Enable. . . . . X  
 Spare 3. . . . .            Spare 4 . . . . .  
 Type 0 Dly Enable. . . . .  
 Det Diag Plan. . . . . 0            Spare 2 . . . . .

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 2            Program 1            Step Begins        0530

Flash. . . . .            Dimming Enable. . . . .  
 Red Rest . . . . .            Alt Veh Extension . . . . .  
 Spare 5. . . . .            Det Log Enable. . . . . X  
 Spare 3. . . . .            Spare 4 . . . . .  
 Type 0 Dly Enable. . . . .  
 Det Diag Plan. . . . . 0            Spare 2 . . . . .

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----



TOD Program Steps

-----  
 Step 5            Program 2            Step Begins        0700

Flash. . . . . Dimming Enable. . . . .  
 Red Rest . . . . . Alt Veh Extension . . . . .  
 Spare 5. . . . . Det Log Enable. . . . . X  
 Spare 3. . . . . Spare 4 . . . . .  
 Type 0 Dly Enable. . . . . Spare 2 . . . . .  
 Det Diag Plan. . . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 6            Program 2            Step Begins        2200

Flash. . . . . X            Dimming Enable. . . . .  
 Red Rest . . . . . Alt Veh Extension . . . . .  
 Spare 5. . . . . Det Log Enable. . . . . X  
 Spare 3. . . . . Spare 4 . . . . .  
 Type 0 Dly Enable. . . . . Spare 2 . . . . .  
 Det Diag Plan. . . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

Configuration

-----

	Controller Sequence Priority											
	1	2	3	4	5	6	7	8	9	10	11	12
Ring 1 Phases . . .	1	2	3	4	9	10	0	0	0	0	0	0
Ring 2 Phases . . .	5	6	7	8	11	12	0	0	0	0	0	0

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
In Use. . . . .	X	X	.	X	.	X	X	.	.	.	.	.
Exclusive Ped . . .	.	.	.	.	.	.	.	.	.	.	.	.
Direction . . . . .												

	Overlap			
	A	B	C	D
Direction . . . . .				

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch Channel (MMU)	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	0	.
4 . . . . .	4	.
5 . . . . .	0	.
6 . . . . .	6	.
7 . . . . .	7	.
8 . . . . .	0	.
9 . . . . .	0	.
10 . . . . .	0	.
11 . . . . .	0	.
12 . . . . .	0	.
13 . . . . .	0	.
14 . . . . .	0	.
15 . . . . .	0	.
16 . . . . .	0	.



Configuration Continued

```

-----
                Event Enabling                                Alarm Enabling

Critical RFE'S (MMU/TF) . . . . . X          ALARM 1 . . . . . X
Non-Critical RFE'S (DET/TEST) . . X          ALARM 2 . . . . . X
Detector Errors . . . . . X                  ALARM 3 . . . . . X
Coordination Errors . . . . . X             ALARM 4 . . . . . X
MMU Flash Faults. . . . . X                 ALARM 5 . . . . . X
Local Flash Faults. . . . . X               ALARM 6 . . . . . X
Preempt . . . . . X                         ALARM 7 . . . . . X
Power On/Off. . . . . X                     ALARM 8 . . . . . X
Low Battery . . . . . X                     ALARM 9 . . . . . X
                                           ALARM 10. . . . . X
                                           ALARM 11. . . . . X
                                           ALARM 12. . . . . X
                                           ALARM 13. . . . . X
                                           ALARM 14. . . . . X
                                           ALARM 15. . . . . X
                                           ALARM 16. . . . . X
    
```

Supervisor Access Code . . . \*\*\*\*  
 Data Change Access Code . . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:		
Software Assy.	Part No.	Version
Boot	27831	2.83
Program	45561	8.0
Application		. 3
Help	27891	6.43
Configuration	27918	C000





Ped Carryover

-----

Ped Start Phase	Carry Over Phase
-----------------	------------------

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0





Power Start, Remote Flash

-----

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
External Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
Into Remote Flash. . . . .	.	.	.	X	.	.	X	.	.	.	.	.				
Exit Remote Flash. . . . .	.	X	.	.	.	X	.	.	.	.	.	.	Overlap			
Remote Flash Yellow. . . . .	.	.	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	X	.	X

Initialization Interval:  
 Power Start . . . . . Green  
 External Start. . . . . Green

Power Start All Red Time. . . . . 0  
 Power Start Flash Time. . . . . 0

Remote Flash Options:

Out of Flash Yellow . . . . . NO  
 Out of Flash All Red. . . . . NO  
 Minimum Recall. . . . . NO  
 Alternate Flash . . . . . NO  
 Flash Thru Load Switches. . . . . NO  
 Cycle Through Phases. . . . . NO

Option Data

```

-----
                                Phase
                                1  2  3  4  5  6  7  8  9 10 11 12
Guaranteed Passage . . . . .
Call To NonActuated 1 . . X . . . X . . . . .
Call To NonActuated 2 . . . . .
Dual Entry. . . . . X . X . X X . . X . X
Conditional Service . . X . X . X . X . X . X .
Conditional Reservice . . . . .
Actuated Rest in Walk . . . . .
Flashing Walk . . . . .

```

Enable Programmable Options

```

Dual Entry. . . . . ON Backup Protection Group 1 . . . . ON
Conditional Service . . . . . OFF Backup Protection Group 2 . . . . OFF
Ped Clearance Protection. . . . OFF Backup Protection Group 3 . . . . OFF
Special Preempt Overlap Flash . OFF Simultaneous Gap Group 1. . . . ON
Cond Service Det Cross Switch . OFF Simultaneous Gap Group 2. . . . ON
Lock Detectors in Red Only. . . OFF Simultaneous Gap Group 3. . . . OFF

```

Five Section Left Turn Control

```

Phases: 5-2  7-4  1-6  3-8  11-10  9-12
Left Turn Head. . . . .

```



Detector Type/Timers

```

-----

```

Det.	Locking	Log	Timers		Don't	Reset	Type
	Memory	Enable	Extend	Delay	Extend		
1	NO	NO	0.0	0	.	0	0 - Normal
2	NO	NO	0.0	0	.	0	0 - Normal
3	NO	NO	0.0	0	.	0	0 - Normal
4	NO	NO	0.0	0	.	0	0 - Normal
5	NO	NO	0.0	0	.	0	0 - Normal
6	NO	NO	0.0	0	.	0	0 - Normal
7	NO	NO	0.0	0	.	0	0 - Normal
8	NO	NO	0.0	0	.	0	0 - Normal
9	NO	NO	0.0	0	.	0	0 - Normal
10	NO	NO	0.0	0	.	0	0 - Normal
11	NO	NO	0.0	0	.	0	0 - Normal
12	NO	NO	0.0	0	.	0	0 - Normal
13	NO	NO	0.0	0	.	0	0 - Normal
14	NO	NO	0.0	0	.	0	0 - Normal
15	NO	NO	0.0	0	.	0	0 - Normal
16	NO	NO	0.0	0	.	0	0 - Normal
17	NO	NO	0.0	5	.	1	1 - Extend/Delay
18	NO	NO	0.0	0	.	0	0 - Normal
19	NO	NO	0.0	0	.	0	0 - Normal
20	NO	NO	0.0	10	.	1	1 - Extend/Delay
21	NO	NO	0.0	0	.	0	0 - Normal
22	NO	NO	0.0	0	.	0	0 - Normal
23	NO	NO	0.0	5	.	1	1 - Extend/Delay
24	NO	NO	0.0	0	.	0	0 - Normal
25	NO	NO	0.0	0	.	0	0 - Normal
26	NO	NO	0.0	0	.	0	0 - Normal
27	NO	NO	0.0	0	.	0	0 - Normal
28	NO	NO	0.0	0	.	0	0 - Normal
29	NO	NO	0.0	0	.	0	0 - Normal
30	NO	NO	0.0	0	.	0	0 - Normal
31	NO	NO	0.0	0	.	0	0 - Normal
32	NO	NO	0.0	0	.	0	0 - Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

```

-----
33    NO      NO      0.0    0      .      0 - Normal
34    NO      NO      0.0    0      .      0 - Normal
35    NO      NO      0.0    0      .      0 - Normal
36    NO      NO      0.0    0      .      0 - Normal
37    NO      NO      0.0    0      .      0 - Normal
38    NO      NO      0.0    0      .      0 - Normal
39    NO      NO      0.0    0      .      0 - Normal
40    NO      NO      0.0    0      .      0 - Normal
41    NO      NO      0.0    0      .      0 - Normal
42    NO      NO      0.0    0      .      0 - Normal
43    NO      NO      0.0    0      .      0 - Normal
44    NO      NO      0.0    0      .      0 - Normal
45    NO      NO      0.0    0      .      0 - Normal
46    NO      NO      0.0    0      .      0 - Normal
47    NO      NO      0.0    0      .      0 - Normal
48    NO      NO      0.0    0      .      0 - Normal
49    NO      NO      0.0    0      .      0 - Normal
50    NO      NO      0.0    0      .      0 - Normal
51    NO      NO      0.0    0      .      0 - Normal
52    NO      NO      0.0    0      .      0 - Normal
53    NO      NO      0.0    0      .      0 - Normal
54    NO      NO      0.0    0      .      0 - Normal
55    NO      NO      0.0    0      .      0 - Normal
56    NO      NO      0.0    0      .      0 - Normal
57    NO      NO      0.0    0      .      0 - Normal
58    NO      NO      0.0    0      .      0 - Normal
59    NO      NO      0.0    0      .      0 - Normal
60    NO      NO      0.0    0      .      0 - Normal
61    NO      NO      0.0    0      .      0 - Normal
62    NO      NO      0.0    0      .      0 - Normal
63    NO      NO      0.0    0      .      0 - Normal
64    NO      NO      0.0    0      .      0 - Normal
    
```

Detector Names

```

Det 33: Detector 33
Det 34: Detector 34
Det 35: Detector 35
Det 36: Detector 36
Det 37: Detector 37
Det 38: Detector 38
Det 39: Detector 39
Det 40: Detector 40
Det 41: Detector 41
Det 42: Detector 42
Det 43: Detector 43
Det 44: Detector 44
Det 45: Detector 45
Det 46: Detector 46
Det 47: Detector 47
Det 48: Detector 48
Det 49: Detector 49
Det 50: Detector 50
Det 51: Detector 51
Det 52: Detector 52
Det 53: Detector 53
Det 54: Detector 54
Det 55: Detector 55
Det 56: Detector 56
Det 57: Detector 57
Det 58: Detector 58
Det 59: Detector 59
Det 60: Detector 60
Det 61: Detector 61
Det 62: Detector 62
Det 63: Detector 63
Det 64: Detector 64
    
```







Ped/SD Local Assign,Log Interval

-----

	Phase Ped Detector											
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	12
	1	2	3	4	5	6	7	8	9	10	11	12

	*Local System Detector No.															
Is Local Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Detector Log Interval . . . 0

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

		Detector															
Plan		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		Detector															
Plan		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Tiime from By-Phase Timing Data

Diagnostic Plans/Fail Action

Plan	Detector															
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan	Detector															
	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Tiime from By-Phase Timing Data



Detector Diagnostic Intervals

-----

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Counts
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

-----

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

-----  
 Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                      OffsetUnits . . . . . Percent  
 Interconnect Format . STD                      Interconnect Source . TLM  
 Transition. . . . . SMOOTH                      Dwell Period. . . . . 0  
 Resync Count. . . . . 0

Actuated Coord Phase . . . . . Actuated Walk Rest . . . . .  
 Inhibit Max Timing . . . . . X Max 2 Select . . . . .  
 Floating Force Off . . . . . X Multisync. . . . .

				Phase												
Split Demand:	Call	Time	Cyc	Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase											
	1	2	3	4	5	6	7	8	9	10	11	12			
Auto Permissive Min Green .	0	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . .	.	.	.	.	.	.

Coordination Patterns

-----  
 Pattern 1

Cycle Length . . . 80 COS . . . . . 701  
 Offset . . . . . 45  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 70 3- 0 4- 30  
           Phase 5- 0 6- 70 7- 30 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . X . . . . . . . . . . .  
 Alt Sequence . . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 2

Cycle Length . . . 105 COS . . . . . 702  
 Offset . . . . . 72  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 17 2- 67 3- 0 4- 16  
           Phase 5- 0 6- 84 7- 16 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 3

Cycle Length . . . 105 COS . . . . . 703  
 Offset . . . . . 73  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 16 2- 52 3- 0 4- 32  
           Phase 5- 0 6- 68 7- 32 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

-----  
Pattern 4

Cycle Length . . . 105 COS . . . . . 704  
 Offset . . . . . 0  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 12 2- 50 3- 0 4- 38  
 Phase 5- 0 6- 62 7- 38 8- 0  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 5

Cycle Length . . . 125 COS . . . . . 705  
 Offset . . . . . 72  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 18 2- 68 3- 0 4- 14  
 Phase 5- 0 6- 86 7- 14 8- 0  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 6

Cycle Length . . . 125 COS . . . . . 706  
 Offset . . . . . 30  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 15 2- 53 3- 0 4- 32  
 Phase 5- 0 6- 68 7- 32 8- 0  
 Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----

Coordination Patterns

-----  
Pattern 7

Cycle Length . . 125 COS . . . . . 707

Offset . . . . . 13

Vehicle Permissive . . [1] 10 [2] 0

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 10 2- 55 3- 0 4- 35

Phase 5- 0 6- 65 7- 35 8- 0

Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0

Split Extension/Ring [1] 0 [2] 0

Split Demand Pattern [1] 0 [2] 0

XRT Pattern. . . 0

Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12

Coord Phases . . . X . . . X . . . . .

Veh Recall . . . . .

Veh Max Recall . . . . .

Ped Recall . . . . .

Veh Omit . . . . .

Alt Sequence . . A: . B: . C: . D: . E: . F: .  
-----

Preemptors

Preemptor 1

```

Active . . . . . Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 0
                               Hold Delay Time. . . . . 0

```

```

                               Green      Yellow      Red
Minimum . . . . .      0          0.0        0.0
Track Clear . . . . .      0          0.0        0.0
Hold. . . . .          0          0.0        0.0

```

```

Phase/Overlap  1  2  3  4  5  6  7  8  9 10 11 12/ A  B  C  D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

Out of Flash Color for Exit Phases . . . . Green

Preemptor 2

```

Active . . . . . Det Lock. . . . . Ped Dark . . . . .
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .
Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Time. . . . .
Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel . . . . .
Don't Override Flash . . . . . Duration Time. . . . . 0
Flash During Hold. . . . . Delay Time . . . . . 0
No CVM in Flash. . . . . Inhibit Time . . . . . 0
Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0
Enable Max Time. . . . . Max Time . . . . . 0
                               Exit Max . . . . . 0
                               Min Hold Time. . . . . 0
                               Hold Delay Time. . . . . 0

```

```

                               Green      Yellow      Red
Minimum . . . . .      0          0.0        0.0
Track Clear . . . . .      0          0.0        0.0
Hold. . . . .          0          0.0        0.0

```

```

Phase/Overlap  1  2  3  4  5  6  7  8  9 10 11 12/ A  B  C  D
Terminate Overlap . . . . .
Track Clearance Phase . . . . .
Hold Phases . . . . .
Exit Phases . . . . .
Exit Calls on Phase . . . . .

```

Out of Flash Color for Exit Phases . . . . Green

Linked Preemptor . . . . 0





Bus Preemptors

-----

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----

Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . NO If NO, then week containing Jan.

Disable Daylight Savings Time . . . . . NO

Daylight Savings

Begins Last Sunday in March . . . . . NO If NO, then Second Sunday as per



Holiday Programs

-----

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

NIC Program Steps

---

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0645	2	NO
3	1	1000	1	NO
4	1	1600	5	NO
5	1	1830	1	NO
6	1	2100	0	NO
7	2	0000	0	NO

TOD Program Steps

-----  
 Step 1            Program 1            Step Begins        0000

Flash. . . . . X            Dimming Enable. . . . .  
 Red Rest . . . . .            Alt Veh Extension . . . . .  
 Spare 5. . . . .            Det Log Enable. . . . .  
 Spare 3. . . . .            Spare 4 . . . . .  
 Type 0 Dly Enable. . . . . Spare 2 . . . . .  
 Det Diag Plan. . . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 2            Program 1            Step Begins        0530

Flash. . . . .            Dimming Enable. . . . .  
 Red Rest . . . . .            Alt Veh Extension . . . . .  
 Spare 5. . . . .            Det Log Enable. . . . .  
 Spare 3. . . . .            Spare 4 . . . . .  
 Type 0 Dly Enable. . . . . Spare 2 . . . . .  
 Det Diag Plan. . . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

TOD Program Steps

-----  
 Step 3            Program 1            Step Begins        2200

Flash. . . . .	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	.
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 4            Program 2            Step Begins        0000

Flash. . . . .	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	.
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

TOD Program Steps

-----  
 Step 5            Program 2            Step Begins        0700

Flash. . . . . Dimming Enable. . . . .  
 Red Rest . . . . . Alt Veh Extension . . . . .  
 Spare 5. . . . . Det Log Enable. . . . .  
 Spare 3. . . . . Spare 4 . . . . .  
 Type 0 Dly Enable. . . Spare 2 . . . . .  
 Det Diag Plan. . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 6            Program 2            Step Begins        2200

Flash. . . . . X            Dimming Enable. . . . .  
 Red Rest . . . . . Alt Veh Extension . . . . .  
 Spare 5. . . . . Det Log Enable. . . . .  
 Spare 3. . . . . Spare 4 . . . . .  
 Type 0 Dly Enable. . . Spare 2 . . . . .  
 Det Diag Plan. . . . 0

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----



Ring 1		1	2		4	3		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		5	6		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 12																			
Ring 1		2	1		4	3		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		5	6		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 13																			
Ring 1		1	2		3	4		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 14																			
Ring 1		2	1		3	4		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 15																			
Ring 1		1	2		4	3		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 16																			
Ring 1		2	1		4	3		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.	.

Phases In Use / Exclusive PED (MM)1-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Phases in Use	X	X		X	X	X		X								
Exclusive PED																

Phase Compatibility (MM)1-1-2

Phase	Compatible Phase
n/a	Barrier Mode

Phase and Overlap Descriptions

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Overlap	A	B	C	D	E	F	G	H	I	J	L	K	L	M	N	O
Description																

Administration (MM)1-7-1

Enable CU/Cabinet Interlock  
CRC No

Request Download  
Controller Data No

Controller Database CRC 0000

Enable Automatic Backup to Datakey Yes

Backup Prevent (MM)1-1-3

Phases	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Timing /</b>	<b>1</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Backup</b>	<b>2</b>	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>3</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>4</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>5</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>6</b>	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
	<b>7</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>8</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>9</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>10</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>11</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>12</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>13</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>14</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>15</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>16</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Simultaneous Gap (MM)1-1-4

Phases	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	<b>1</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>2</b>	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
	<b>3</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>4</b>	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
	<b>5</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phase	<b>6</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Must	<b>7</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gap	<b>8</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
With	<b>9</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phase	<b>10</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>11</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>12</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>13</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>14</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>15</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>16</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>Disable</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Load Switch Assignments (MMU Channel) (MM)1-3

Phase / Type

Dimming

Power Up

Auto

Flash

Overlap			Red	Yellow	Green	Dark	Auto	Red	Yellow	Dark	Red	Yellow	Together
1	1	V				+	X				X		X
2	2	V				+	X					X	X
3	3	V				+	X				X		
4	4	V				+	X				X		
5	5	V				-	X				X		X
6	6	V				-	X					X	X
7	7	V				-	X				X		
8	8	V				-	X				X		
9	2	P				+	X						
10	4	P				+	X						
11	6	P				-	X						
12	8	P				-	X						
13	1	O				+	X				X		
14	2	O				-	X				X		X
15	3	O				+	X				X		
16	4	O				-	X				X		X

Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Configuration Port 1 (SDLC)**

**SDLC Options (MM)1-4-1**

BIU	1	2	3	4	5	6	7	8
Term and Facility Enable								
Detector Rack Enable		X						

Enable TS2/MMU Type Cabinet: Yes

Enable MMU Extended Status: No

Enable SDLC Stop Time: Yes

Enable 3 Critical RFE's Lockup: No

**MMU Program (MM)1-4-2**

Channel Can Serve with  
Channel

Channel 1 Channel 2

**Color Check Enable (MM)1-4-3**

Enable Color Check: Yes

MMU Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Green	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Yellow	X	X	X	X	X	X	X	X					X	X	X	X
Red		X		X		X		X	X	X	X	X	X	X	X	X

**Secondary To Secondary Addressing (MM)1-4-4**

ID	1	2	3	4	5	6	7	8	MMU
Term and Facility Enable									

ID	1	2	3	4	5	6	7	8	Diag
Detector Rack Enable									

Diagonstics (Test Fixture) Enable: No

Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

## Configuration Communications

### Ethernet Port Configuration (MM)1-5-1 NTCIP Parameters (MM)1-5-5

Controller IP:	90.0.0.99	Backup Time:	0
Subnet Mask:	255.255.0.0	UDP Port:	501
Default Gateway IP:	0.0.0.0	Ethernet Priority:	1
Server IP:	10.70.10.1	Port 2 Priority:	4
		Port 3A Priority:	2
		Port 3B Priority:	3

### Port Configuration (MM)1-5-2 to 1-5-4

Port	2 (C50S)	3A (C21S)	3B (C22S)
Protocol	NTCIP	ECPIP	NTCIP
Enable	No	Yes	No
Data Rate	38.4K	9600	1200
Data Parity Stop	8 N 1	8 N 1	8 0 1
Modem Setup String	None	None	None
User String			
Comm Port Address	1	6	1
System Detector 9-1	0	0	0
Telemetry Response Delay	0.0	15.0	0.0
Duplex Half/Full	Full	Full	Full
Flow Control	Yes	No	Yes
AB3418 NTCIP Group Address	0	0	0
AB3418 NTCIP Single Flag Enable	No	Yes	Yes
RTS to CTS Delay	0.0	0.0	3.0
RTS Turn Off Delay	0.0	0.0	2.0
Droupout Time	10	10	300
Early RTS	No	No	No
Telemetry Mode	FSK	FSK	FSK
Rail Road	0	0	0
Rail Road Line	0	0	0
ATCS Group	0	0	0
Wayside Device	0	0	0
ATCS Device	0	0	0
Wayside SubNode	0	0	0
ATCS SubNode	0	0	0

## ECPIP Parameters (MM)1-5-6

Controller Address: 6

Expanded System Detector Address: 0

### Local System Detector

Local System Detector	Number
1	26
2	28
3	30

Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

### Configuration Logging/Display

#### Event Logging (MM)1-6-1

Critical RFE's	Yes	3 Critical RFE's in 24 Hours	Yes
MMU Flash Faults	Yes	Local Flash Faults	Yes
Non-Critical RFE's (Det/Test)	Yes	Detector Errors	Yes
Coordination Errors	Yes	Controller Download	Yes
Preempt	Yes	TSP	Yes
Power On/Off	Yes	Low Battery	Yes
Access	Yes	Data Change	Yes
Online/Offline	Yes		

Alarm Log	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Enable Logging	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

#### Display Options (MM)1-7-2

Key Click Enable:	Yes
Backlight Enable:	Yes
LED Mode:	Auto
Main Status Display Mode:	Advanced
Screen Format:	Advanced
Trans Mode Pop-up Disable:	No

#### Sign On (MM)8-5

Sign On Message Line 1: Solutions that Move the World

Sign On Message Line 2:





Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Controller Overlaps**

Overlap	Type	Vehicle Overlaps (MM)2-2			
		Lag Green	Yellow	Red	Advance Green

Overlap	Phase	Included	Protect	Phases		Modifier	Lag X Phase	Lag 2 Phase	Flash Green
				Ped Protect	Not Overlap				

PPLT FYA

Overlap	Protected Phase	Permissive Phase	Flash Arrow Output	Flash Arrow Channel	FYA Delay	FYA Clearance	Special Function Disable
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Guaranteed Minimum Time Data (MM) 2-4

Phase	Phase Time Data					
	Min Green	Walk	Ped Clear	Yellow	Red Clear	Overlap Green
A01	0	0	0	3.0	0.0	0
B02	0	0	5	3.0	0.0	0
C03	0	0	0	3.0	0.0	0
D04	0	0	5	3.0	0.0	0
E05	0	0	0	3.0	0.0	0
F06	0	0	5	3.0	0.0	0
G07	0	0	0	3.0	0.0	0
H08	0	0	5	3.0	0.0	0
I09	0	0	0	3.0	0.0	0
J10	0	0	0	3.0	0.0	0
K11	0	0	0	3.0	0.0	0
L12	0	0	0	3.0	0.0	0
M13	0	0	0	3.0	0.0	0
N14	0	0	0	3.0	0.0	0
O15	0	0	0	3.0	0.0	0
P16	0	0	0	3.0	0.0	0

Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Controller Pedestrian Overlaps**

Pedestrian Overlaps (MM) 2-3

Included Phase Ped Overlap

Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

### Controller Start/Fash (MM) 2-5

#### Startup

Phase	Phase Setting
2	G
6	G

#### Overlap

A  
B  
C  
D

Flash > Mon:	Yes
Flash Time:	0
All Red:	0
Power Start Sequence:	1
MUTCD Enabled:	No
MUTCD Yellow to Green:	n/a

#### Automatic Flash

##### Entry Phase

4  
8

##### Exit Phase

2  
6

##### Overlap Exit

A  
B  
C  
D

Flash > Mon:	Yes
Exit Flash Interval:	W
Minimum Auto Flash:	8

Minimum Recall: No

Cycle Through Phase: No





Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Coordination Options**

**Coordination Options (MM)3-1**

Manual Pattern	Auto	ECPI Coord	Yes
System Source	SYS	System Format	STD
Splits In	Percent	Offsets In	Percent
Transition	Smooth	Max Select	MAXINH
Dwell/Add Time	0		
Delay Coord Walk to LZ	No	Force Off	Float
Offset Reference	Yellow	Use Ped Time	Yes
Ped Recall	No	Ped Reservice	No
Local Zero Override	No	FO Added Initial Green	No
Re-Sync Count	0	Multisync	No

**Auto Perm Minimum Green (Seconds) (MM)3-4**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Minimum Green	5	10	5	5	6	10	5	5	0	0	0	0	0	0	0	0

**Split Demand (MM)3-5**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Demand 1																
Demand 2																

Demand	1	2
Detector	0	0
Call Time (Sec)	0	0
Cycle Count	0	0



**Pattern - 2**

Split Pattern	2	TS2 (Pat-Off)	0-2	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	30%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 2)	13	65	0	22	13	65	0	22	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	10	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 3**

Split Pattern	3	TS2 (Pat-Off)	0-3	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	13%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 4**

Split Pattern	4	TS2 (Pat-Off)	1-1	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	4%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 4)	13	66	0	21	13	66	0	21	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	10	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 5**

Split Pattern	5	TS2 (Pat-Off)	1-2	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	44%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 6**

Split Pattern	6	TS2 (Pat-Off)	1-3	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	37%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 6)	11	72	0	17	11	72	0	17	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	10	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 7**

Split Pattern	7	TS2 (Pat-Off)	2-1	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	35%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		





Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Time Base Clock/Calendar**

Clock/Calendar Options (MM)5-1

Enable Action Plan: 0  
Sync Reference Time: 12:00 AM  
Sync Reference: Reference Time  
Day Light Savings: USDLS  
Time Reset Input Set Time: 3:30:00  
Standard Time From GMT: -5

Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Time Base Action Plan  
Action Plan (MM)5-2**

**Action Plan - 1**

Pattern	1	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 2**

Pattern	2	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 3**

Pattern	3	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 4**

Pattern	4	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
FunctionAuxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 5**

Pattern	5	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 99**

Pattern	255 - FLSH	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	Yes	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 100**

Pattern	254 - FREE	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Time Base Day Plan/Schedule**  
**Day Plan (MM)5-3**

**Day Plan - 1**

Event	Action Plan	Start Time
1	99	12:00 AM
2	2	6:30 AM
3	1	10:00 AM
4	5	4:00 PM
5	1	6:30 PM
6	100	9:00 PM
7	99	10:00 PM

**Day Plan - 2**

Event	Action Plan	Start Time
1	99	12:00 AM
2	100	6:00 AM
3	99	10:00 PM



Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Time Base Exceptions**

Exception Day Program (MM)5-5

Day	Fixed/Float	Month	Day of Week/Month	Week of Month/Year	Day Plan
37	FIXED	255	255	65535	255
38	FIXED	255	255	65535	255
39	FIXED	255	255	65535	255
40	FIXED	255	255	65535	255
41	FIXED	255	255	65535	255
42	FIXED	255	255	65535	255
43	FIXED	255	255	65535	255
44	FIXED	255	255	65535	255
45	FIXED	255	255	65535	255
46	FIXED	255	255	65535	255
47	FIXED	255	255	65535	255
48	FIXED	255	255	65535	255
49	FIXED	255	255	65535	255
50	FIXED	255	255	65535	255
51	FIXED	255	255	65535	255
52	FIXED	255	255	65535	255
53	FIXED	255	255	65535	255
54	FIXED	255	255	65535	255
55	FIXED	255	255	65535	255
56	FIXED	255	255	65535	255
57	FIXED	255	255	65535	255
58	FIXED	255	255	65535	255
59	FIXED	255	255	65535	255
60	FIXED	255	255	65535	255
61	FIXED	255	255	65535	255
62	FIXED	255	255	65535	255
63	FIXED	255	255	65535	255
64	FIXED	255	255	65535	255
65	FIXED	255	255	65535	255
66	FIXED	255	255	65535	255
67	FIXED	255	255	65535	255
68	FIXED	255	255	65535	255
69	FIXED	255	255	65535	255
70	FIXED	255	255	65535	255

71	FIXED	255	255	65535	255
72	FIXED	255	255	65535	255
73	FIXED	255	255	65535	255
74	FIXED	255	255	65535	255
75	FIXED	255	255	65535	255
76	FIXED	255	255	65535	255
77	FIXED	255	255	65535	255
78	FIXED	255	255	65535	255
79	FIXED	255	255	65535	255
80	FIXED	255	255	65535	255
81	FIXED	255	255	65535	255
82	FIXED	255	255	65535	255
83	FIXED	255	255	65535	255
84	FIXED	255	255	65535	255
85	FIXED	255	255	65535	255
86	FIXED	255	255	65535	255
87	FIXED	255	255	65535	255
88	FIXED	255	255	65535	255
89	FIXED	255	255	65535	255
90	FIXED	255	255	65535	255



30	N-NTCIP	Yes
31	N-NTCIP	Yes
32	N-NTCIP	Yes
33	N-NTCIP	Yes
34	N-NTCIP	Yes
35	N-NTCIP	Yes
36	N-NTCIP	Yes
37	N-NTCIP	Yes
38	N-NTCIP	Yes
39	N-NTCIP	Yes
40	N-NTCIP	Yes
41	N-NTCIP	Yes
42	N-NTCIP	Yes
43	N-NTCIP	Yes
44	N-NTCIP	Yes
45	N-NTCIP	Yes
46	N-NTCIP	Yes
47	N-NTCIP	Yes
48	N-NTCIP	Yes
49	N-NTCIP	Yes
50	N-NTCIP	Yes
51	N-NTCIP	Yes
52	N-NTCIP	Yes
53	N-NTCIP	Yes
54	N-NTCIP	Yes
55	N-NTCIP	Yes
56	N-NTCIP	Yes
57	N-NTCIP	Yes
58	N-NTCIP	Yes
59	N-NTCIP	Yes
60	N-NTCIP	Yes
61	N-NTCIP	Yes
62	N-NTCIP	Yes
63	N-NTCIP	Yes
64	N-NTCIP	Yes

Vehicle Detector Setup (MM)6-2 continued

Det Num	Veh Det Plan	Phase	ECPI Log	Call Option	Delay Time	Ext Option	Extend Time / Passage Time	Queue Lim / Discon. Time	Use Added Initial	Cross Switch Phase	Lock In	NTCIP Vol.	NTCIP Occ.	Pmt Queue Delay
1	1	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

1	2	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	3	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	4	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	1	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	2	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	3	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	4	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	1	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	2	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	3	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	4	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	1	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	2	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	3	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	4	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	1	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	2	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	3	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	4	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	1	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	2	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	3	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	4	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	1	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	2	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	3	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	4	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	1	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	2	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	3	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	4	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	1	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	2	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	3	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	4	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	1	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	2	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	3	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	4	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	1	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	2	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	3	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

11	4	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	1	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	2	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	3	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	4	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	1	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	2	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	3	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	4	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	1	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	2	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	3	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	4	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	1	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	2	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	3	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	4	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	1	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	2	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	3	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	4	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
17	1	1	No	Yes	10.0	Passage	0.0	0	No	0	None	No	No	No
18	1	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
19	1	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
20	1	4	No	Yes	10.0	Passage	0.0	0	No	0	None	No	No	No
21	1	5	No	Yes	10.0	Passage	0.0	0	No	0	None	No	No	No
22	1	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
23	1	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
24	1	8	No	Yes	10.0	Passage	0.0	0	No	0	None	No	No	No
26	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
28	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
30	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

Ped Detector Options (MM)6-3

Phase Ped Detector (NTCIP)

Local Ped Detector	Number
1	1
2	2
3	3
4	4

5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16

Darrow Rd. SR 91, Hudson, Oh. - Darrow Rd & Stoney Hill Dr

**Detectors**

**Detectors Page 2**

Log - Speed Detector Setup (MM)6-4

NTCIP Log      ECPI Log Period:    Length Unit:  
Period: 0      TBAP                      Inch

Speed Detector	Local Detector	One/Two Detector	Vehicle Length	Trap Length	Enable Log
1	0	1	0	0	No
2	0	1	0	0	No
3	0	1	0	0	No
4	0	1	0	0	No
5	0	1	0	0	No
6	0	1	0	0	No
7	0	1	0	0	No
8	0	1	0	0	No
9	0	1	0	0	No
10	0	1	0	0	No
11	0	1	0	0	No
12	0	1	0	0	No
13	0	1	0	0	No
14	0	1	0	0	No
15	0	1	0	0	No
16	0	1	0	0	No

Vehicle Detector Diagnostics (MM)6-5

Plan	Detector	Counts	Act	Pres	Multiplier	Failed Time	Failed Call Delay
1	1	0	0	0	1	255	0
1	2	0	0	0	1	255	0
1	3	0	0	0	1	255	0
1	4	0	0	0	1	255	0
1	5	0	0	0	1	255	0
1	6	0	0	0	1	255	0
1	7	0	0	0	1	255	0
1	8	0	0	0	1	255	0
1	9	0	0	0	1	255	0

1	10	0	0	0	1	255	0
1	11	0	0	0	1	255	0
1	12	0	0	0	1	255	0
1	13	0	0	0	1	255	0
1	14	0	0	0	1	255	0
1	15	0	0	0	1	255	0
1	16	0	0	0	1	255	0

Pedestrian Detector Diagnostics (MM)6-6

Plan	Detector	Counts	Act	Pres	Multiplier
------	----------	--------	-----	------	------------

**Zone #2**

**Darrow Road / Main Street North**



Ring 1		1	2		4	3		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		5	6		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 12																			
Ring 1		2	1		4	3		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		5	6		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 13																			
Ring 1		1	2		3	4		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 14																			
Ring 1		2	1		3	4		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 15																			
Ring 1		1	2		4	3		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.	.
Sequence 16																			
Ring 1		2	1		4	3		.	.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.	.

Phases In Use / Exclusive PED (MM)1-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Phases in Use	X	X	X	X	X	X	X	X								
Exclusive PED																

Phase Compatibility (MM)1-1-2

Phase	Compatible Phase
n/a	Barrier Mode

Phase and Overlap Descriptions

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Overlap	A	B	C	D	E	F	G	H	I	J	L	K	L	M	N	O
Description																

Administration (MM)1-7-1

Enable CU/Cabinet Interlock  
CRC No

Request Download  
Controller Data No

Controller Database CRC 0000

Enable Automatic Backup to Datakey Yes

Backup Prevent (MM)1-1-3

Phases	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Timing /</b>	<b>1</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Backup</b>	<b>2</b>	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>3</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>4</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>5</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>6</b>	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
	<b>7</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>8</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>9</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>10</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>11</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>12</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>13</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>14</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>15</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>16</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Simultaneous Gap (MM)1-1-4

Phases	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	<b>1</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>2</b>	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
	<b>3</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>4</b>	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
	<b>5</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phase	<b>6</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Must	<b>7</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gap	<b>8</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
With	<b>9</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phase	<b>10</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>11</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>12</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>13</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>14</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>15</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>16</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>Disable</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Load Switch Assignments (MMU Channel) (MM)1-3

Phase / Type

Dimming

Power Up

Auto

Flash

Overlap			Red	Yellow	Green	Dark	Auto	Red	Yellow	Dark	Red	Yellow	Together
1	1	V				+	X				X		X
2	2	V				+	X				X		X
3	3	V				+	X				X		
4	4	V				+	X				X		
5	5	V				-	X				X		X
6	6	V				-	X				X		X
7	7	V				-	X				X		
8	8	V				-	X				X		
9	1	O				+	X				X		
10	2	O				-	X				X		X
11	3	O				+	X				X		
12	4	O				-	X				X		X
13	2	P				+	X						
14	4	P				+	X						
15	6	P				-	X						
16	8	P				-	X						

Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

**Configuration Port 1 (SDLC)**

**SDLC Options (MM)1-4-1**

BIU	1	2	3	4	5	6	7	8
Term and Facility Enable								
Detector Rack Enable		X	X					

Enable TS2/MMU Type Cabinet: Yes

Enable MMU Extended Status: No

Enable SDLC Stop Time: Yes

Enable 3 Critical RFE's Lockup: No

**MMU Program (MM)1-4-2**

Channel Can Serve with  
Channel

Channel 1 Channel 2

**Color Check Enable (MM)1-4-3**

Enable Color Check: Yes

MMU Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Green	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Yellow	X	X	X	X	X	X	X	X	X	X	X	X				
Red		X		X		X		X					X	X	X	X

**Secondary To Secondary Addressing (MM)1-4-4**

ID	1	2	3	4	5	6	7	8	MMU
Term and Facility Enable									

ID	1	2	3	4	5	6	7	8	Diag
Detector Rack Enable									

Diagonstics (Test Fixture) Enable: No

Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

## Configuration Communications

### Ethernet Port Configuration (MM)1-5-1 NTCIP Parameters (MM)1-5-5

Controller IP:	10.70.10.51	Backup Time:	0
Subnet Mask:	255.255.255.0	UDP Port:	501
Default Gateway IP:	0.0.0.0	Ethernet Priority:	1
Server IP:	10.70.10.1	Port 2 Priority:	4
		Port 3A Priority:	2
		Port 3B Priority:	3

### Port Configuration (MM)1-5-2 to 1-5-4

Port	2 (C50S)	3A (C21S)	3B (C22S)
Protocol	Terminal	NTCIP	ECPIP
Enable	No	Yes	Yes
Data Rate	9600	9600	1200
Data Parity Stop	8 N 1	8 N 1	8 0 1
Modem Setup String	None	None	None
User String			
Comm Port Address	0	1	1
System Detector 9-1	0	0	0
Telemetry Response Delay	0.0	1.0	1.0
Duplex Half/Full	Half	Full	Full
Flow Control	Yes	No	Yes
AB3418 NTCIP Group Address	0	0	0
AB3418 NTCIP Single Flag Enable	No	Yes	Yes
RTS to CTS Delay	0.0	0.0	3.0
RTS Turn Off Delay	0.0	0.0	2.0
Droupout Time	10	10	300
Early RTS	No	No	No
Telemetry Mode	FSK	FSK	FSK
Rail Road	0	0	0
Rail Road Line	0	0	0
ATCS Group	0	0	0
Wayside Device	0	0	0
ATCS Device	0	0	0
Wayside SubNode	0	0	0
ATCS SubNode	0	0	0

## ECPIP Parameters (MM)1-5-6

Controller Address: 1

Expanded System Detector Address: 0

### Local System Detector

Local System Detector	Number
--------------------------	--------

1	33
---	----

2	34
---	----

3	35
---	----

4	36
---	----

**Configuration Logging/Display**

**Event Logging (MM)1-6-1**

Critical RFE's	Yes	3 Critical RFE's in 24 Hours	Yes
MMU Flash Faults	Yes	Local Flash Faults	Yes
Non-Critical RFE's (Det/Test)	Yes	Detector Errors	Yes
Coordination Errors	Yes	Controller Download	Yes
Preempt	Yes	TSP	Yes
Power On/Off	Yes	Low Battery	Yes
Access	Yes	Data Change	Yes
Online/Offline	Yes		

Alarm Log	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Enable Logging	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

**Display Options (MM)1-7-2**

Key Click Enable:	Yes
Backlight Enable:	Yes
LED Mode:	Auto
Main Status Display Mode:	Basic
Screen Format:	Advanced
Trans Mode Pop-up Disable:	No

**Sign On (MM)8-5**

Sign On Message Line 1: Solutions that Move the World  
 Sign On Message Line 2:





Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

**Controller Overlaps**

Overlap	Type	Vehicle Overlaps (MM)2-2				Modifier	Lag X Phase	Lag 2 Phase	Flash Green
		Lag Green	Yellow	Red	Advance Green				
		Phases							
Overlap	Phase	Included	Protect	Ped Protect	Not Overlap				
A	1	Yes	No	No	No		No	No	0
B	5	Yes	No	No	No		No	No	0
C	3	Yes	No	No	No		No	No	0
D	7	Yes	No	No	No		No	No	0

PPLT FYA

Overlap	Protected Phase	Permissive Phase	Flash Arrow Output	Flash Arrow Channel	FYA Delay	FYA Clearance	Special Function Disable

Guaranteed Minimum Time Data (MM) 2-4

Phase	Phase Time Data					
	Min Green	Walk	Ped Clear	Yellow	Red Clear	Overlap Green
A01	0	0	0	3.0	0.0	0
B02	0	0	7	3.0	0.0	0
C03	0	0	0	3.0	0.0	0
D04	0	0	7	3.0	0.0	0
E05	0	0	0	3.0	0.0	0
F06	0	0	7	3.0	0.0	0
G07	0	0	0	3.0	0.0	0
H08	0	0	7	3.0	0.0	0
I09	0	0	0	3.0	0.0	0
J10	0	0	0	3.0	0.0	0
K11	0	0	0	3.0	0.0	0
L12	0	0	0	3.0	0.0	0
M13	0	0	0	3.0	0.0	0
N14	0	0	0	3.0	0.0	0
O15	0	0	0	3.0	0.0	0
P16	0	0	0	3.0	0.0	0

Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

**Controller Pedestrian Overlaps**

Pedestrian Overlaps (MM) 2-3

Included Phase Ped Overlap

Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

### Controller Start/Fash (MM) 2-5

#### Startup

Phase	Phase Setting
2	G
6	G

#### Overlap

A  
B  
C  
D

Flash > Mon:	Yes
Flash Time:	0
All Red:	0
Power Start Sequence:	1
MUTCD Enabled:	No
MUTCD Yellow to Green:	n/a

#### Automatic Flash

##### Entry Phase

4  
8

##### Exit Phase

2  
6

##### Overlap Exit

A  
B  
C  
D

Flash > Mon:	Yes
Exit Flash Interval:	W
Minimum Auto Flash:	8

Minimum Recall: No

Cycle Through Phase: No





Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

**Coordination Options**

**Coordination Options (MM)3-1**

Manual Pattern	Auto	ECPI Coord	Yes
System Source	SYS	System Format	STD
Splits In	Percent	Offsets In	Percent
Transition	Smooth	Max Select	MAXINH
Dwell/Add Time	0		
Delay Coord Walk to LZ	No	Force Off	Float
Offset Reference	Yellow	Use Ped Time	Yes
Ped Recall	No	Ped Reservice	No
Local Zero Override	No	FO Added Initial Green	No
Re-Sync Count	0	Multisync	No

**Auto Perm Minimum Green (Seconds) (MM)3-4**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Minimum Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Split Demand (MM)3-5**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Demand 1																
Demand 2																

Demand	1	2
Detector	0	0
Call Time (Sec)	0	0
Cycle Count	0	0



**Pattern - 2**

Split Pattern	2	TS2 (Pat-Off)	0-2	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 2)	10	41	14	35	10	41	12	37	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	5	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 3**

Split Pattern	3	TS2 (Pat-Off)	0-3	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 4**

Split Pattern	4	TS2 (Pat-Off)	1-1	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 4)	13	38	10	39	10	41	13	36	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	5	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 5**

Split Pattern	5	TS2 (Pat-Off)	1-2	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 6**

Split Pattern	6	TS2 (Pat-Off)	1-3	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 6)	16	35	13	36	10	41	10	39	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	5	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 7**

Split Pattern	7	TS2 (Pat-Off)	2-1	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		





Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

**Time Base Clock/Calendar**

Clock/Calendar Options (MM)5-1

Enable Action Plan: 0  
Sync Reference Time: 12:00 AM  
Sync Reference: Reference Time  
Day Light Savings: USDLS  
Time Reset Input Set Time: 3:30:00  
Standard Time From GMT: -5



**Action Plan - 2**

Pattern	2	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

LP 1-15

LP 16-30

LP 31-45

LP 46-60

LP 61-75

LP 76-90

LP 91-100

**Action Plan - 3**

Pattern	3	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

LP 1-15

LP 16-30

LP 31-45

LP 46-60

LP 61-75

LP 76-90

LP 91-100

**Action Plan - 4**

Pattern	4	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall  
Walk 2  
Veh Ext 2  
Veh Recall  
Max Recall  
Max 2  
Max 3  
CS Inhibit  
Omit  
Special  
Function  
Auxilliary  
Function  
LP 1-15  
LP 16-30  
LP 31-45  
LP 46-60  
LP 61-75  
LP 76-90  
LP 91-100

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

**Action Plan - 5**

Pattern	5	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

LP 1-15

LP 16-30

LP 31-45

LP 46-60

LP 61-75

LP 76-90

LP 91-100

**Action Plan - 6**

Pattern	6	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

LP 1-15

LP 16-30

LP 31-45

LP 46-60

LP 61-75

LP 76-90

LP 91-100

**Action Plan - 7**

Pattern	7	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

LP 1-15

LP 16-30

LP 31-45

LP 46-60

LP 61-75

LP 76-90

LP 91-100

**Action Plan - 9**

Pattern	9	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

LP 1-15

LP 16-30

LP 31-45

LP 46-60

LP 61-75

LP 76-90

LP 91-100

**Action Plan - 99**

Pattern	255 - FLSH	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	Yes	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

LP 1-15

LP 16-30

LP 31-45

LP 46-60

LP 61-75

LP 76-90

LP 91-100

**Action Plan - 100**

Pattern	254 - FREE	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

1   2   3   4   5   6   7   8   9   10   11   12   13   14   15

LP 1-15

LP 16-30

LP 31-45

LP 46-60

LP 61-75

LP 76-90

LP 91-100

Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

**Time Base Day Plan/Schedule**  
**Day Plan (MM)5-3**

**Day Plan - 1**

Event	Action Plan	Start Time
1	100	12:00 AM
2	1	6:00 AM
3	100	10:00 AM
4	2	11:00 AM
5	100	1:00 PM
6	3	3:00 PM
7	4	4:00 PM
8	3	6:00 PM
9	100	7:30 PM

**Day Plan - 2**

Event	Action Plan	Start Time
1	100	12:00 AM
2	1	6:00 AM
3	100	10:00 AM
4	2	11:00 AM
5	100	1:00 PM
6	3	3:00 PM
7	100	7:00 PM



Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

**Detectors**

**Detectors Page 1**

Vehicle Detectors Setup (MM)6-1

Vehicle Plan	Detector Number	Called	Type
1	19	8	N
1	21	2	N
1	23	4	N

Vehicle Detector Setup (MM)6-2 continued

Detector Number	Type	TS2 Detector	Detector Description
1	N-NTCIP	No	
2	N-NTCIP	No	
3	N-NTCIP	No	
4	N-NTCIP	No	
5	N-NTCIP	No	
6	N-NTCIP	No	
7	N-NTCIP	No	
8	N-NTCIP	No	
9	N-NTCIP	No	
10	N-NTCIP	No	
11	N-NTCIP	No	
12	N-NTCIP	No	
13	N-NTCIP	No	
14	N-NTCIP	No	
15	N-NTCIP	No	
16	N-NTCIP	No	
17	N-NTCIP	Yes	
18	N-NTCIP	Yes	
19	N-NTCIP	Yes	
20	N-NTCIP	Yes	
21	N-NTCIP	Yes	
22	N-NTCIP	Yes	
23	N-NTCIP	Yes	
24	N-NTCIP	Yes	
25	N-NTCIP	Yes	
26	N-NTCIP	Yes	

27	N-NTCIP	No
28	N-NTCIP	Yes
29	N-NTCIP	No
30	N-NTCIP	Yes
31	N-NTCIP	No
32	N-NTCIP	Yes
33	N-NTCIP	Yes
34	N-NTCIP	Yes
35	N-NTCIP	Yes
36	N-NTCIP	Yes
37	N-NTCIP	Yes
38	N-NTCIP	Yes
39	N-NTCIP	Yes
40	N-NTCIP	Yes
41	N-NTCIP	Yes
42	N-NTCIP	Yes
43	N-NTCIP	Yes
44	N-NTCIP	Yes
45	N-NTCIP	Yes
46	N-NTCIP	Yes
47	N-NTCIP	Yes
48	N-NTCIP	Yes
49	N-NTCIP	Yes
50	N-NTCIP	Yes
51	N-NTCIP	Yes
52	N-NTCIP	Yes
53	N-NTCIP	Yes
54	N-NTCIP	Yes
55	N-NTCIP	Yes
56	N-NTCIP	Yes
57	N-NTCIP	Yes
58	N-NTCIP	Yes
59	N-NTCIP	Yes
60	N-NTCIP	Yes
61	N-NTCIP	Yes
62	N-NTCIP	Yes
63	N-NTCIP	Yes
64	N-NTCIP	Yes

Vehicle Detector Setup (MM)6-2 continued

Det Num	Veh Det	Phase	ECPI Call Log	Call Option	Delay Time	Ext Option	Extend Time /	Queue Lim /	Use Added	Cross Switch	Lock In	NTCIP Vol.	NTCIP Occ.	Pmt Queue
------------	------------	-------	------------------	----------------	---------------	---------------	------------------	----------------	--------------	-----------------	------------	---------------	---------------	--------------

Plan					Passage Time	Discon. Time	Initial	Phase	Delay					
1	1	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	2	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	3	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	4	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	1	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	2	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	3	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	4	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	1	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	2	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	3	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	4	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	1	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	2	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	3	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	4	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	1	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	2	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	3	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	4	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	1	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	2	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	3	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	4	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	1	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	2	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	3	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	4	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	1	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	2	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	3	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	4	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	2	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	3	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	4	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	2	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	3	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	4	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

11	2	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	3	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	4	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	2	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	3	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	4	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	2	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	3	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	4	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	2	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	3	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	4	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	2	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	3	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	4	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	2	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	3	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	4	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
17	1	1	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
18	1	2	No	Yes	10.0	Passage	0.0	0	No	0	None	No	No	No
19	1	3	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
20	1	4	No	Yes	10.0	Passage	0.0	0	No	0	None	No	No	No
21	1	5	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
22	1	6	No	Yes	10.0	Passage	0.0	0	No	0	None	No	No	No
23	1	7	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
23	2	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
23	3	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
23	4	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
24	1	8	No	Yes	10.0	Passage	0.0	0	No	0	None	No	No	No
25	1	0	No	Yes	2.0	Passage	0.0	0	No	0	None	No	No	No
26	1	2	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
27	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
28	1	4	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
29	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
30	1	6	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
31	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
32	1	8	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No

33	1	16	Yes	No	0.0	None	0.0	0	No	0	None	Yes	Yes	No
34	1	16	Yes	No	0.0	None	0.0	0	No	0	None	Yes	Yes	No
35	1	16	Yes	No	0.0	None	0.0	0	No	0	None	Yes	Yes	No
36	1	16	Yes	No	0.0	None	0.0	0	No	0	None	Yes	Yes	No

Ped Detector Options (MM)6-3

Phase Ped Detector (NTCIP)

Local Ped Detector	Number
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16

Darrow Rd. SR 91 / SR 303 - SR 91 & SR 303 [Master]

**Detectors**

**Detectors Page 2**

Log - Speed Detector Setup (MM)6-4

NTCIP Log      ECPI Log Period:    Length Unit:  
 Period: 0      TBAP                      Inch

Speed Detector	Local Detector	One/Two Detector	Vehicle Length	Trap Length	Enable Log
1	0	1	0	0	No
2	0	1	0	0	No
3	0	1	0	0	No
4	0	1	0	0	No
5	0	1	0	0	No
6	0	1	0	0	No
7	0	1	0	0	No
8	0	1	0	0	No
9	0	1	0	0	No
10	0	1	0	0	No
11	0	1	0	0	No
12	0	1	0	0	No
13	0	1	0	0	No
14	0	1	0	0	No
15	0	1	0	0	No
16	0	1	0	0	No

Vehicle Detector Diagnostics (MM)6-5

Plan	Detector	Counts	Act	Pres	Multiplier	Failed Time	Failed Call Delay
1	1	0	0	0	1	255	0
1	2	0	0	0	1	255	0
1	3	0	0	0	1	255	0
1	4	0	0	0	1	255	0
1	5	0	0	0	1	255	0
1	6	0	0	0	1	255	0
1	7	0	0	0	1	255	0
1	8	0	0	0	1	255	0
1	9	0	0	0	1	255	0

1	10	0	0	0	1	255	0
1	11	0	0	0	1	255	0
1	12	0	0	0	1	255	0
1	13	0	0	0	1	255	0
1	14	0	0	0	1	255	0
1	15	0	0	0	1	255	0
1	16	0	0	0	1	255	0
1	17	0	0	0	1	255	0
1	18	0	0	0	1	255	0
1	19	0	0	0	1	255	0
1	20	0	0	0	1	255	0
1	21	0	0	0	1	255	0
1	22	0	0	0	1	255	0
1	23	0	0	0	1	255	0
1	24	0	0	0	1	255	0
1	25	0	0	0	1	255	0
1	26	0	0	0	1	255	0
1	27	0	0	0	1	255	0
1	28	0	0	0	1	255	0
1	29	0	0	0	1	255	0
1	30	0	0	0	1	255	0
1	31	0	0	0	1	255	0
1	32	0	0	0	1	255	0

Pedestrian Detector Diagnostics (MM)6-6

Plan	Detector	Counts	Act	Pres	Multiplier
------	----------	--------	-----	------	------------

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Configuration Phase Sequence**

**Controller Sequence (MM)1-1-1**

Hardware Alternate Sequence Enable: No

**Phase Ring Sequence.....(Note: Sequences identical to the prior one are not printed)**

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16  
 B B B B

Sequence 1

Ring 1 | 1 2 | 4 | 8 | . . . . . . . . . . . . . . . .  
 Ring 2 | 5 6 | . | . | . . . . . . . . . . . . . . . .

**Phases In Use / Exclusive PED (MM)1-2**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Phases in Use		X		X		X		X								
Exclusive PED																

**Phase Compatibility (MM)1-1-2**

Phase	Compatible Phase
n/a	Barrier Mode

**Phase and Overlap Descriptions**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Overlap	A	B	C	D	E	F	G	H	I	J	L	K	L	M	N	O
Description																

**Administration (MM)1-7-1**

Enable CU/Cabinet Interlock No  
 CRC

Request Download No  
 Controller Data

Controller Database CRC 0000

Enable Automatic Backup to Datakey Yes

Backup Prevent (MM)1-1-3

Phases	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Timing /</b>	<b>1</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Backup</b>	<b>2</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>3</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>4</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>5</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>6</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>7</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>8</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>9</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>10</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>11</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>12</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>13</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>14</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>15</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>16</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Simultaneous Gap (MM)1-1-4

Phases	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	<b>1</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>2</b>	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
	<b>3</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>4</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>5</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phase	<b>6</b>	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
Must	<b>7</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gap	<b>8</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
With	<b>9</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phase	<b>10</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>11</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>12</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>13</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>14</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>15</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>16</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>Disable</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Load Switch Assignments (MMU Channel) (MM)1-3

Phase / Type

Dimming

Power Up

Auto

Flash

Overlap			Red	Yellow	Green	Dark	Auto	Red	Yellow	Dark	Red	Yellow	Together
1	1	V				+	X				X		X
2	2	V				+	X				X		X
3	3	V				+	X				X		
4	4	V				+	X				X		
5	5	V				-	X				X		X
6	6	V				-	X				X		X
7	7	V				-	X				X		
8	8	V				-	X				X		
9	2	P				+	X						
10	4	P				+	X						
11	6	P				-	X						
12	8	P				-	X						
13	1	O				+	X				X		
14	2	O				-	X				X		X
15	3	O				+	X				X		
16	4	O				-	X				X		X

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Configuration Port 1 (SDLC)**

**SDLC Options (MM)1-4-1**

BIU	1	2	3	4	5	6	7	8
Term and Facility Enable								
Detector Rack Enable		X						

Enable TS2/MMU Type Cabinet: No

Enable MMU Extended Status: No

Enable SDLC Stop Time: No

Enable 3 Critical RFE's Lockup: No

**MMU Program (MM)1-4-2**

Channel Can Serve with  
Channel

Channel 1 Channel 2

**Color Check Enable (MM)1-4-3**

Enable Color Check: No

MMU Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Green	X	X	X	X	X	X	X	X	X	X	X	X				
Yellow	X	X	X	X	X	X	X	X								
Red		X		X		X		X	X	X	X	X				

**Secondary To Secondary Addressing (MM)1-4-4**

ID	1	2	3	4	5	6	7	8	MMU
Term and Facility Enable									

ID	1	2	3	4	5	6	7	8	Diag
Detector Rack Enable									

Diagonstics (Test Fixture) Enable: No

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

## Configuration Communications

### Ethernet Port Configuration (MM)1-5-1 NTCIP Parameters (MM)1-5-5

Controller IP:	10.70.10.51	Backup Time:	0
Subnet Mask:	255.255.255.0	UDP Port:	501
Default Gateway IP:	0.0.0.0	Ethernet Priority:	1
Server IP:	10.70.10.1	Port 2 Priority:	4
		Port 3A Priority:	2
		Port 3B Priority:	3

### Port Configuration (MM)1-5-2 to 1-5-4

Port	2 (C50S)	3A (C21S)	3B (C22S)
Protocol	ECPIP	NTCIP	ECPIP
Enable	Yes	Yes	No
Data Rate	9600	9600	1200
Data Parity Stop	8 N 1	8 N 1	8 0 1
Modem Setup String	None	None	None
User String			
Comm Port Address	2	1	2
System Detector 9-1	0	0	0
Telemetry Response Delay	0.0	1.0	0.0
Duplex Half/Full	Full	Full	Full
Flow Control	No	No	Yes
AB3418 NTCIP Group Address	0	0	0
AB3418 NTCIP Single Flag Enable	Yes	Yes	Yes
RTS to CTS Delay	0.0	0.0	3.0
RTS Turn Off Delay	0.0	0.0	2.0
Droupout Time	10	10	300
Early RTS	No	No	No
Telemetry Mode	FSK	FSK	FSK
Rail Road	0	0	0
Rail Road Line	0	0	0
ATCS Group	0	0	0
Wayside Device	0	0	0
ATCS Device	0	0	0
Wayside SubNode	0	0	0
ATCS SubNode	0	0	0

## ECPIP Parameters (MM)1-5-6

Controller Address: 2

Expanded System Detector Address: 0

### Local System Detector

Local System Detector	Number
1	31
2	32

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

### Configuration Logging/Display

#### Event Logging (MM)1-6-1

Critical RFE's	Yes	3 Critical RFE's in 24 Hours	Yes
MMU Flash Faults	Yes	Local Flash Faults	Yes
Non-Critical RFE's (Det/Test)	Yes	Detector Errors	Yes
Coordination Errors	Yes	Controller Download	Yes
Preempt	Yes	TSP	Yes
Power On/Off	Yes	Low Battery	Yes
Access	Yes	Data Change	Yes
Online/Offline	Yes		

Alarm Log	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Enable Logging	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

#### Display Options (MM)1-7-2

Key Click Enable:	Yes
Backlight Enable:	Yes
LED Mode:	Auto
Main Status Display Mode:	Basic
Screen Format:	Advanced
Trans Mode Pop-up Disable:	No

#### Sign On (MM)8-5

Sign On Message Line 1: Solutions that Move the World

Sign On Message Line 2:

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Logic Processor Page 1**

Statement Control (MM)1-8-1

LP Statement Control

1 E

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Logic Processor Page 2**

**Logic Statements (MM)1-8-2**

Statement Number: 1

IF:

	Assignment	#	State
IF	ACTION PLAN NUM		IS 11
OR	ACTION PLAN NUM		IS 2
OR	ACTION PLAN NUM		IS 3
OR	ACTION PLAN NUM		IS 5
OR	ACTION PLAN NUM		IS 7
OR	ACTION PLAN NUM		IS 4

THEN:

Assignment	#	State
SET PHASE GREEN	7	ON

ELSE:

Assignment	#	State
------------	---	-------





Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Controller Overlaps**

Overlap	Type	Vehicle Overlaps (MM)2-2			
		Lag Green	Yellow	Red	Advance Green

Overlap	Phase	Included	Protect	Phases		Modifier	Lag X Phase	Lag 2 Phase	Flash Green
				Ped Protect	Not Overlap				

PPLT FYA

Overlap	Protected Phase	Permissive Phase	Flash Arrow Output	Flash Arrow Channel	FYA Delay	FYA Clearance	Special Function Disable
---------	-----------------	------------------	--------------------	---------------------	-----------	---------------	--------------------------

Guaranteed Minimum Time Data (MM) 2-4

Phase	Phase Time Data					
	Min Green	Walk	Ped Clear	Yellow	Red Clear	Overlap Green
A01	0	0	0	3.0	0.0	0
B02	0	0	7	3.0	0.0	0
C03	0	0	0	3.0	0.0	0
D04	0	0	7	3.0	0.0	0
E05	0	0	0	3.0	0.0	0
F06	0	0	7	3.0	0.0	0
G07	0	0	0	3.0	0.0	0
H08	0	0	7	3.0	0.0	0
I09	0	0	0	3.0	0.0	0
J10	0	0	0	3.0	0.0	0
K11	0	0	0	3.0	0.0	0
L12	0	0	0	3.0	0.0	0
M13	0	0	0	3.0	0.0	0
N14	0	0	0	3.0	0.0	0
O15	0	0	0	3.0	0.0	0
P16	0	0	0	3.0	0.0	0

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Controller Pedestrian Overlaps**

Pedestrian Overlaps (MM) 2-3

Included Phase Ped Overlap

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Controller Start/Fash (MM) 2-5**

**Startup**

Phase	Phase Setting
2	G
6	G

Overlap

A  
B  
C  
D

Flash > Mon:	Yes
Flash Time:	0
All Red:	0
Power Start Sequence:	1
MUTCD Enabled:	No
MUTCD Yellow to Green:	n/a

**Automatic Flash**

Entry Phase

8

Exit Phase

2  
6

Overlap Exit

A  
B  
C  
D

Flash > Mon:	Yes
Exit Flash Interval:	W
Minimum Auto Flash:	0
Minimumin Recall:	No

Cycle Through Phase: No





Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Coordination Options**

**Coordination Options (MM)3-1**

Manual Pattern	Auto	ECPI Coord	Yes
System Source	SYS	System Format	STD
Splits In	Percent	Offsets In	Percent
Transition	Smooth	Max Select	MAXINH
Dwell/Add Time	0		
Delay Coord Walk to LZ	No	Force Off	Float
Offset Reference	Yellow	Use Ped Time	Yes
Ped Recall	No	Ped Reservice	No
Local Zero Override	No	FO Added Initial Green	No
Re-Sync Count	0	Multisync	No

**Auto Perm Minimum Green (Seconds) (MM)3-4**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Minimum Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Split Demand (MM)3-5**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Demand 1																
Demand 2																

Demand	1	2
Detector	0	0
Call Time (Sec)	0	0
Cycle Count	0	0



**Pattern - 2**

Split Pattern	2	TS2 (Pat-Off)	0-2	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	8%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 2)	0	55	0	21	0	55	0	24	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	55%	0%	0%

**Misc. Data**

Veh. Permissive 1	0	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 3**

Split Pattern	3	TS2 (Pat-Off)	0-3	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	4%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 4**

Split Pattern	4	TS2 (Pat-Off)	1-1	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	52%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 4)	0	52	0	21	0	52	0	27	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	52%	0%	0%

**Misc. Data**

Veh. Permissive 1	0	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 5**

Split Pattern	5	TS2 (Pat-Off)	1-2	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	2%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 6**

Split Pattern	6	TS2 (Pat-Off)	1-3	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	1%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 6)	0	57	0	20	0	57	0	23	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	57%	0%	0%

**Misc. Data**

Veh. Permissive 1	0	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 7**

Split Pattern	7	TS2 (Pat-Off)	2-1	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	6%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 8**

Split Pattern	8	TS2 (Pat-Off)	2-2	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	0%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 8)	0	54	0	20	0	54	0	26	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	54%	0%	0%

**Misc. Data**

Veh. Permissive 1	0	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 9**

Split Pattern	9	TS2 (Pat-Off)	2-3	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	20%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Time Base Clock/Calendar**

Clock/Calendar Options (MM)5-1

Enable Action Plan: 0  
Sync Reference Time: 12:00 AM  
Sync Reference: Reference Time  
Day Light Savings: USDLS  
Time Reset Input Set Time: 3:30:00  
Standard Time From GMT: -5

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Time Base Action Plan  
Action Plan (MM)5-2**

**Action Plan - 1**

Pattern	1	Override System	No													
Timing Plan	0	Sequence	0													
Veh Det Plan	0	Detector Log	15													
Flash	No	Red Rest	No													
Veh Det Diag Plan	0	Ped Det Diag Plan	0													
Diming Enable	No	Veh Priority Return	No													
Ped Priority Return	No	Queue Delay	No													
Preempt Cond Delay	No															
Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ped Recall																
Walk 2																
Veh Ext 2																
Veh Recall																
Max Recall																
Max 2																
Max 3																
CS Inhibit																
Omit																
Special Function																
Auxilliary Function																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 91-100	E	E	E	E	E	E	E	E	E	E						

**Action Plan - 2**

Pattern	2	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
FunctionAuxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 3**

Pattern	3	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 4**

Pattern	4	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
FunctionAuxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 5**

Pattern	5	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 6**

Pattern	6	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 7**

Pattern	7	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 11**

Pattern	1	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 12**

Pattern	2	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 13**

Pattern	3	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall  
Walk 2  
Veh Ext 2  
Veh Recall  
Max Recall  
Max 2  
Max 3  
CS Inhibit  
Omit  
Special  
Function  
Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 14**

Pattern	4	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 15**

Pattern	5	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 16**

Pattern	6	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 17**

Pattern	7	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 99**

Pattern	Auto	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	Yes	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9  10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 100**

Pattern	254 - FREE	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Time Base Day Plan/Schedule**  
**Day Plan (MM)5-3**

**Day Plan - 1**

Event	Action Plan	Start Time
1	100	12:00 AM
2	1	6:00 AM
3	12	6:45 AM
4	2	7:00 AM
5	5	7:30 AM
6	3	8:15 AM
7	7	4:00 PM
8	4	6:45 PM
9	14	7:30 PM
10	1	9:00 PM
11	100	9:30 PM

**Day Plan - 2**

Event	Action Plan	Start Time
1	100	12:00 AM
2	1	8:00 AM
3	13	9:00 AM
4	14	12:00 PM
5	13	1:30 PM

6	1	7:30 PM
7	100	9:00 PM

**Day Plan - 3**

Event	Action Plan	Start Time
1	100	12:00 AM
2	1	9:00 AM
3	14	10:00 AM
4	1	7:00 PM
5	100	8:00 PM

**Schedule (MM)5-4**

**Schedule Number - 1**

Day Plan Number: 1

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	X	X	X	X	X	X	X	X	X	X	X	X

Day of Week	Sun	Mon	Tue	Wed	Thur	Fri	Sat
		X	X	X	X	X	

Day of Month	1	2	3	4	5	6	7	8	9	10	11
	X	X	X	X	X	X	X	X	X	X	X
	12	13	14	15	16	17	18	19	20	21	22
	X	X	X	X	X	X	X	X	X	X	X
	23	24	25	26	27	28	29	30	31		
	X	X	X	X	X	X	X	X	X		

**Schedule Number - 2**

Day Plan Number: 2

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	X	X	X	X	X	X	X	X	X	X	X	X

Day of Week	Sun	Mon	Tue	Wed	Thur	Fri	Sat
							X

Day of Month	1	2	3	4	5	6	7	8	9	10	11
	X	X	X	X	X	X	X	X	X	X	X
	12	13	14	15	16	17	18	19	20	21	22
	X	X	X	X	X	X	X	X	X	X	X
	23	24	25	26	27	28	29	30	31		
	X	X	X	X	X	X	X	X	X		

**Schedule Number - 3**

Day Plan Number: 3



Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Detectors**

**Detectors Page 1**

Vehicle Plan	Detector Number	Vehicle Detectors Setup (MM)6-1 Called	Type
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Vehicle Detector Setup (MM)6-2 continued

Detector Number	Type	TS2 Detector	Detector Description
1	N-NTCIP	No	
2	N-NTCIP	No	
3	N-NTCIP	No	
4	N-NTCIP	No	
5	N-NTCIP	No	
6	N-NTCIP	No	
7	N-NTCIP	No	
8	N-NTCIP	No	
9	N-NTCIP	No	
10	N-NTCIP	No	
11	N-NTCIP	No	
12	N-NTCIP	No	
13	N-NTCIP	No	
14	N-NTCIP	No	
15	N-NTCIP	No	
16	N-NTCIP	No	
17	N-NTCIP	No	
18	N-NTCIP	No	
19	N-NTCIP	No	
20	N-NTCIP	No	
21	N-NTCIP	No	
22	N-NTCIP	No	
23	N-NTCIP	No	
24	N-NTCIP	No	
25	N-NTCIP	No	
26	N-NTCIP	No	
27	N-NTCIP	No	
28	N-NTCIP	No	
29	N-NTCIP	No	

30	N-NTCIP	No
31	N-NTCIP	No
32	N-NTCIP	No
33	N-NTCIP	Yes
34	N-NTCIP	Yes
35	N-NTCIP	Yes
36	N-NTCIP	Yes
37	N-NTCIP	Yes
38	N-NTCIP	Yes
39	N-NTCIP	Yes
40	N-NTCIP	Yes
41	N-NTCIP	Yes
42	N-NTCIP	Yes
43	N-NTCIP	Yes
44	N-NTCIP	Yes
45	N-NTCIP	Yes
46	N-NTCIP	Yes
47	N-NTCIP	Yes
48	N-NTCIP	Yes
49	N-NTCIP	Yes
50	N-NTCIP	Yes
51	N-NTCIP	Yes
52	N-NTCIP	Yes
53	N-NTCIP	Yes
54	N-NTCIP	Yes
55	N-NTCIP	Yes
56	N-NTCIP	Yes
57	N-NTCIP	Yes
58	N-NTCIP	Yes
59	N-NTCIP	Yes
60	N-NTCIP	Yes
61	N-NTCIP	Yes
62	N-NTCIP	Yes
63	N-NTCIP	Yes
64	N-NTCIP	Yes

Vehicle Detector Setup (MM)6-2 continued

Det Num	Veh Det Plan	Phase	ECPI Log	Call Option	Delay Time	Ext Option	Extend Time / Passage Time	Queue Lim / Discon. Time	Use Added Initial	Cross Switch Phase	Lock In	NTCIP Vol.	NTCIP Occ.	Pmt Queue Delay
1	1	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

1	2	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	3	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	4	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	1	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	2	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	3	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	4	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	1	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	2	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	3	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	4	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	1	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	2	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	3	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	4	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	1	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	2	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	3	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	4	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	1	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	2	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	3	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	4	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	1	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	2	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	3	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	4	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	1	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	2	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	3	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	4	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	2	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	3	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	4	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	2	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	3	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	4	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	2	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	3	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

11	4	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	2	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	3	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	4	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	2	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	3	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	4	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	2	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	3	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	4	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	2	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	3	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	4	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	2	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	3	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	4	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
17	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
18	1	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
19	1	8	No	Yes	0.0	Passage	0.0	0	No	0	Red	No	No	No
20	1	4	No	Yes	0.0	Passage	0.0	0	No	0	Red	No	No	No
21	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
22	1	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
23	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
24	1	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
25	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
26	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
27	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
28	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
29	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
30	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
31	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	Yes	Yes	No
32	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	Yes	Yes	No

Ped Detector Options (MM)6-3

Phase Ped Detector (NTCIP)

Local Ped

Number

Detector

1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16

Darrow Rd. SR 91 / SR 303 - SR 91 & Aurora Road

**Detectors**

**Detectors Page 2**

Log - Speed Detector Setup (MM)6-4

NTCIP Log      ECPI Log Period:    Length Unit:  
 Period: 0      TBAP                      Inch

Speed Detector	Local Detector	One/Two Detector	Vehicle Length	Trap Length	Enable Log
1	0	1	0	0	No
2	0	1	0	0	No
3	0	1	0	0	No
4	0	1	0	0	No
5	0	1	0	0	No
6	0	1	0	0	No
7	0	1	0	0	No
8	0	1	0	0	No
9	0	1	0	0	No
10	0	1	0	0	No
11	0	1	0	0	No
12	0	1	0	0	No
13	0	1	0	0	No
14	0	1	0	0	No
15	0	1	0	0	No
16	0	1	0	0	No

Vehicle Detector Diagnostics (MM)6-5

Plan	Detector	Counts	Act	Pres	Multiplier	Failed Time	Failed Call Delay
1	1	0	0	0	1	255	0
1	2	0	0	0	1	255	0
1	3	0	0	0	1	255	0
1	4	0	0	0	1	255	0
1	5	0	0	0	1	255	0
1	6	0	0	0	1	255	0
1	7	0	0	0	1	255	0
1	8	0	0	0	1	255	0
1	9	0	0	0	1	255	0

1	10	0	0	0	1	255	0
1	11	0	0	0	1	255	0
1	12	0	0	0	1	255	0
1	13	0	0	0	1	255	0
1	14	0	0	0	1	255	0
1	15	0	0	0	1	255	0
1	16	0	0	0	1	255	0

Pedestrian Detector Diagnostics (MM)6-6

Plan	Detector	Counts	Act	Pres	Multiplier
------	----------	--------	-----	------	------------

Configuration

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	Controller Sequence Priority										
	1	2	3	4	5	6	7	8	9	10	11
Ring 1 Phases . .	1	2	3	4	9	10	0	0	0	0	0
Ring 2 Phases . .	5	6	7	8	11	12	0	0	0	0	0

	Phase										
	1	2	3	4	5	6	7	8	9	10	11
In Use. . . . .	X	X	X	X	X	X	X	X	.	.	.
Exclusive Ped . . .	.	.	.	.	.	.	.	.	.	.	.
Direction . . . . .											

	Overlap			
	A	B	C	D
Direction . . . . .				

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch Channel (MMU)	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	3	.
4 . . . . .	4	.
5 . . . . .	5	.
6 . . . . .	6	.
7 . . . . .	7	.
8 . . . . .	8	.
9 . . . . .	A	.
10 . . . . .	0	.
11 . . . . .	0	.
12 . . . . .	0	.
13 . . . . .	2	X
14 . . . . .	4	X
15 . . . . .	6	X
16 . . . . .	8	X

Configuration Continued

-----  
Enable BIU: 1 2 3 4 5 6 7 8  
Terminal/Facilities. . . . . . . . . . .  
Detector Rack. . . . . . . . . . . X . . . . .

Type 2 Runs as Type 1. . . . .  
MMU Disable. . . . . . . . . . .  
Diagnostic Enable. . . . . . . . . . .  
Peer-Peer Comm Enable. . . . . . . . . . .

Peer To Peer Addresses . . . . . 1 2 3 4 5 6 7 8 9  
255 255 255 255 255 255 255 255 255

Port 2:

Port 2 Protocol . . . . . Terminal  
Port 2 Enable . . . . . YES  
AB3418 Address. . . . . 0  
AB3418 Group Address. . . . . 0  
AB3418 Response Delay . . . . . 0  
AB3418 Single Flag Enable . . . . . NO  
AB3418 Drop-Out Time. . . . . 0  
AB3418 TOD SF Select. . . . . 0  
Data Rate . . . . . 1200 bps  
Data, Parity, Stop. . . . . 8, 0, 1

Port 3:

Port 3 Protocol . . . . . Telemetry  
Port 3 Enable . . . . . YES  
Telemetry Address . . . . . 3  
System Detector 9-16 Address. . . . . 0  
Telemetry Response Delay. . . . . 8000  
AB3418 Address. . . . . 0  
AB3418 Group Address. . . . . 0  
AB3418 Response Delay . . . . . 0  
AB3418 Single Flag Enable . . . . . NO  
AB3418 Drop-Out Time. . . . . 0  
AB3418 TOD SF Select. . . . . 0  
Duplex. . . . . Full  
Data Rate . . . . . 1200 bps  
Data, Parity, Stop. . . . . 8, 0, 1

Configuration Continued

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Event Enabling	Alarm Enabling
Critical RFE'S (MMU/TF) . . . . . X	ALARM 1 . . . . .
Non-Critical RFE'S (DET/TEST) . . . X	ALARM 2 . . . . .
Detector Errors . . . . . X	ALARM 3 . . . . .
Coordination Errors . . . . . X	ALARM 4 . . . . .
MMU Flash Faults. . . . . X	ALARM 5 . . . . .
Local Flash Faults. . . . . X	ALARM 6 . . . . .
Preempt . . . . . X	ALARM 7 . . . . .
Power On/Off. . . . . X	ALARM 8 . . . . .
Low Battery . . . . . X	ALARM 9 . . . . .
	ALARM 10. . . . .
	ALARM 11. . . . .
	ALARM 12. . . . .
	ALARM 13. . . . .
	ALARM 14. . . . .
	ALARM 15. . . . .
	ALARM 16. . . . .

Supervisor Access Code . . . \*\*\*\*  
 Data Change Access Code . . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:		
Software Assy.	Part No.	Version
Boot	27831	2.83
Program	45561	8.0
Application		. 3
Help	27891	6.43
Configuration	27918	C000





Ped Carryover

---

Ped Start Phase	Carry Over Phase
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0



Overlap Data

---

Overlap A	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard . . . . .		.	.	.	.	X	.	.	.	.	.	.	.
Protected . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Permitted . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Spare . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer . . . . .					0.0								
					Green		Yellow		Red				
Lag/Lead Timers . . . . .					0.0		0.0		0.0				

Overlap B	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Protected . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Permitted . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Spare . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer . . . . .					0.0								
					Green		Yellow		Red				
Lag/Lead Timers . . . . .					0.0		0.0		0.0				

Overlap C	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Protected . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Permitted . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Spare . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer . . . . .					0.0								
					Green		Yellow		Red				
Lag/Lead Timers . . . . .					0.0		0.0		0.0				

Overlap D	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Protected . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Permitted . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Spare . . . . .		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer . . . . .					0.0								
					Green		Yellow		Red				
Lag/Lead Timers . . . . .					0.0		0.0		0.0				

Power Start, Remote Flash

---

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
External Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
Into Remote Flash. . . . .	.	.	.	X	.	.	.	X	.	.	.	.				
Exit Remote Flash. . . . .	.	X	.	.	.	X	.	.	.	.	.	.	Overlap			
Remote Flash Yellow. . . . .	.	.	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	X	.	X

Initialization Interval:

Power Start . . . . . Green  
External Start. . . . . Green

Power Start All Red Time. . . . . 0  
Power Start Flash Time. . . . . 0

Remote Flash Options:

Out of Flash Yellow . . . . . NO  
Out of Flash All Red. . . . . NO  
Minimum Recall. . . . . NO  
Alternate Flash . . . . . NO  
Flash Thru Load Switches. . . . . NO  
Cycle Through Phases. . . . . NO

Option Data

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	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	X	.	.	.	X	.	.	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Dual Entry. . . . .	.	X	.	X	.	X	.	X	.	X	.	X
Conditional Service . . . . .	X	.	X	.	X	.	X	.	X	.	X	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry. . . . .	ON	Backup Protection Group 1 . . . . .
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .
Ped Clearance Protection. . . . .	OFF	Backup Protection Group 3 . . . . .
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1. . . . .
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2. . . . .
Lock Detectors in Red Only. . . . .	OFF	Simultaneous Gap Group 3. . . . .

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

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Det.	Locking	Log	Timers		Don't Reset	Type
	Memory	Enable	Extend	Delay	Extend	
1	NO	NO	0.0	0	.	0 - Normal
2	NO	NO	0.0	0	.	0 - Normal
3	NO	NO	0.0	0	.	0 - Normal
4	NO	NO	0.0	0	.	0 - Normal
5	NO	NO	0.0	0	.	0 - Normal
6	NO	NO	0.0	0	.	0 - Normal
7	NO	YES	0.0	0	.	0 - Normal
8	NO	YES	0.0	0	.	0 - Normal
9	NO	NO	0.0	0	.	0 - Normal
10	NO	NO	0.0	0	.	0 - Normal
11	NO	NO	0.0	0	.	0 - Normal
12	NO	NO	0.0	0	.	0 - Normal
13	NO	NO	0.0	0	.	0 - Normal
14	NO	NO	0.0	0	.	0 - Normal
15	NO	NO	0.0	0	.	0 - Normal
16	NO	NO	0.0	0	.	0 - Normal
17	NO	YES	0.0	0	.	0 - Normal
18	NO	YES	0.0	0	.	0 - Normal
19	NO	YES	0.0	0	.	0 - Normal
20	NO	YES	0.0	1	.	1 - Extend/Delay
21	NO	YES	0.0	0	.	0 - Normal
22	NO	YES	0.0	0	.	0 - Normal
23	NO	NO	0.0	0	.	0 - Normal
24	NO	NO	0.0	0	.	0 - Normal
25	NO	NO	0.0	0	.	0 - Normal
26	NO	NO	0.0	0	.	0 - Normal
27	NO	NO	0.0	0	.	0 - Normal
28	NO	NO	0.0	1	.	1 - Extend/Delay
29	NO	NO	0.0	0	.	0 - Normal
30	NO	NO	0.0	0	.	0 - Normal
31	NO	NO	0.0	0	.	0 - Normal
32	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

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33	NO	NO	0.0	0	.	0 - Normal
34	NO	NO	0.0	0	.	0 - Normal
35	NO	NO	0.0	0	.	0 - Normal
36	NO	NO	0.0	0	.	0 - Normal
37	NO	NO	0.0	0	.	0 - Normal
38	NO	NO	0.0	0	.	0 - Normal
39	NO	NO	0.0	0	.	0 - Normal
40	NO	NO	0.0	0	.	0 - Normal
41	NO	NO	0.0	0	.	0 - Normal
42	NO	NO	0.0	0	.	0 - Normal
43	NO	NO	0.0	0	.	0 - Normal
44	NO	NO	0.0	0	.	0 - Normal
45	NO	NO	0.0	0	.	0 - Normal
46	NO	NO	0.0	0	.	0 - Normal
47	NO	NO	0.0	0	.	0 - Normal
48	NO	NO	0.0	0	.	0 - Normal
49	NO	NO	0.0	0	.	0 - Normal
50	NO	NO	0.0	0	.	0 - Normal
51	NO	NO	0.0	0	.	0 - Normal
52	NO	NO	0.0	0	.	0 - Normal
53	NO	NO	0.0	0	.	0 - Normal
54	NO	NO	0.0	0	.	0 - Normal
55	NO	NO	0.0	0	.	0 - Normal
56	NO	NO	0.0	0	.	0 - Normal
57	NO	NO	0.0	0	.	0 - Normal
58	NO	NO	0.0	0	.	0 - Normal
59	NO	NO	0.0	0	.	0 - Normal
60	NO	NO	0.0	0	.	0 - Normal
61	NO	NO	0.0	0	.	0 - Normal
62	NO	NO	0.0	0	.	0 - Normal
63	NO	NO	0.0	0	.	0 - Normal
64	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 33: Detector 33  
 Det 34: Detector 34  
 Det 35: Detector 35  
 Det 36: Detector 36  
 Det 37: Detector 37  
 Det 38: Detector 38  
 Det 39: Detector 39  
 Det 40: Detector 40  
 Det 41: Detector 41  
 Det 42: Detector 42  
 Det 43: Detector 43  
 Det 44: Detector 44  
 Det 45: Detector 45  
 Det 46: Detector 46  
 Det 47: Detector 47  
 Det 48: Detector 48

Det 49: Detector 49  
 Det 50: Detector 50  
 Det 51: Detector 51  
 Det 52: Detector 52  
 Det 53: Detector 53  
 Det 54: Detector 54  
 Det 55: Detector 55  
 Det 56: Detector 56  
 Det 57: Detector 57  
 Det 58: Detector 58  
 Det 59: Detector 59  
 Det 60: Detector 60  
 Det 61: Detector 61  
 Det 62: Detector 62  
 Det 63: Detector 63  
 Det 64: Detector 64







Ped/SD Local Assign,Log Interval

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	Phase Ped Detector											
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	1
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	1

	*Local System Detector No.														
Is Local Detector No. . .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Is Local Detector No. . .	7	8	17	18	19	20	21	22	0	0	0	0	0	0	0

Detector Log Interval . . 15

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

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Plan		Detector														1
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Plan		Detector														3
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data

Diagnostic Plans/Fail Action

Plan		Detector														4
		33	34	35	36	37	38	39	40	41	42	43	44	45	46	
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Plan		Detector														6
		49	50	51	52	53	54	55	56	57	58	59	60	61	62	
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data



Detector Diagnostic Intervals

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Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Co
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

---

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

---

Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                      OffsetUnits . . . . . Percent

Interconnect Format . STD                              Interconnect Source . TLM

Transition. . . . . SMOOTH                              Dwell Period. . . . . 0

Resync Count. . . . . 0

Actuated Coord Phase . . . . X Actuated Walk Rest . . . . .

Inhibit Max Timing . . . . . X Max 2 Select . . . . .

Floating Force Off . . . . . X Multisync. . . . .

				Phase												
Split Demand:	Call	Time	Cyc	Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . . . . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . . . . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase										
	1	2	3	4	5	6	7	8	9	10	11			
Auto Permissive Min Green .	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . . .	.	.	.	.	.	.

Coordination Patterns

-----  
 Pattern 1

Cycle Length . . . 80 COS . . . . . 701  
 Offset . . . . . 65  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 64 3- 0 4- 36  
           Phase 5- 0 6- 64 7- 0 8- 36  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . X . . . X . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 2

Cycle Length . . . 105 COS . . . . . 702  
 Offset . . . . . 65  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 12 2- 49 3- 0 4- 39  
           Phase 5- 12 6- 49 7- 0 8- 39  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 3

Cycle Length . . . 105 COS . . . . . 703  
 Offset . . . . . 59  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 12 2- 49 3- 0 4- 39  
           Phase 5- 14 6- 47 7- 0 8- 39  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

-----  
Pattern 4

Cycle Length . . 105 COS . . . . . 704  
 Offset . . . . . 63  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 12 2- 50 3- 0 4- 38  
           Phase 5- 15 6- 47 7- 0 8- 38  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 5

Cycle Length . . 125 COS . . . . . 705  
 Offset . . . . . 76  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 10 2- 68 3- 0 4- 22  
           Phase 5- 10 6- 68 7- 0 8- 22  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 6

Cycle Length . . 125 COS . . . . . 706  
 Offset . . . . . 59  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 10 2- 68 3- 0 4- 22  
           Phase 5- 16 6- 62 7- 0 8- 22  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

-----  
 Pattern 7

Cycle Length . . 125 COS . . . . . 707  
 Offset . . . . . 55  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 10 2- 68 3- 0 4- 22  
           Phase 5- 16 6- 62 7- 0 8- 22  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 9

Cycle Length . . 125 COS . . . . . 709  
 Offset . . . . . 60  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 10 2- 67 3- 0 4- 23  
           Phase 5- 19 6- 58 7- 0 8- 23  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----

Preemptors

-----  
Preemptor 1

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
Outputs Only During Hold . . X Flash All Outputs X Zero Ped Clr Tim  
Terminate Overlap ASAP . . . . . Terminate Phases. X Ped Clr Thru Yel  
Don't Override Flash . . . . . Duration Time. . . . . 0  
Flash During Hold. . . . . Delay Time . . . . . 0  
No CVM in Flash. . . . . Inhibit Time . . . . . 0  
Fast Flash Grn on Hold Phase. . Min Ped Clear. . . . . 0  
Enable Max Time. . . . . Max Time . . . . . 0  
Exit Max . . . . . 0  
Min Hold Time. . . . . 1  
Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.6	2.0
Track Clear . . . . .	1	3.6	2.0
Hold. . . . .		3.6	2.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .				X					X							
Exit Phases . . . . .		X					X									
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green

-----  
Preemptor 2

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
Outputs Only During Hold . . X Flash All Outputs X Zero Ped Clr Tim  
Terminate Overlap ASAP . . . . . Terminate Phases. X Ped Clr Thru Yel  
Don't Override Flash . . . . . Duration Time. . . . . 0  
Flash During Hold. . . . . Delay Time . . . . . 0  
No CVM in Flash. . . . . Inhibit Time . . . . . 0  
Fast Flash Grn on Hold Phase. . Min Ped Clear. . . . . 0  
Enable Max Time. . . . . Max Time . . . . . 0  
Exit Max . . . . . 0  
Min Hold Time. . . . . 1  
Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.6	2.0
Track Clear . . . . .	1	3.6	2.0
Hold. . . . .		3.6	2.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .					X			X								
Exit Phases . . . . .		X					X									
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green

Linked Preemptor . . . . 0  
-----

Preemptors

-----  
Preemptor 3

Active . . . . . X Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . . X Flash All Outputs X Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . . . Terminate Phases. X Ped Clr Thru Yel  
 Don't Override Flash . . . . . X Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 Exit Max . . . . . 0  
 Min Hold Time. . . . . 1  
 Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.6	2.0
Track Clear . . . . .	1	3.6	2.0
Hold. . . . .		3.6	2.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .				X					X							
Exit Phases . . . . .		X					X									
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
 Linked Preemptor . . . . . 0

-----  
Preemptor 4

Active . . . . . X Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . . X Flash All Outputs X Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . . . Terminate Phases. X Ped Clr Thru Yel  
 Don't Override Flash . . . . . X Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 Exit Max . . . . . 0  
 Min Hold Time. . . . . 1  
 Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.6	2.0
Track Clear . . . . .	1	3.6	2.0
Hold. . . . .		3.6	2.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .					X			X								
Exit Phases . . . . .		X					X									
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
 Linked Preemptor . . . . . 0

Preemptors

-----  
Preemptor 5

Active . . . . . X Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . Ped Active . . .  
 Outputs Only During Hold . . X Flash All Outputs X Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . Terminate Phases. X Ped Clr Thru Yel  
 Don't Override Flash . . . X Duration Time. . . 0  
 Flash During Hold. . . . . Delay Time . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . 0  
 Fast Flash Grn on Hold Phase. . Min Ped Clear. . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 Exit Max . . . . . 0  
 Min Hold Time. . . . . 1  
 Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.6	2.0
Track Clear . . . . .	1	3.6	2.0
Hold. . . . .		3.6	2.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .	X						X									
Exit Phases . . . . .		X					X									
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
 Linked Preemptor . . . . 0

-----  
Preemptor 6

Active . . . . . X Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . Ped Active . . .  
 Outputs Only During Hold . . X Flash All Outputs X Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . Terminate Phases. X Ped Clr Thru Yel  
 Don't Override Flash . . . X Duration Time. . . 0  
 Flash During Hold. . . . . Delay Time . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . 0  
 Fast Flash Grn on Hold Phase. . Min Ped Clear. . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 Exit Max . . . . . 0  
 Min Hold Time. . . . . 1  
 Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.6	2.0
Track Clear . . . . .	1	3.6	2.0
Hold. . . . .		3.6	2.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .														X		
Track Clearance Phase . . . . .																
Hold Phases . . . . .		X				X										
Exit Phases . . . . .		X					X									
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
 Linked Preemptor . . . . 0

Bus Preemptors

---

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----  
Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . NO If NO, then week containing

Disable Daylight Savings Time . . . . . NO

Daylight Savings  
Begins Last Sunday in March . . . . . NO If NO, then Second Sunday a



Holiday Programs

---

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

NIC Program Steps

---

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0600	1	NO
3	1	0645	2	NO
4	1	0730	5	NO
5	1	0815	3	NO
6	1	1600	7	NO
7	1	1845	4	NO
8	1	1915	1	NO
9	1	2100	0	NO
10	2	0000	0	NO
11	2	0800	1	NO
12	2	0900	3	NO
13	2	1200	4	NO
14	2	1330	3	NO
15	2	1930	1	NO
16	2	2100	0	NO
17	3	0000	0	NO
18	3	0900	1	NO
19	3	1000	4	NO
20	3	1900	1	NO
21	3	2000	0	NO

TOD Program Steps

```
-----
Step 1          Program 1          Step Begins    2200

Flash. . . . . X          Dimming Enable. . . . .
Red Rest . . . . .          Alt Veh Extension . . . . .
Spare 5. . . . .          Det Log Enable. . . . . X
Spare 3. . . . .          Spare 4 . . . . .
Type 0 Dly Enable. . . . . Spare 2 . . . . .
Det Diag Plan. . . . . 0
```

```

Phase Number
1  2  3  4  5  6  7  8  9  10  11
Max 2 Enable . . . . . . . . . .
Max 3 Enable . . . . . . . . . .
Veh Recall . . . . . . . . . .
Veh Max Recall . . . . . . . . . .
Ped Recall . . . . . . . . . .
Cond Service Inhibit. . . . . . . . . .
Phase Omit . . . . . . . . . .
Special Function . . . . . . . . . .

A  B  C  D  E  F
Alt Sequence . . . . . . . . . .
-----
```

```
Step 2          Program 1          Step Begins    0000

Flash. . . . . X          Dimming Enable. . . . .
Red Rest . . . . .          Alt Veh Extension . . . . .
Spare 5. . . . .          Det Log Enable. . . . . X
Spare 3. . . . .          Spare 4 . . . . .
Type 0 Dly Enable. . . . . Spare 2 . . . . .
Det Diag Plan. . . . . 0
```

```

Phase Number
1  2  3  4  5  6  7  8  9  10  11
Max 2 Enable . . . . . . . . . .
Max 3 Enable . . . . . . . . . .
Veh Recall . . . . . . . . . .
Veh Max Recall . . . . . . . . . .
Ped Recall . . . . . . . . . .
Cond Service Inhibit. . . . . . . . . .
Phase Omit . . . . . . . . . .
Special Function . . . . . . . . . .

A  B  C  D  E  F
Alt Sequence . . . . . . . . . .
-----
```









Configuration

---

	Controller Sequence Priority										
	1	2	3	4	5	6	7	8	9	10	11
Ring 1 Phases . .	1	2	3	4	9	10	0	0	0	0	0
Ring 2 Phases . .	5	6	7	8	11	12	0	0	0	0	0

	Phase										
	1	2	3	4	5	6	7	8	9	10	11
In Use. . . . .	X	X	X	X	X	X	.	X	.	.	.
Exclusive Ped . . .	.	.	.	.	.	.	.	.	.	.	.
Direction . . . . .											

	Overlap			
	A	B	C	D
Direction . . . . .				

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch Channel (MMU)	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	3	.
4 . . . . .	4	.
5 . . . . .	5	.
6 . . . . .	6	.
7 . . . . .	0	.
8 . . . . .	8	.
9 . . . . .	2	X
10 . . . . .	0	.
11 . . . . .	6	X
12 . . . . .	8	X
13 . . . . .	0	.
14 . . . . .	0	.
15 . . . . .	0	.
16 . . . . .	0	.

Configuration Continued

-----

	Enable BIU:	1	2	3	4	5	6	7	8
Terminal/Facilities.	.	.	.	.	.	.	.	.	.
Detector Rack.	.	.	.	.	.	.	.	.	.

Type 2 Runs as Type 1. . . . .

MMU Disable. . . . .

Diagnostic Enable. . . . .

Peer-Peer Comm Enable. . . . .

	1	2	3	4	5	6	7	8	9
Peer To Peer Addresses . .	255	255	255	255	255	255	255	255	255

Port 2:

Port 2 Protocol . . . . . Terminal

Port 2 Enable . . . . . YES

AB3418 Address. . . . . 0

AB3418 Group Address. . . . . 0

AB3418 Response Delay . . . . . 0

AB3418 Single Flag Enable . . . . . NO

AB3418 Drop-Out Time. . . . . 0

AB3418 TOD SF Select. . . . . 0

Data Rate . . . . . 1200 bps

Data, Parity, Stop. . . . . 8, 0, 1

Port 3:

Port 3 Protocol . . . . . Telemetry

Port 3 Enable . . . . . YES

Telemetry Address . . . . . 4

System Detector 9-16 Address. . . . . 0

Telemetry Response Delay. . . . . 8000

AB3418 Address. . . . . 0

AB3418 Group Address. . . . . 0

AB3418 Response Delay . . . . . 0

AB3418 Single Flag Enable . . . . . NO

AB3418 Drop-Out Time. . . . . 0

AB3418 TOD SF Select. . . . . 0

Duplex. . . . . Full

Data Rate . . . . . 1200 bps

Data, Parity, Stop. . . . . 8, 0, 1

Configuration Continued

Event Enabling	Alarm Enabling
Critical RFE'S (MMU/TF) . . . . . X	ALARM 1 . . . . .
Non-Critical RFE'S (DET/TEST) . . . X	ALARM 2 . . . . .
Detector Errors . . . . . X	ALARM 3 . . . . .
Coordination Errors . . . . . X	ALARM 4 . . . . .
MMU Flash Faults. . . . . X	ALARM 5 . . . . .
Local Flash Faults. . . . . X	ALARM 6 . . . . .
Preempt . . . . . X	ALARM 7 . . . . .
Power On/Off. . . . . X	ALARM 8 . . . . .
Low Battery . . . . . X	ALARM 9 . . . . .
	ALARM 10. . . . .
	ALARM 11. . . . .
	ALARM 12. . . . .
	ALARM 13. . . . .
	ALARM 14. . . . .
	ALARM 15. . . . .
	ALARM 16. . . . .

Supervisor Access Code . . . \*\*\*\*  
 Data Change Access Code . . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:	Part No.	Version
Software Assy.	27831	2.83
Boot	45561	8.2
Program		. 3
Application	27891	6.43
Help	27918	C000
Configuration		





Ped Carryover

---

Ped Start Phase	Carry Over Phase
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0



Overlap Data

---

Overlap A	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard		.	.	.	.	.	.	.	.	.	.	.	.
Protected		.	.	.	.	.	.	.	.	.	.	.	.
Permitted		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead		.	.	.	.	.	.	.	.	.	.	.	.
Spare		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer					0.0								
					Green		Yellow		Red				
Lag/Lead Timers					0.0		0.0		0.0				

Overlap B	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard		.	.	.	.	.	.	.	.	.	.	.	.
Protected		.	.	.	.	.	.	.	.	.	.	.	.
Permitted		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead		.	.	.	.	.	.	.	.	.	.	.	.
Spare		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer					0.0								
					Green		Yellow		Red				
Lag/Lead Timers					0.0		0.0		0.0				

Overlap C	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard		.	.	.	.	.	.	.	.	.	.	.	.
Protected		.	.	.	.	.	.	.	.	.	.	.	.
Permitted		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead		.	.	.	.	.	.	.	.	.	.	.	.
Spare		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer					0.0								
					Green		Yellow		Red				
Lag/Lead Timers					0.0		0.0		0.0				

Overlap D	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard		.	.	.	.	.	.	.	.	.	.	.	.
Protected		.	.	.	.	.	.	.	.	.	.	.	.
Permitted		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead		.	.	.	.	.	.	.	.	.	.	.	.
Spare		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer					0.0								
					Green		Yellow		Red				
Lag/Lead Timers					0.0		0.0		0.0				

Power Start, Remote Flash

---

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
External Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
Into Remote Flash. . . . .	.	.	.	X	.	.	.	X	.	.	.	.				
Exit Remote Flash. . . . .	.	X	.	.	.	X	.	.	.	.	.	.	Overlap			
Remote Flash Yellow. . . . .	.	.	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	X	.	X

Initialization Interval:

Power Start . . . . . Green  
External Start. . . . . Green

Power Start All Red Time. . . . . 0  
Power Start Flash Time. . . . . 0

Remote Flash Options:

Out of Flash Yellow . . . . . NO  
Out of Flash All Red. . . . . NO  
Minimum Recall. . . . . NO  
Alternate Flash . . . . . NO  
Flash Thru Load Switches. . . . . NO  
Cycle Through Phases. . . . . NO

Option Data

---

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	X	.	.	.	X	.	.	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Dual Entry. . . . .	.	X	.	X	.	X	.	X	.	X	.	X
Conditional Service . . . . .	X	.	X	.	X	.	X	.	X	.	X	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry. . . . .	ON	Backup Protection Group 1 . . . . .
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .
Ped Clearance Protection. . . . .	OFF	Backup Protection Group 3 . . . . .
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1. . . . .
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2. . . . .
Lock Detectors in Red Only. . . . .	OFF	Simultaneous Gap Group 3. . . . .

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

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Det.	Locking	Log	Timers		Don't Reset		Type
	Memory	Enable	Extend	Delay	Extend		
1	NO	NO	0.0	0	.	0	- Normal
2	NO	NO	0.0	0	.	0	- Normal
3	NO	NO	0.0	0	.	0	- Normal
4	NO	NO	0.0	0	.	0	- Normal
5	NO	NO	0.0	0	.	0	- Normal
6	NO	NO	0.0	0	.	0	- Normal
7	NO	NO	0.0	0	.	0	- Normal
8	NO	NO	0.0	0	.	0	- Normal
9	NO	YES	0.0	0	.	0	- Normal
10	NO	YES	0.0	0	.	0	- Normal
11	NO	YES	0.0	0	.	0	- Normal
12	NO	YES	0.0	0	.	0	- Normal
13	NO	NO	0.0	0	.	0	- Normal
14	NO	NO	0.0	0	.	0	- Normal
15	NO	NO	0.0	0	.	0	- Normal
16	NO	NO	0.0	0	.	0	- Normal
17	NO	YES	0.0	0	.	0	- Normal
18	NO	YES	0.0	0	.	0	- Normal
19	NO	YES	0.0	0	.	0	- Normal
20	NO	YES	0.0	0	.	0	- Normal
21	NO	YES	0.0	0	.	0	- Normal
22	NO	YES	0.0	0	.	0	- Normal
23	NO	YES	0.0	0	.	0	- Normal
24	NO	YES	0.0	0	.	0	- Normal
25	NO	NO	0.0	0	.	0	- Normal
26	NO	NO	0.0	0	.	0	- Normal
27	NO	NO	0.0	0	.	0	- Normal
28	NO	NO	0.0	0	.	0	- Normal
29	NO	NO	0.0	0	.	0	- Normal
30	NO	NO	0.0	0	.	0	- Normal
31	NO	NO	0.0	0	.	0	- Normal
32	NO	NO	0.0	0	.	0	- Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

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33	NO	NO	0.0	0	.	0 - Normal
34	NO	NO	0.0	0	.	0 - Normal
35	NO	NO	0.0	0	.	0 - Normal
36	NO	NO	0.0	0	.	0 - Normal
37	NO	NO	0.0	0	.	0 - Normal
38	NO	NO	0.0	0	.	0 - Normal
39	NO	NO	0.0	0	.	0 - Normal
40	NO	NO	0.0	0	.	0 - Normal
41	NO	NO	0.0	0	.	0 - Normal
42	NO	NO	0.0	0	.	0 - Normal
43	NO	NO	0.0	0	.	0 - Normal
44	NO	NO	0.0	0	.	0 - Normal
45	NO	NO	0.0	0	.	0 - Normal
46	NO	NO	0.0	0	.	0 - Normal
47	NO	NO	0.0	0	.	0 - Normal
48	NO	NO	0.0	0	.	0 - Normal
49	NO	NO	0.0	0	.	0 - Normal
50	NO	NO	0.0	0	.	0 - Normal
51	NO	NO	0.0	0	.	0 - Normal
52	NO	NO	0.0	0	.	0 - Normal
53	NO	NO	0.0	0	.	0 - Normal
54	NO	NO	0.0	0	.	0 - Normal
55	NO	NO	0.0	0	.	0 - Normal
56	NO	NO	0.0	0	.	0 - Normal
57	NO	NO	0.0	0	.	0 - Normal
58	NO	NO	0.0	0	.	0 - Normal
59	NO	NO	0.0	0	.	0 - Normal
60	NO	NO	0.0	0	.	0 - Normal
61	NO	NO	0.0	0	.	0 - Normal
62	NO	NO	0.0	0	.	0 - Normal
63	NO	NO	0.0	0	.	0 - Normal
64	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 33: Detector 33  
 Det 34: Detector 34  
 Det 35: Detector 35  
 Det 36: Detector 36  
 Det 37: Detector 37  
 Det 38: Detector 38  
 Det 39: Detector 39  
 Det 40: Detector 40  
 Det 41: Detector 41  
 Det 42: Detector 42  
 Det 43: Detector 43  
 Det 44: Detector 44  
 Det 45: Detector 45  
 Det 46: Detector 46  
 Det 47: Detector 47  
 Det 48: Detector 48

Det 49: Detector 49  
 Det 50: Detector 50  
 Det 51: Detector 51  
 Det 52: Detector 52  
 Det 53: Detector 53  
 Det 54: Detector 54  
 Det 55: Detector 55  
 Det 56: Detector 56  
 Det 57: Detector 57  
 Det 58: Detector 58  
 Det 59: Detector 59  
 Det 60: Detector 60  
 Det 61: Detector 61  
 Det 62: Detector 62  
 Det 63: Detector 63  
 Det 64: Detector 64







Ped/SD Local Assign,Log Interval

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	Phase Ped Detector											
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	1

	*Local System Detector No.														
Is Local Detector No. . .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	9	10	11	12	17	18	19	20	23	24	0	0	0	0	0

Detector Log Interval . . 15

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

Plan	Detector														1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan	Detector														3
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data

Diagnostic Plans/Fail Action

Plan	Detector														
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	4
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan	Detector														
	49	50	51	52	53	54	55	56	57	58	59	60	61	62	6
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data



Detector Diagnostic Intervals

---

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Co
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

-----

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

-----  
Manual Enable . . . . . Pattern . . . . . 0  
Split Units . . . . . Percent                    OffsetUnits . . . . . Percent  
Interconnect Format . STD                    Interconnect Source . TLM  
Transition. . . . . SMOOTH                    Dwell Period. . . . . 0  
Resync Count. . . . . 0

Actuated Coord Phase . . . . . Actuated Walk Rest . . . . .  
Inhibit Max Timing . . . . . X Max 2 Select . . . . .  
Floating Force Off . . . . . X Multisync. . . . .

				Phase												
Split Demand:	Call	Time	Cyc	Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase										
	1	2	3	4	5	6	7	8	9	10	11	12		
Auto Permissive Min Green .	0	0	0	0	0	0	0	0	0	0	0	0		

	A	B	C	D	E	F
Free Alternate Sequence . .	.	.	.	.	.	.

Coordination Patterns

-----  
 Pattern 1

Cycle Length . . . . . 80    COS . . . . . 701  
 Offset . . . . . 55  
 Vehicle Permissive . . [1] 10    [2] 0  
 Vehicle Perm 2 Displacement 0    Phase Reservice. . NO  
 Splits:    Phase 1- 0 2- 65 3- 0 4- 35  
           Phase 5- 0 6- 65 7- 0 8- 35  
           Phase 9- 0 10- 0 11- 0 12- 0    Split Sum: 0  
 Split Extension/Ring [1] 0    [2] 0  
 Split Demand Pattern [1] 0    [2] 0  
 XRT Pattern. . . . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . . X . . . . .  
 Veh Recall .  
 Veh Max Recall .  
 Ped Recall .  
 Veh Omit . . . . . X . . . . . X . . . . . X . . . . .  
 Alt Sequence . . . . . A: . . . . . B: . . . . . C: . . . . . D: . . . . . E: . . . . . F: . . . . .

-----  
 Pattern 2

Cycle Length . . . . . 105    COS . . . . . 702  
 Offset . . . . . 8  
 Vehicle Permissive . . [1] 10    [2] 0  
 Vehicle Perm 2 Displacement 0    Phase Reservice. . NO  
 Splits:    Phase 1- 13 2- 50 3- 0 4- 37  
           Phase 5- 13 6- 50 7- 0 8- 37  
           Phase 9- 0 10- 0 11- 0 12- 0    Split Sum: 0  
 Split Extension/Ring [1] 0    [2] 0  
 Split Demand Pattern [1] 0    [2] 0  
 XRT Pattern. . . . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . . X . . . . .  
 Veh Recall .  
 Veh Max Recall .  
 Ped Recall .  
 Veh Omit . . . . . . . . . . . X . . . . . . . . . . .  
 Alt Sequence . . . . . A: . . . . . B: . . . . . C: . . . . . D: . . . . . E: . . . . . F: . . . . .

-----  
 Pattern 3

Cycle Length . . . . . 105    COS . . . . . 703  
 Offset . . . . . 9  
 Vehicle Permissive . . [1] 10    [2] 0  
 Vehicle Perm 2 Displacement 0    Phase Reservice. . NO  
 Splits:    Phase 1- 13 2- 50 3- 0 4- 37  
           Phase 5- 13 6- 50 7- 0 8- 37  
           Phase 9- 0 10- 0 11- 0 12- 0    Split Sum: 0  
 Split Extension/Ring [1] 0    [2] 0  
 Split Demand Pattern [1] 0    [2] 0  
 XRT Pattern. . . . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . . . X . . . . .  
 Veh Recall .  
 Veh Max Recall .  
 Ped Recall .  
 Veh Omit . . . . . . . . . . . X . . . . . . . . . . .  
 Alt Sequence . . . . . A: . . . . . B: . . . . . C: . . . . . D: . . . . . E: . . . . . F: . . . . .

Coordination Patterns

-----  
Pattern 4

Cycle Length . . 105 COS . . . . . 704  
 Offset . . . . . 10  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 13 2- 50 3- 0 4- 37  
           Phase 5- 13 6- 50 7- 0 8- 37  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . X . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 5

Cycle Length . . 125 COS . . . . . 705  
 Offset . . . . . 25  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 11 2- 57 3- 11 4- 21  
           Phase 5- 11 6- 57 7- 0 8- 32  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 6

Cycle Length . . 125 COS . . . . . 706  
 Offset . . . . . 8  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 11 2- 58 3- 11 4- 20  
           Phase 5- 11 6- 58 7- 0 8- 31  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

---

Pattern 7

Cycle Length . . 125 COS . . . . . 707  
 Offset . . . . . 59  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 11 2- 58 3- 11 4- 20  
           Phase 5- 11 6- 58 7- 0 8- 31  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

---

Pattern 9

Cycle Length . . 125 COS . . . . . 311  
 Offset . . . . . 78  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 10 2- 64 3- 14 4- 12  
           Phase 5- 10 6- 64 7- 0 8- 26  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

---

Preemptors

-----  
Preemptor 1

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel  
 Don't Override Flash . . . . . Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 . . . . . Exit Max . . . . . 0  
 . . . . . Min Hold Time. . . . . 0  
 . . . . . Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	0	0.0	0.0
Track Clear . . . . .	0	0.0	0.0
Hold. . . . .		0.0	0.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .																
Exit Phases . . . . .																
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green

-----  
Preemptor 2

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel  
 Don't Override Flash . . . . . Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 . . . . . Exit Max . . . . . 0  
 . . . . . Min Hold Time. . . . . 0  
 . . . . . Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	0	0.0	0.0
Track Clear . . . . .	0	0.0	0.0
Hold. . . . .		0.0	0.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .																
Exit Phases . . . . .																
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green

Linked Preemptor . . . . 0  
-----





Bus Preemptors

---

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----  
Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . NO If NO, then week containing

Disable Daylight Savings Time . . . . . NO

Daylight Savings  
Begins Last Sunday in March . . . . . NO If NO, then Second Sunday a



Holiday Programs

---

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

NIC Program Steps

---

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0600	1	NO
3	1	0645	2	NO
4	1	0730	5	NO
5	1	0815	3	NO
6	1	1600	7	NO
7	1	1845	4	NO
8	1	1915	1	NO
9	1	2100	0	NO
10	2	0000	0	NO
11	2	0800	1	NO
12	2	0900	3	NO
13	2	1200	4	NO
14	2	1330	3	NO
15	2	1930	1	NO
16	2	2100	0	NO
17	3	0000	0	NO
18	3	0900	1	NO
19	3	1000	4	NO
20	3	1900	1	NO
21	3	2000	0	NO

TOD Program Steps

```

-----
Step 1          Program 1          Step Begins    2200

Flash. . . . . X          Dimming Enable. . . . .
Red Rest . . . . . .      Alt Veh Extension . . . .
Spare 5. . . . . .        Det Log Enable. . . . . X
Spare 3. . . . . .        Spare 4 . . . . . .
Type 0 Dly Enable. . . .   Spare 2 . . . . . .
Det Diag Plan. . . . . 0
    
```

```

                                     Phase Number
                                     1  2  3  4  5  6  7  8  9 10 11
Max 2 Enable . . . . . . . . . . . . . . . . . . . . . . . .
Max 3 Enable . . . . . . . . . . . . . . . . . . . . . . . .
Veh Recall . . . . . . . . . . . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . . . . . . . . . . . .
Cond Service Inhibit. . . . . . . . . . . . . . . . . . . .
Phase Omit . . . . . . . . . . . . . . . . . . . . . . . .
Special Function . . . . . . . . . . . . . . . . . . . . . .

                                     A  B  C  D  E  F
Alt Sequence . . . . . . . . . . . . . . . . . . . . . .
-----
    
```

```

Step 2          Program 1          Step Begins    0000

Flash. . . . . X          Dimming Enable. . . . .
Red Rest . . . . . .      Alt Veh Extension . . . .
Spare 5. . . . . .        Det Log Enable. . . . . X
Spare 3. . . . . .        Spare 4 . . . . . .
Type 0 Dly Enable. . . .   Spare 2 . . . . . .
Det Diag Plan. . . . . 0
    
```

```

                                     Phase Number
                                     1  2  3  4  5  6  7  8  9 10 11
Max 2 Enable . . . . . . . . . . . . . . . . . . . . . .
Max 3 Enable . . . . . . . . . . . . . . . . . . . . . .
Veh Recall . . . . . . . . . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . . . . . . . . . .
Cond Service Inhibit. . . . . . . . . . . . . . . . . . .
Phase Omit . . . . . . . . . . . . . . . . . . . . . .
Special Function . . . . . . . . . . . . . . . . . . . .

                                     A  B  C  D  E  F
Alt Sequence . . . . . . . . . . . . . . . . . . . . .
-----
    
```









Configuration

---

	Controller Sequence Priority											
	1	2	3	4	5	6	7	8	9	10	11	
Ring 1 Phases . . .	1	2	3	4	9	10	0	0	0	0	0	
Ring 2 Phases . . .	5	6	7	8	11	12	0	0	0	0	0	
							Phase					
	1	2	3	4	5	6	7	8	9	10	11	
In Use . . . . .	.	X	X	X	.	X	X	X	.	.	.	
Exclusive Ped . . .	.	.	.	.	.	.	.	.	.	.	.	
Direction . . . . .												
		Overlap										
Direction . . . . .	A	B	C	D								

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch Channel	Signal	Driver Phase/Ovlap	Group Ped
1 . . . . .		0	.
2 . . . . .		2	.
3 . . . . .		3	.
4 . . . . .		4	.
5 . . . . .		0	.
6 . . . . .		6	.
7 . . . . .		7	.
8 . . . . .		8	.
9 . . . . .		2	X
10 . . . . .		4	X
11 . . . . .		6	X
12 . . . . .		8	X
13 . . . . .		0	.
14 . . . . .		0	.
15 . . . . .		0	.
16 . . . . .		0	.

Configuration Continued

-----

	Enable BIU:	1	2	3	4	5	6	7	8
Terminal/Facilities.	.	.	.	.	.	.	.	.	.
Detector Rack.	.	.	.	.	.	.	.	.	.

Type 2 Runs as Type 1. . . . .

MMU Disable. . . . .

Diagnostic Enable. . . . .

Peer-Peer Comm Enable. . . . .

	1	2	3	4	5	6	7	8	9
Peer To Peer Addresses . . .	255	255	255	255	255	255	255	255	255

Port 2:

Port 2 Protocol . . . . . Terminal

Port 2 Enable . . . . . YES

AB3418 Address. . . . . 0

AB3418 Group Address. . . . . 0

AB3418 Response Delay . . . . . 0

AB3418 Single Flag Enable . . . . . NO

AB3418 Drop-Out Time. . . . . 0

AB3418 TOD SF Select. . . . . 0

Data Rate . . . . . 1200 bps

Data, Parity, Stop. . . . . 8, 0, 1

Port 3:

Port 3 Protocol . . . . . Telemetry

Port 3 Enable . . . . . YES

Telemetry Address . . . . . 5

System Detector 9-16 Address. . . . . 0

Telemetry Response Delay. . . . . 8000

AB3418 Address. . . . . 0

AB3418 Group Address. . . . . 0

AB3418 Response Delay . . . . . 0

AB3418 Single Flag Enable . . . . . NO

AB3418 Drop-Out Time. . . . . 0

AB3418 TOD SF Select. . . . . 0

Duplex. . . . . Full

Data Rate . . . . . 1200 bps

Data, Parity, Stop. . . . . 8, 0, 1

Configuration Continued

---

Event Enabling	Alarm Enabling
Critical RFE'S (MMU/TF) . . . . . X	ALARM 1 . . . . .
Non-Critical RFE'S (DET/TEST) . . X	ALARM 2 . . . . .
Detector Errors . . . . . X	ALARM 3 . . . . .
Coordination Errors . . . . . X	ALARM 4 . . . . .
MMU Flash Faults. . . . . X	ALARM 5 . . . . .
Local Flash Faults. . . . . X	ALARM 6 . . . . .
Preempt . . . . . X	ALARM 7 . . . . .
Power On/Off. . . . . X	ALARM 8 . . . . .
Low Battery . . . . . X	ALARM 9 . . . . .
	ALARM 10. . . . .
	ALARM 11. . . . .
	ALARM 12. . . . .
	ALARM 13. . . . .
	ALARM 14. . . . .
	ALARM 15. . . . .
	ALARM 16. . . . .

Supervisor Access Code . . . \*\*\*\*  
 Data Change Access Code . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:		
Software Assy.	Part No.	Version
Boot	27831	2.83
Program	45561	8.2
Application		. 3
Help	27891	6.43
Configuration	27918	C000





Ped Carryover

---

Ped Start Phase	Carry Over Phase
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0





Power Start, Remote Flash

---

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	.	.	X	.	.	.	X	.	.	.	.				
External Start . . . . .	.	.	.	X	.	.	.	X	.	.	.	.				
Into Remote Flash. . . . .	.	X	.	.	.	X	.	.	.	.	.	.				
Exit Remote Flash. . . . .	.	.	.	X	.	.	.	X	.	.	.	.	Overlap			
Remote Flash Yellow. . . . .	.	.	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	X	.	X

Initialization Interval:

Power Start . . . . . Green  
 External Start. . . . . Green

Power Start All Red Time. . . . . 0  
 Power Start Flash Time. . . . . 0

Remote Flash Options:

Out of Flash Yellow . . . . . NO  
 Out of Flash All Red. . . . . NO  
 Minimum Recall. . . . . NO  
 Alternate Flash . . . . . NO  
 Flash Thru Load Switches. . . . . NO  
 Cycle Through Phases. . . . . NO

Option Data

---

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	.	.	X	.	.	.	X	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Dual Entry. . . . .	.	X	.	X	.	X	.	X	.	X	.	X
Conditional Service . . . . .	X	.	X	.	X	.	X	.	X	.	X	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry. . . . .	ON	Backup Protection Group 1 . . . . .
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .
Ped Clearance Protection. . . . .	OFF	Backup Protection Group 3 . . . . .
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1. . . . .
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2. . . . .
Lock Detectors in Red Only. . . . .	OFF	Simultaneous Gap Group 3. . . . .

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

---

Det.	Locking	Log	Timers		Don't Reset		Type
	Memory	Enable	Extend	Delay	Extend		
1	NO	NO	0.0	0	.	0	- Normal
2	NO	NO	0.0	0	.	0	- Normal
3	NO	NO	0.0	0	.	0	- Normal
4	NO	NO	0.0	0	.	0	- Normal
5	NO	NO	0.0	0	.	0	- Normal
6	NO	NO	0.0	0	.	0	- Normal
7	NO	NO	0.0	0	.	0	- Normal
8	NO	NO	0.0	0	.	0	- Normal
9	NO	YES	0.0	0	.	0	- Normal
10	NO	YES	0.0	0	.	0	- Normal
11	NO	YES	0.0	0	.	0	- Normal
12	NO	NO	0.0	0	.	0	- Normal
13	NO	NO	0.0	0	.	0	- Normal
14	NO	NO	0.0	0	.	0	- Normal
15	NO	NO	0.0	0	.	0	- Normal
16	NO	NO	0.0	0	.	0	- Normal
17	NO	YES	0.0	0	.	0	- Normal
18	NO	YES	0.0	0	.	0	- Normal
19	NO	YES	0.0	0	.	0	- Normal
20	NO	YES	0.0	0	.	0	- Normal
21	NO	NO	0.0	0	.	0	- Normal
22	NO	YES	0.0	0	.	0	- Normal
23	NO	YES	0.0	0	.	0	- Normal
24	NO	YES	0.0	0	.	0	- Normal
25	NO	NO	0.0	0	.	0	- Normal
26	NO	NO	0.0	0	.	0	- Normal
27	NO	NO	0.0	0	.	0	- Normal
28	NO	NO	0.0	0	.	0	- Normal
29	NO	NO	0.0	0	.	0	- Normal
30	NO	NO	0.0	0	.	0	- Normal
31	NO	NO	0.0	0	.	0	- Normal
32	NO	NO	0.0	0	.	0	- Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

---

33	NO	NO	0.0	0	.	0 - Normal
34	NO	NO	0.0	0	.	0 - Normal
35	NO	NO	0.0	0	.	0 - Normal
36	NO	NO	0.0	0	.	0 - Normal
37	NO	NO	0.0	0	.	0 - Normal
38	NO	NO	0.0	0	.	0 - Normal
39	NO	NO	0.0	0	.	0 - Normal
40	NO	NO	0.0	0	.	0 - Normal
41	NO	NO	0.0	0	.	0 - Normal
42	NO	NO	0.0	0	.	0 - Normal
43	NO	NO	0.0	0	.	0 - Normal
44	NO	NO	0.0	0	.	0 - Normal
45	NO	NO	0.0	0	.	0 - Normal
46	NO	NO	0.0	0	.	0 - Normal
47	NO	NO	0.0	0	.	0 - Normal
48	NO	NO	0.0	0	.	0 - Normal
49	NO	NO	0.0	0	.	0 - Normal
50	NO	NO	0.0	0	.	0 - Normal
51	NO	NO	0.0	0	.	0 - Normal
52	NO	NO	0.0	0	.	0 - Normal
53	NO	NO	0.0	0	.	0 - Normal
54	NO	NO	0.0	0	.	0 - Normal
55	NO	NO	0.0	0	.	0 - Normal
56	NO	NO	0.0	0	.	0 - Normal
57	NO	NO	0.0	0	.	0 - Normal
58	NO	NO	0.0	0	.	0 - Normal
59	NO	NO	0.0	0	.	0 - Normal
60	NO	NO	0.0	0	.	0 - Normal
61	NO	NO	0.0	0	.	0 - Normal
62	NO	NO	0.0	0	.	0 - Normal
63	NO	NO	0.0	0	.	0 - Normal
64	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 33: Detector 33	Det 49: Detector 49
Det 34: Detector 34	Det 50: Detector 50
Det 35: Detector 35	Det 51: Detector 51
Det 36: Detector 36	Det 52: Detector 52
Det 37: Detector 37	Det 53: Detector 53
Det 38: Detector 38	Det 54: Detector 54
Det 39: Detector 39	Det 55: Detector 55
Det 40: Detector 40	Det 56: Detector 56
Det 41: Detector 41	Det 57: Detector 57
Det 42: Detector 42	Det 58: Detector 58
Det 43: Detector 43	Det 59: Detector 59
Det 44: Detector 44	Det 60: Detector 60
Det 45: Detector 45	Det 61: Detector 61
Det 46: Detector 46	Det 62: Detector 62
Det 47: Detector 47	Det 63: Detector 63
Det 48: Detector 48	Det 64: Detector 64







Ped/SD Local Assign,Log Interval

---

	Phase Ped Detector											
	1	2	3	4	5	6	7	8	9	10	11	1
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	1

	*Local System Detector No.														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Is Local Detector No. . .	9	10	11	17	18	19	20	22	23	24	0	0	0	0	0

Detector Log Interval . . 15

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

---

Plan	Detector														1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan	Detector														3
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data

Diagnostic Plans/Fail Action

---

Plan		Detector														4
		33	34	35	36	37	38	39	40	41	42	43	44	45	46	
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan		Detector														6
		49	50	51	52	53	54	55	56	57	58	59	60	61	62	
1	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data



Detector Diagnostic Intervals

-----

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Co
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

---

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

---

Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                      OffsetUnits . . . . . Percent

Interconnect Format . STD                              Interconnect Source . TLM

Transition. . . . . SMOOTH                              Dwell Period. . . . . 0

Resync Count. . . . . 0

Actuated Coord Phase . . . . . Actuated Walk Rest . . . . .

Inhibit Max Timing . . . . . X Max 2 Select . . . . .

Floating Force Off . . . . . X Multisync. . . . .

				Phase												
Split Demand:	Call	Time	Cyc	Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . .	0			0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase										
	1	2	3	4	5	6	7	8	9	10	11			
Auto Permissive Min Green .	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . .	.	.	.	.	.	.

Coordination Patterns

-----  
Pattern 1

Cycle Length . . . 80 COS . . . . . 701  
 Offset . . . . . 5  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 35 3- 0 4- 65  
           Phase 5- 0 6- 35 7- 0 8- 65  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . X . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . X . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 2

Cycle Length . . . 105 COS . . . . . 702  
 Offset . . . . . 0  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 25 3- 13 4- 62  
           Phase 5- 0 6- 25 7- 0 8- 75  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . X . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
Pattern 3

Cycle Length . . . 105 COS . . . . . 703  
 Offset . . . . . 91  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 28 3- 15 4- 57  
           Phase 5- 0 6- 28 7- 0 8- 72  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
 Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . X . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .  
 -----

Coordination Patterns

Pattern 4

Cycle Length . . . 105 COS . . . . . 704  
 Offset . . . . . 22  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 26 3- 16 4- 58  
           Phase 5- 0 6- 26 7- 0 8- 74  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . X . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

Pattern 5

Cycle Length . . . 125 COS . . . . . 705  
 Offset . . . . . 0  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 23 3- 12 4- 65  
           Phase 5- 0 6- 23 7- 0 8- 77  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . X . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

Pattern 6

Cycle Length . . . 125 COS . . . . . 706  
 Offset . . . . . 1  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 26 3- 15 4- 59  
           Phase 5- 0 6- 26 7- 0 8- 74  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . . . X . . . X . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

Coordination Patterns

---

Pattern 7

Cycle Length . . 125 COS . . . . . 707

Offset . . . . . 64

Vehicle Permissive . . [1] 10 [2] 0

Vehicle Perm 2 Displacement 0 Phase Reservice. . NO

Splits: Phase 1- 0 2- 22 3- 17 4- 61

Phase 5- 0 6- 22 7- 0 8- 78

Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0

Split Extension/Ring [1] 0 [2] 0

Split Demand Pattern [1] 0 [2] 0

XRT Pattern. . . 0

Phase Number:	1	2	3	4	5	6	7	8	9	10	11	12
---------------	---	---	---	---	---	---	---	---	---	----	----	----

Coord Phases . . . . .	.	.	.	X	.	.	.	X	.	.	.	.
------------------------	---	---	---	---	---	---	---	---	---	---	---	---

Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
----------------------	---	---	---	---	---	---	---	---	---	---	---	---

Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
--------------------------	---	---	---	---	---	---	---	---	---	---	---	---

Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
----------------------	---	---	---	---	---	---	---	---	---	---	---	---

Veh Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
--------------------	---	---	---	---	---	---	---	---	---	---	---	---

Alt Sequence . . . . .	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
------------------------	----	---	----	---	----	---	----	---	----	---	----	---

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Preemptors

-----  
Preemptor 1

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel  
 Don't Override Flash . . . . . Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 . . . . . Exit Max . . . . . 0  
 . . . . . Min Hold Time. . . . . 0  
 . . . . . Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	0	0.0	0.0
Track Clear . . . . .	0	0.0	0.0
Hold. . . . .		0.0	0.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .																
Exit Phases . . . . .																
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green

-----  
Preemptor 2

Active . . . . . Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . . . . Flash All Outputs . . . . . Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . . . Terminate Phases. . . . . Ped Clr Thru Yel  
 Don't Override Flash . . . . . Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . . . . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 . . . . . Exit Max . . . . . 0  
 . . . . . Min Hold Time. . . . . 0  
 . . . . . Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	0	0.0	0.0
Track Clear . . . . .	0	0.0	0.0
Hold. . . . .		0.0	0.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .																
Exit Phases . . . . .																
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green

Linked Preemptor . . . . 0  
-----

Preemptors

-----  
Preemptor 3

Active . . . . . X Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . . X Flash All Outputs X Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . . . Terminate Phases. X Ped Clr Thru Yel  
 Don't Override Flash . . . . . X Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 Exit Max . . . . . 0  
 Min Hold Time. . . . . 1  
 Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.0	1.0
Track Clear . . . . .	1	3.0	1.0
Hold. . . . .		3.0	1.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .					X			X								
Exit Phases . . . . .					X				X							
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
 Linked Preemptor . . . . . 0

-----  
Preemptor 4

Active . . . . . X Det Lock. . . . . Ped Dark . . . . .  
 Priority Preemption. . . . . Yel-Red To Grn. . . . . Ped Active . . . . .  
 Outputs Only During Hold . . . X Flash All Outputs X Zero Ped Clr Tim  
 Terminate Overlap ASAP . . . . . Terminate Phases. X Ped Clr Thru Yel  
 Don't Override Flash . . . . . X Duration Time. . . . . 0  
 Flash During Hold. . . . . Delay Time . . . . . 0  
 No CVM in Flash. . . . . Inhibit Time . . . . . 0  
 Fast Flash Grn on Hold Phase. . Min Ped Clear. . . . . 0  
 Enable Max Time. . . . . Max Time . . . . . 0  
 Exit Max . . . . . 0  
 Min Hold Time. . . . . 1  
 Hold Delay Time. . . . . 0

	Green	Yellow	Red
Minimum . . . . .	1	3.0	1.0
Track Clear . . . . .	1	3.0	1.0
Hold. . . . .		3.0	1.0

	Phase/Overlap	1	2	3	4	5	6	7	8	9	10	11	12/	A	B	C
Terminate Overlap . . . . .																
Track Clearance Phase . . . . .																
Hold Phases . . . . .				X					X							
Exit Phases . . . . .					X				X							
Exit Calls on Phase . . . . .																

Out of Flash Color for Exit Phases . . . . Green  
 Linked Preemptor . . . . . 0



Bus Preemptors

---

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----  
Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . NO If NO, then week containing

Disable Daylight Savings Time . . . . . NO

Daylight Savings  
Begins Last Sunday in March . . . . . NO If NO, then Second Sunday a



Holiday Programs

---

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

NIC Program Steps

---

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0600	1	NO
3	1	0645	2	NO
4	1	0730	5	NO
5	1	0815	3	NO
6	1	1600	7	NO
7	1	1845	4	NO
8	1	1915	1	NO
9	1	2100	0	NO
10	2	0000	0	NO
11	2	0800	1	NO
12	2	0900	3	NO
13	2	1200	4	NO
14	2	1330	3	NO
15	2	1930	1	NO
16	2	2100	0	NO
17	3	0000	0	NO
18	3	0900	1	NO
19	3	1000	4	NO
20	3	1900	1	NO
21	3	2000	0	NO

TOD Program Steps

```
-----
Step 1          Program 1          Step Begins    2200

Flash. . . . . X          Dimming Enable. . . . .
Red Rest . . . . . .      Alt Veh Extension . . . .
Spare 5. . . . . .        Det Log Enable. . . . . X
Spare 3. . . . . .        Spare 4 . . . . . .
Type 0 Dly Enable. . . .   Spare 2 . . . . . .
Det Diag Plan. . . . . 0
```

```

Phase Number
1  2  3  4  5  6  7  8  9  10 11
Max 2 Enable . . . . . . . . . . . . . . . . . .
Max 3 Enable . . . . . . . . . . . . . . . . . .
Veh Recall . . . . . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . . . . . .
Cond Service Inhibit. . . . . . . . . . . . . .
Phase Omit . . . . . . . . . . . . . . . . . .
Special Function . . . . . . . . . . . . . . . .

A  B  C  D  E  F
Alt Sequence . . . . . . . . . . . . . . . .
-----
```

```
Step 2          Program 1          Step Begins    0000

Flash. . . . . X          Dimming Enable. . . . .
Red Rest . . . . . .      Alt Veh Extension . . . .
Spare 5. . . . . .        Det Log Enable. . . . . X
Spare 3. . . . . .        Spare 4 . . . . . .
Type 0 Dly Enable. . . .   Spare 2 . . . . . .
Det Diag Plan. . . . . 0
```

```

Phase Number
1  2  3  4  5  6  7  8  9  10 11
Max 2 Enable . . . . . . . . . . . . . . . . . .
Max 3 Enable . . . . . . . . . . . . . . . . . .
Veh Recall . . . . . . . . . . . . . . . . . .
Veh Max Recall . . . . . . . . . . . . . . . . .
Ped Recall . . . . . . . . . . . . . . . . . .
Cond Service Inhibit. . . . . . . . . . . . . .
Phase Omit . . . . . . . . . . . . . . . . . .
Special Function . . . . . . . . . . . . . . . .

A  B  C  D  E  F
Alt Sequence . . . . . . . . . . . . . . . .
-----
```















Ring 1		1	2		4	3		.	.	.	.	.	.	.	.	.	.	.
Ring 2		5	6		8	7		.	.	.	.	.	.	.	.	.	.	.
Sequence 12																		
Ring 1		2	1		4	3		.	.	.	.	.	.	.	.	.	.	.
Ring 2		5	6		8	7		.	.	.	.	.	.	.	.	.	.	.
Sequence 13																		
Ring 1		1	2		3	4		.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.
Sequence 14																		
Ring 1		2	1		3	4		.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.
Sequence 15																		
Ring 1		1	2		4	3		.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.
Sequence 16																		
Ring 1		2	1		4	3		.	.	.	.	.	.	.	.	.	.	.
Ring 2		6	5		8	7		.	.	.	.	.	.	.	.	.	.	.

Phases In Use / Exclusive PED (MM)1-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Phases in Use		X		X		X		X								
Exclusive PED																

Phase Compatibility (MM)1-1-2

Phase	Compatible Phase
n/a	Barrier Mode

Phase and Overlap Descriptions

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Overlap	A	B	C	D	E	F	G	H	I	J	L	K	L	M	N	O
Description																

**Administration (MM)1-7-1**

Enable CU/Cabinet Interlock  
CRC No

Request Download  
Controller Data No

Controller Database CRC 0000

Enable Automatic Backup to Datakey Yes

Backup Prevent (MM)1-1-3

Phases	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Timing /</b>	<b>1</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Backup</b>	<b>2</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>3</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>4</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>5</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>6</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>7</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>8</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>9</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>10</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>11</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>12</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>13</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>14</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>15</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>16</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Simultaneous Gap (MM)1-1-4

Phases	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	<b>1</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>2</b>	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
	<b>3</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>4</b>	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
	<b>5</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phase	<b>6</b>	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
Must	<b>7</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gap	<b>8</b>	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
With	<b>9</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Phase	<b>10</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>11</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>12</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>13</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>14</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>15</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>16</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	<b>Disable</b>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Load Switch Assignments (MMU Channel) (MM)1-3

Phase / Type

Dimming

Power Up

Auto

Flash

Overlap			Red	Yellow	Green	Dark	Auto	Red	Yellow	Dark	Red	Yellow	Together
1	1	V				+	X				X		X
2	2	V				+	X				X		X
3	3	V				+	X				X		
4	4	V				+	X				X		
5	5	V				-	X				X		X
6	6	V				-	X				X		X
7	7	V				-	X				X		
8	8	V				-	X				X		
9	2	P				+	X						
10	4	P				+	X						
11	6	P				-	X						
12	8	P				-	X						
13	1	O				+	X				X		
14	2	O				-	X				X		X
15	3	O				+	X				X		
16	4	O				-	X				X		X

Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Configuration Port 1 (SDLC)**

**SDLC Options (MM)1-4-1**

BIU	1	2	3	4	5	6	7	8
Term and Facility Enable								
Detector Rack Enable		X						

Enable TS2/MMU Type Cabinet: No  
 Enable MMU Extended Status: No  
 Enable SDLC Stop Time: No  
 Enable 3 Critical RFE's Lockup: No

**MMU Program (MM)1-4-2**

Channel Can Serve with  
 Channel  
 Channel 1 Channel 2

**Color Check Enable (MM)1-4-3**

Enable Color Check: No

MMU Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Green	X	X	X	X	X	X	X	X	X	X	X	X				
Yellow	X	X	X	X	X	X	X	X								
Red		X		X		X		X	X	X	X	X				

**Secondary To Secondary Addressing (MM)1-4-4**

ID	1	2	3	4	5	6	7	8	MMU
Term and Facility Enable									

ID	1	2	3	4	5	6	7	8	Diag
Detector Rack Enable									

Diagonstics (Test Fixture) Enable: No

Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

## Configuration Communications

### Ethernet Port Configuration (MM)1-5-1 NTCIP Parameters (MM)1-5-5

Controller IP:	10.70.10.51	Backup Time:	0
Subnet Mask:	255.255.255.0	UDP Port:	501
Default Gateway IP:	0.0.0.0	Ethernet Priority:	1
Server IP:	10.70.10.1	Port 2 Priority:	4
		Port 3A Priority:	2
		Port 3B Priority:	3

### Port Configuration (MM)1-5-2 to 1-5-4

Port	2 (C50S)	3A (C21S)	3B (C22S)
Protocol	ECPIP	NTCIP	ECPIP
Enable	Yes	Yes	No
Data Rate	9600	9600	1200
Data Parity Stop	8 N 1	8 N 1	8 0 1
Modem Setup String	None	None	None
User String			
Comm Port Address	6	1	6
System Detector 9-1	0	0	0
Telemetry Response Delay	15.0	1.0	0.0
Duplex Half/Full	Full	Full	Full
Flow Control	No	No	Yes
AB3418 NTCIP Group Address	0	0	0
AB3418 NTCIP Single Flag Enable	Yes	Yes	Yes
RTS to CTS Delay	0.0	0.0	3.0
RTS Turn Off Delay	0.0	0.0	2.0
Droupout Time	10	10	300
Early RTS	No	No	No
Telemetry Mode	FSK	FSK	FSK
Rail Road	0	0	0
Rail Road Line	0	0	0
ATCS Group	0	0	0
Wayside Device	0	0	0
ATCS Device	0	0	0
Wayside SubNode	0	0	0
ATCS SubNode	0	0	0

## ECPIP Parameters (MM)1-5-6

Controller Address: 6

Expanded System Detector Address: 0

### Local System Detector

Local System Detector	Number
1	29
2	30
3	31
4	32

Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

### Configuration Logging/Display

#### Event Logging (MM)1-6-1

Critical RFE's	Yes	3 Critical RFE's in 24 Hours	Yes
MMU Flash Faults	Yes	Local Flash Faults	Yes
Non-Critical RFE's (Det/Test)	Yes	Detector Errors	Yes
Coordination Errors	Yes	Controller Download	Yes
Preempt	Yes	TSP	Yes
Power On/Off	Yes	Low Battery	Yes
Access	Yes	Data Change	Yes
Online/Offline	Yes		

Alarm Log	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Enable Logging	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

#### Display Options (MM)1-7-2

Key Click Enable:	Yes
Backlight Enable:	Yes
LED Mode:	Auto
Main Status Display Mode:	Basic
Screen Format:	Advanced
Trans Mode Pop-up Disable:	No

#### Sign On (MM)8-5

Sign On Message Line 1: Solutions that Move the World

Sign On Message Line 2:





Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Controller Overlaps**

Overlap	Type	Vehicle Overlaps (MM)2-2			
		Lag Green	Yellow	Red	Advance Green

Overlap	Phase	Included	Protect	Phases		Modifier	Lag X Phase	Lag 2 Phase	Flash Green
				Ped Protect	Not Overlap				

PPLT FYA

Overlap	Protected Phase	Permissive Phase	Flash Arrow Output	Flash Arrow Channel	FYA Delay	FYA Clearance	Special Function Disable
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Guaranteed Minimum Time Data (MM) 2-4

Phase	Phase Time Data					
	Min Green	Walk	Ped Clear	Yellow	Red Clear	Overlap Green
A01	0	0	0	3.0	0.0	0
B02	0	0	7	3.0	0.0	0
C03	0	0	0	3.0	0.0	0
D04	0	0	7	3.0	0.0	0
E05	0	0	0	3.0	0.0	0
F06	0	0	7	3.0	0.0	0
G07	0	0	0	3.0	0.0	0
H08	0	0	7	3.0	0.0	0
I09	0	0	0	3.0	0.0	0
J10	0	0	0	3.0	0.0	0
K11	0	0	0	3.0	0.0	0
L12	0	0	0	3.0	0.0	0
M13	0	0	0	3.0	0.0	0
N14	0	0	0	3.0	0.0	0
O15	0	0	0	3.0	0.0	0
P16	0	0	0	3.0	0.0	0

Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Controller Pedestrian Overlaps**

Pedestrian Overlaps (MM) 2-3

Included Phase Ped Overlap

Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Controller Start/Fash (MM) 2-5**

**Startup**

Phase	Phase Setting
2	G
6	G

Overlap

A  
B  
C  
D

Flash > Mon:	Yes
Flash Time:	0
All Red:	0
Power Start Sequence:	1
MUTCD Enabled:	No
MUTCD Yellow to Green:	n/a

**Automatic Flash**

Entry Phase

4  
8

Exit Phase

2  
6

Overlap Exit

A  
B  
C  
D

Flash > Mon:	Yes
Exit Flash Interval:	W
Minimum Auto Flash:	0

Minimum Recall: No

Cycle Through Phase: No





Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Coordination Options**

**Coordination Options (MM)3-1**

Manual Pattern	Auto	ECPI Coord	Yes
System Source	SYS	System Format	STD
Splits In	Percent	Offsets In	Percent
Transition	Smooth	Max Select	MAXINH
Dwell/Add Time	0		
Delay Coord Walk to LZ	No	Force Off	Float
Offset Reference	Yellow	Use Ped Time	Yes
Ped Recall	No	Ped Reservice	No
Local Zero Override	No	FO Added Initial Green	No
Re-Sync Count	0	Multisync	No

**Auto Perm Minimum Green (Seconds) (MM)3-4**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Minimum Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Split Demand (MM)3-5**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Demand 1																
Demand 2																

Demand	1	2
Detector	0	0
Call Time (Sec)	0	0
Cycle Count	0	0



**Pattern - 2**

Split Pattern	2	TS2 (Pat-Off)	0-2	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	98%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 2)	0	69	0	31	0	69	0	31	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	0	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 3**

Split Pattern	3	TS2 (Pat-Off)	0-3	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	94%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 4**

Split Pattern	4	TS2 (Pat-Off)	1-1	Splits in	Percent
Cycle	105	Std (COS)	0	Offsets in	Percent
Offset Value	7%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 4)	0	67	0	33	0	67	0	33	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	0	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 5**

Split Pattern	5	TS2 (Pat-Off)	1-2	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	2%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		



**Pattern - 6**

Split Pattern	6	TS2 (Pat-Off)	1-3	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	10%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		
Phase Reservice	No	Action Plan	0		
Max Select	None	Force Off	None		

**Split Preference Phases**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Description																
Splits (Split Pat 6)	0	70	0	30	0	70	0	30	0	0	0	0	0	0	0	0
Preference 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Preference 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ring	1	2	3	4
Ring Split Ext	0	0	0	0
Ring Disp.	-	0	0	0
Split Sum	100%	100%	0%	0%

**Misc. Data**

Veh. Permissive 1	0	Veh. Permissive 2	0	Veh. Permissive 2 Disp.	0
Split Demand Pat 1	0	Split Demand Pat 2	0	Crossing Arterial Pat	0

**Split Pattern Data**

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coordinated Phases		X				X										
Vehicle Recalls																
Ped Recalls																
Max Recalls																
Phase Omit									X	X	X	X	X	X	X	X
Special Function Output																

**Pattern - 7**

Split Pattern	7	TS2 (Pat-Off)	2-1	Splits in	Percent
Cycle	125	Std (COS)	0	Offsets in	Percent
Offset Value	76%	Dwell/Add Time	0		
Actuated Coord	Yes	Timing Plan	0		
Actuated Walk Rest	Yes	Sequence	0		





Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Time Base Clock/Calendar**

Clock/Calendar Options (MM)5-1

Enable Action Plan: 0  
Sync Reference Time: 12:00 AM  
Sync Reference: Reference Time  
Day Light Savings: USDLS  
Time Reset Input Set Time: 3:30:00  
Standard Time From GMT: -5

Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Time Base Action Plan  
Action Plan (MM)5-2**

**Action Plan - 1**

Pattern	1	Override System	No													
Timing Plan	0	Sequence	0													
Veh Det Plan	0	Detector Log	15													
Flash	No	Red Rest	No													
Veh Det Diag Plan	0	Ped Det Diag Plan	0													
Diming Enable	No	Veh Priority Return	No													
Ped Priority Return	No	Queue Delay	No													
Preempt Cond Delay	No															
Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ped Recall																
Walk 2																
Veh Ext 2																
Veh Recall																
Max Recall																
Max 2																
Max 3																
CS Inhibit																
Omit																
Special Function																
Auxilliary Function																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
LP 91-100	E	E	E	E	E	E	E	E	E	E						

**Action Plan - 2**

Pattern	2	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
FunctionAuxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 3**

Pattern	3	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 4**

Pattern	4	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 5**

Pattern	5	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 6**

Pattern	6	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
FunctionAuxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 7**

Pattern	7	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 11**

Pattern	1	Override System	Yes
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall  
 Walk 2  
 Veh Ext 2  
 Veh Recall  
 Max Recall  
 Max 2  
 Max 3  
 CS Inhibit  
 Omit  
 Special  
 Function  
 Auxilliary  
 Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 12**

Pattern	2	Override System	Yes
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 13**

Pattern	3	Override System	Yes
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall  
Walk 2  
Veh Ext 2  
Veh Recall  
Max Recall  
Max 2  
Max 3  
CS Inhibit  
Omit  
Special  
Function  
Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 14**

Pattern	4	Override System	Yes
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 99**

Pattern	Auto	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	Yes	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No
Preempt Cond Delay	No		

Phase            1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special  
Function

Auxilliary  
Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

**Action Plan - 100**

Pattern	254 - FREE	Override System	No
Timing Plan	0	Sequence	0
Veh Det Plan	0	Detector Log	15
Flash	No	Red Rest	No
Veh Det Diag Plan	0	Ped Det Diag Plan	0
Diming Enable	No	Veh Priority Return	No
Ped Priority Return	No	Queue Delay	No

Preempt Cond Delay No

Phase            1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16

Ped Recall

Walk 2

Veh Ext 2

Veh Recall

Max Recall

Max 2

Max 3

CS Inhibit

Omit

Special

Function

Auxilliary

Function

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LP 1-15	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 16-30	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 31-45	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 46-60	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 61-75	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 76-90	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
LP 91-100	E	E	E	E	E	E	E	E	E	E					

Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Time Base Day Plan/Schedule**  
**Day Plan (MM)5-3**

**Day Plan - 1**

Event	Action Plan	Start Time
1	100	12:00 AM
2	1	6:00 AM
3	2	6:45 AM
4	5	7:30 AM
5	3	8:15 AM
6	7	4:00 PM
7	4	6:45 PM
8	1	9:00 PM
9	100	7:30 PM

**Day Plan - 2**

Event	Action Plan	Start Time
1	100	12:00 AM
2	1	8:00 AM
3	3	9:00 AM
4	4	12:00 PM
5	3	1:30 PM
6	1	7:30 PM
7	100	9:00 PM

### Day Plan - 3

Event	Action Plan	Start Time
1	100	12:00 AM
2	1	9:00 AM
3	4	10:00 AM
4	1	7:00 PM
5	100	8:00 PM

**Schedule (MM)5-4**

**Schedule Number - 1**

Day Plan Number: 1

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	X	X	X	X	X	X	X	X	X	X	X	X

Day of Week	Sun	Mon	Tue	Wed	Thur	Fri	Sat
		X	X	X	X	X	

Day of Month	1	2	3	4	5	6	7	8	9	10	11
	X	X	X	X	X	X	X	X	X	X	X
	12	13	14	15	16	17	18	19	20	21	22
	X	X	X	X	X	X	X	X	X	X	X
	23	24	25	26	27	28	29	30	31		
	X	X	X	X	X	X	X	X	X		

**Schedule Number - 2**

Day Plan Number: 2

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	X	X	X	X	X	X	X	X	X	X	X	X

Day of Week	Sun	Mon	Tue	Wed	Thur	Fri	Sat
							X

Day of Month	1	2	3	4	5	6	7	8	9	10	11
	X	X	X	X	X	X	X	X	X	X	X
	12	13	14	15	16	17	18	19	20	21	22
	X	X	X	X	X	X	X	X	X	X	X
	23	24	25	26	27	28	29	30	31		
	X	X	X	X	X	X	X	X	X		

**Schedule Number - 3**

Day Plan Number: 3



Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Detectors**

**Detectors Page 1**

Vehicle Plan	Detector Number	Vehicle Detectors Setup (MM)6-1 Called	Type
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Vehicle Detector Setup (MM)6-2 continued

Detector Number	Type	TS2 Detector	Detector Description
1	N-NTCIP	No	
2	N-NTCIP	No	
3	N-NTCIP	No	
4	N-NTCIP	No	
5	N-NTCIP	No	
6	N-NTCIP	No	
7	N-NTCIP	No	
8	N-NTCIP	No	
9	N-NTCIP	No	
10	N-NTCIP	No	
11	N-NTCIP	No	
12	N-NTCIP	No	
13	N-NTCIP	No	
14	N-NTCIP	No	
15	N-NTCIP	No	
16	N-NTCIP	No	
17	N-NTCIP	No	
18	N-NTCIP	No	
19	N-NTCIP	No	
20	N-NTCIP	No	
21	N-NTCIP	No	
22	N-NTCIP	No	
23	N-NTCIP	No	
24	N-NTCIP	No	
25	N-NTCIP	No	
26	N-NTCIP	No	
27	N-NTCIP	No	
28	N-NTCIP	No	
29	N-NTCIP	No	

30	N-NTCIP	No
31	N-NTCIP	No
32	N-NTCIP	No
33	N-NTCIP	No
34	N-NTCIP	No
35	N-NTCIP	No
36	N-NTCIP	No
37	N-NTCIP	No
38	N-NTCIP	No
39	N-NTCIP	No
40	N-NTCIP	No
41	N-NTCIP	No
42	N-NTCIP	No
43	N-NTCIP	No
44	N-NTCIP	No
45	N-NTCIP	No
46	N-NTCIP	No
47	N-NTCIP	No
48	N-NTCIP	No
49	N-NTCIP	No
50	N-NTCIP	No
51	N-NTCIP	No
52	N-NTCIP	No
53	N-NTCIP	No
54	N-NTCIP	No
55	N-NTCIP	No
56	N-NTCIP	No
57	N-NTCIP	No
58	N-NTCIP	No
59	N-NTCIP	No
60	N-NTCIP	No
61	N-NTCIP	No
62	N-NTCIP	No
63	N-NTCIP	No
64	N-NTCIP	No

Vehicle Detector Setup (MM)6-2 continued

Det Num	Veh Det Plan	Phase	ECPI Log	Call Option	Delay Time	Ext Option	Extend Time / Passage Time	Queue Lim / Discon. Time	Use Added Initial	Cross Switch Phase	Lock In	NTCIP Vol.	NTCIP Occ.	Pmt Queue Delay
1	1	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

1	2	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	3	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
1	4	1	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	1	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	2	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	3	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
2	4	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	1	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	2	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	3	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
3	4	3	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	1	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	2	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	3	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
4	4	4	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	1	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	2	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	3	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
5	4	5	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	1	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	2	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	3	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
6	4	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	1	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	2	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	3	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
7	4	7	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	1	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	2	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	3	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
8	4	8	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	2	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	3	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
9	4	9	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	2	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	3	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
10	4	10	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	2	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
11	3	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

11	4	11	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	2	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	3	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
12	4	12	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	2	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	3	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
13	4	13	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	2	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	3	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
14	4	14	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	2	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	3	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
15	4	15	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	2	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	3	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
16	4	16	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
17	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
18	1	2	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
19	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
20	1	4	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
21	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
22	1	6	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
23	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
24	1	8	No	Yes	5.0	Passage	0.0	0	No	0	None	No	No	No
25	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
26	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
27	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
28	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
29	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	Yes	Yes	No
30	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	Yes	Yes	No
31	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	Yes	Yes	No
32	1	16	Yes	Yes	0.0	Passage	0.0	0	No	0	None	Yes	Yes	No
33	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
34	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
35	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
36	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
37	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

38	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
39	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
40	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
41	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
42	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
43	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
44	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
45	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
46	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
47	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
48	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
49	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
50	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
51	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
52	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
53	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
54	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
55	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
56	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
57	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
58	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
59	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
60	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
61	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
62	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
63	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No
64	1	0	No	Yes	0.0	Passage	0.0	0	No	0	None	No	No	No

Ped Detector Options (MM)6-3

Phase Ped Detector (NTCIP)

Local Ped Detector	Number
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

10	10
11	11
12	12
13	13
14	14
15	15
16	16

Darrow Rd. SR 91 / SR 303 - SR 91 & Prospect

**Detectors**

**Detectors Page 2**

Log - Speed Detector Setup (MM)6-4

NTCIP Log      ECPI Log Period:    Length Unit:  
 Period: 0      TBAP                      Inch

Speed Detector	Local Detector	One/Two Detector	Vehicle Length	Trap Length	Enable Log
1	0	1	0	0	No
2	0	1	0	0	No
3	0	1	0	0	No
4	0	1	0	0	No
5	0	1	0	0	No
6	0	1	0	0	No
7	0	1	0	0	No
8	0	1	0	0	No
9	0	1	0	0	No
10	0	1	0	0	No
11	0	1	0	0	No
12	0	1	0	0	No
13	0	1	0	0	No
14	0	1	0	0	No
15	0	1	0	0	No
16	0	1	0	0	No

Vehicle Detector Diagnostics (MM)6-5

Plan	Detector	Counts	Act	Pres	Multiplier	Failed Time	Failed Call Delay
1	1	0	0	0	1	255	0
1	2	0	0	0	1	255	0
1	3	0	0	0	1	255	0
1	4	0	0	0	1	255	0
1	5	0	0	0	1	255	0
1	6	0	0	0	1	255	0
1	7	0	0	0	1	255	0
1	8	0	0	0	1	255	0
1	9	0	0	0	1	255	0

1	10	0	0	0	1	255	0
1	11	0	0	0	1	255	0
1	12	0	0	0	1	255	0
1	13	0	0	0	1	255	0
1	14	0	0	0	1	255	0
1	15	0	0	0	1	255	0
1	16	0	0	0	1	255	0
1	17	0	0	0	1	255	0
1	18	0	0	0	1	255	0
1	19	0	0	0	1	255	0
1	20	0	0	0	1	255	0
1	21	0	0	0	1	255	0
1	22	0	0	0	1	255	0
1	23	0	0	0	1	255	0
1	24	0	0	0	1	255	0
1	25	0	0	0	1	255	0
1	26	0	0	0	1	255	0
1	27	0	0	0	1	255	0
1	28	0	0	0	1	255	0
1	29	0	0	0	1	255	0
1	30	0	0	0	1	255	0
1	31	0	0	0	1	255	0
1	32	0	0	0	1	255	0
1	33	0	0	0	1	255	0
1	34	0	0	0	1	255	0
1	35	0	0	0	1	255	0
1	36	0	0	0	1	255	0
1	37	0	0	0	1	255	0
1	38	0	0	0	1	255	0
1	39	0	0	0	1	255	0
1	40	0	0	0	1	255	0
1	41	0	0	0	1	255	0
1	42	0	0	0	1	255	0
1	43	0	0	0	1	255	0
1	44	0	0	0	1	255	0
1	45	0	0	0	1	255	0
1	46	0	0	0	1	255	0
1	47	0	0	0	1	255	0
1	48	0	0	0	1	255	0
1	49	0	0	0	1	255	0
1	50	0	0	0	1	255	0
1	51	0	0	0	1	255	0

1	52	0	0	0	1	255	0
1	53	0	0	0	1	255	0
1	54	0	0	0	1	255	0
1	55	0	0	0	1	255	0
1	56	0	0	0	1	255	0
1	57	0	0	0	1	255	0
1	58	0	0	0	1	255	0
1	59	0	0	0	1	255	0
1	60	0	0	0	1	255	0
1	61	0	0	0	1	255	0
1	62	0	0	0	1	255	0
1	63	0	0	0	1	255	0
1	64	0	0	0	1	255	0

Pedestrian Detector Diagnostics (MM)6-6

Plan	Detector	Counts	Act	Pres	Multiplier
------	----------	--------	-----	------	------------

**Zone #3**  
**W. Streetsboro Road**

Configuration

	Controller Sequence Priority										
	1	2	3	4	5	6	7	8	9	10	11
Ring 1 Phases . . .	1	2	4	8	9	10	0	0	0	0	0
Ring 2 Phases . . .	5	6	0	0	11	12	0	0	0	0	0

	Phase										
	1	2	3	4	5	6	7	8	9	10	11
In Use . . . . .	X	X	.	X	X	X	.	X	.	.	.
Exclusive Ped . . .	.	.	.	.	.	.	.	.	.	.	.
Direction . . . . .											

	Overlap			
	A	B	C	D
Direction . . . . .				

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch (MMU) Channel	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	3	.
4 . . . . .	4	.
5 . . . . .	5	.
6 . . . . .	6	.
7 . . . . .	7	.
8 . . . . .	8	.
9 . . . . .	2	X
10 . . . . .	4	X
11 . . . . .	6	X
12 . . . . .	8	X
13 . . . . .	A	.
14 . . . . .	B	.
15 . . . . .	C	.
16 . . . . .	D	.

Configuration Continued

-----  
Enable BIU: 1 2 3 4 5 6 7 8  
Terminal/Facilities. . . . . . . . . . .  
Detector Rack. . . . . . . . . . .

Type 2 Runs as Type 1. . . . .  
MMU Disable. . . . . X  
Diagnostic Enable. . . . .  
Peer-Peer Comm Enable. . . . .

Peer To Peer Addresses . . . . . 1 2 3 4 5 6 7 8 9 1  
255 255 255 255 255 255 255 255 255 25

Port 2:

Port 2 Protocol . . . . . Terminal  
Port 2 Enable . . . . . NO  
AB3418 Address. . . . . 0  
AB3418 Group Address. . . . . 0  
AB3418 Response Delay . . . . . 0  
AB3418 Single Flag Enable . . . . . NO  
AB3418 Drop-Out Time. . . . . 0  
AB3418 TOD SF Select. . . . . 0  
Data Rate . . . . . 1200 bps  
Data, Parity, Stop. . . . . 8, 0, 1

Port 3:

Port 3 Protocol . . . . . Telemetry  
Port 3 Enable . . . . . YES  
Telemetry Address . . . . . 1  
System Detector 9-16 Address. . . . . 0  
Telemetry Response Delay. . . . . 8000  
AB3418 Address. . . . . 0  
AB3418 Group Address. . . . . 0  
AB3418 Response Delay . . . . . 0  
AB3418 Single Flag Enable . . . . . NO  
AB3418 Drop-Out Time. . . . . 0  
AB3418 TOD SF Select. . . . . 0  
Duplex. . . . . Full  
Data Rate . . . . . 1200 bps  
Data, Parity, Stop. . . . . 8, 0, 1

Configuration Continued

Event Enabling	Alarm Enabling
Critical RFE'S (MMU/TF) . . . . . X	ALARM 1 . . . . . X
Non-Critical RFE'S (DET/TEST) . . . X	ALARM 2 . . . . . X
Detector Errors . . . . . X	ALARM 3 . . . . . .
Coordination Errors . . . . . X	ALARM 4 . . . . . .
MMU Flash Faults . . . . . X	ALARM 5 . . . . . .
Local Flash Faults . . . . . X	ALARM 6 . . . . . .
Preempt . . . . . X	ALARM 7 . . . . . .
Power On/Off . . . . . X	ALARM 8 . . . . . .
Low Battery . . . . . X	ALARM 9 . . . . . .
	ALARM 10 . . . . . .
	ALARM 11 . . . . . .
	ALARM 12 . . . . . .
	ALARM 13 . . . . . .
	ALARM 14 . . . . . .
	ALARM 15 . . . . . .
	ALARM 16 . . . . . .

Supervisor Access Code . . . \*\*\*\*  
 Data Change Access Code . . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:		
Software Assy.	Part No.	Version
Boot	27831	2.83
Program	45561	8.0
Application		. 3
Help	27891	6.43
Configuration	27918	C000





Ped Carryover

---

Ped Start Phase

Carry Over Phase

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0



Overlap Data

-----

Overlap A	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard		.	.	.	.	.	.	.	.	.	.	.	.
Protected		.	.	.	.	.	.	.	.	.	.	.	.
Permitted		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead		.	.	.	.	.	.	.	.	.	.	.	.
Spare		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer					0.0								
Lag/Lead Timers					Green 0.0		Yellow 0.0		Red 0.0				

Overlap B	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard		.	.	.	.	.	.	.	.	.	.	.	.
Protected		.	.	.	.	.	.	.	.	.	.	.	.
Permitted		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead		.	.	.	.	.	.	.	.	.	.	.	.
Spare		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer					0.0								
Lag/Lead Timers					Green 0.0		Yellow 0.0		Red 0.0				

Overlap C	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard		.	.	.	.	.	.	.	.	.	.	.	.
Protected		.	.	.	.	.	.	.	.	.	.	.	.
Permitted		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead		.	.	.	.	.	.	.	.	.	.	.	.
Spare		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer					0.0								
Lag/Lead Timers					Green 0.0		Yellow 0.0		Red 0.0				

Overlap D	Phase:	1	2	3	4	5	6	7	8	9	10	11	12
Standard		.	.	.	.	.	.	.	.	.	.	.	.
Protected		.	.	.	.	.	.	.	.	.	.	.	.
Permitted		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lag		.	.	.	.	.	.	.	.	.	.	.	.
Enable Lead		.	.	.	.	.	.	.	.	.	.	.	.
Spare		.	.	.	.	.	.	.	.	.	.	.	.
Advance Green Timer					0.0								
Lag/Lead Timers					Green 0.0		Yellow 0.0		Red 0.0				

Power Start, Remote Flash

-----

	Phase												Overlap			
	1	2	3	4	5	6	7	8	9	10	11	12	A	B	C	D
Power Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.
External Start . . . . .	.	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.
Into Remote Flash . . . . .	.	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.
Exit Remote Flash . . . . .	.	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.
Remote Flash Yellow . . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	.	.	.

Initialization Interval:  
 Power Start . . . . . Green  
 External Start . . . . . Green

Power Start All Red Time . . . . . 0  
 Power Start Flash Time . . . . . 0

Remote Flash Options:

Out of Flash Yellow . . . . . NO  
 Out of Flash All Red . . . . . NO  
 Minimum Recall . . . . . NO  
 Alternate Flash . . . . . NO  
 Flash Thru Load Switches . . . . . NO  
 Cycle Through Phases . . . . . NO

Option Data

-----

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	X	.	.	.	X	.	.	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Dual Entry . . . . .	.	X	.	X	.	X	.	X	.	X	.	X
Conditional Service . . . . .	X	.	X	.	X	.	X	.	X	.	X	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	X	.	.	.	X	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry . . . . .	ON	Backup Protection Group 1 . . . . .	ON
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .	ON
Ped Clearance Protection . . . . .	OFF	Backup Protection Group 3 . . . . .	OFF
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1 . . . . .	ON
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2 . . . . .	OFF
Lock Detectors in Red Only . . . . .	ON	Simultaneous Gap Group 3 . . . . .	OFF

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

Det.	Locking	Log	Timers		Don't Reset	Type
	Memory	Enable	Extend	Delay	Extend	
1	NO	NO	0.0	0	.	0 - Normal
2	NO	NO	0.0	0	.	0 - Normal
3	NO	NO	0.0	0	.	0 - Normal
4	NO	NO	0.0	0	.	0 - Normal
5	NO	NO	0.0	0	.	0 - Normal
6	NO	NO	0.0	0	.	0 - Normal
7	NO	NO	0.0	0	.	0 - Normal
8	NO	NO	0.0	0	.	0 - Normal
9	NO	NO	0.0	0	.	0 - Normal
10	NO	NO	0.0	0	.	0 - Normal
11	NO	NO	0.0	0	.	0 - Normal
12	NO	NO	0.0	0	.	0 - Normal
13	NO	NO	0.0	0	.	0 - Normal
14	NO	NO	0.0	0	.	0 - Normal
15	NO	NO	0.0	0	.	0 - Normal
16	NO	NO	0.0	0	.	0 - Normal
17	NO	YES	0.0	0	.	0 - Normal
18	NO	YES	0.0	0	.	0 - Normal
19	NO	YES	0.0	0	.	0 - Normal
20	NO	YES	0.0	0	.	0 - Normal
21	NO	YES	0.0	0	.	0 - Normal
22	NO	YES	0.0	0	.	0 - Normal
23	NO	NO	0.0	0	.	0 - Normal
24	NO	NO	0.0	0	.	0 - Normal
25	NO	NO	0.0	0	.	0 - Normal
26	NO	NO	0.0	0	.	0 - Normal
27	NO	NO	0.0	0	.	0 - Normal
28	NO	NO	0.0	0	.	0 - Normal
29	NO	NO	0.0	0	.	0 - Normal
30	NO	NO	0.0	0	.	0 - Normal
31	NO	NO	0.0	0	.	0 - Normal
32	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

33	NO	NO	0.0	0	.	0 - Normal
34	NO	NO	0.0	0	.	0 - Normal
35	NO	NO	0.0	0	.	0 - Normal
36	NO	NO	0.0	0	.	0 - Normal
37	NO	NO	0.0	0	.	0 - Normal
38	NO	NO	0.0	0	.	0 - Normal
39	NO	NO	0.0	0	.	0 - Normal
40	NO	NO	0.0	0	.	0 - Normal
41	NO	NO	0.0	0	.	0 - Normal
42	NO	NO	0.0	0	.	0 - Normal
43	NO	NO	0.0	0	.	0 - Normal
44	NO	NO	0.0	0	.	0 - Normal
45	NO	NO	0.0	0	.	0 - Normal
46	NO	NO	0.0	0	.	0 - Normal
47	NO	NO	0.0	0	.	0 - Normal
48	NO	NO	0.0	0	.	0 - Normal
49	NO	NO	0.0	0	.	0 - Normal
50	NO	NO	0.0	0	.	0 - Normal
51	NO	NO	0.0	0	.	0 - Normal
52	NO	NO	0.0	0	.	0 - Normal
53	NO	NO	0.0	0	.	0 - Normal
54	NO	NO	0.0	0	.	0 - Normal
55	NO	NO	0.0	0	.	0 - Normal
56	NO	NO	0.0	0	.	0 - Normal
57	NO	NO	0.0	0	.	0 - Normal
58	NO	NO	0.0	0	.	0 - Normal
59	NO	NO	0.0	0	.	0 - Normal
60	NO	NO	0.0	0	.	0 - Normal
61	NO	NO	0.0	0	.	0 - Normal
62	NO	NO	0.0	0	.	0 - Normal
63	NO	NO	0.0	0	.	0 - Normal
64	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 33: Detector 33	Det 49: Detector 49
Det 34: Detector 34	Det 50: Detector 50
Det 35: Detector 35	Det 51: Detector 51
Det 36: Detector 36	Det 52: Detector 52
Det 37: Detector 37	Det 53: Detector 53
Det 38: Detector 38	Det 54: Detector 54
Det 39: Detector 39	Det 55: Detector 55
Det 40: Detector 40	Det 56: Detector 56
Det 41: Detector 41	Det 57: Detector 57
Det 42: Detector 42	Det 58: Detector 58
Det 43: Detector 43	Det 59: Detector 59
Det 44: Detector 44	Det 60: Detector 60
Det 45: Detector 45	Det 61: Detector 61
Det 46: Detector 46	Det 62: Detector 62
Det 47: Detector 47	Det 63: Detector 63
Det 48: Detector 48	Det 64: Detector 64







Ped/SD Local Assign,Log Interval

-----

	Phase Ped Detector											
	1	2	3	4	5	6	7	8	9	10	11	12
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	12

	*Local System Detector No.															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Is Local Detector No. . .	17	18	19	20	21	22	0	0	0	0	0	0	0	0	0	0

Detector Log Interval . . 15

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

Plan	Detector														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan	Detector														
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data

Diagnostic Plans/Fail Action

Plan	Detector															
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Plan	Detector															
	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data



Detector Diagnostic Intervals

-----

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Count
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

-----

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

-----

Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                      OffsetUnits . . . . . Percent

Interconnect Format . STD                              Interconnect Source . TLM

Transition. . . . . SMOOTH                              Dwell Period. . . . . 0

Resync Count. . . . . 0

Actuated Coord Phase . . . . . Actuated Walk Rest . . . . .

Inhibit Max Timing . . . . . X Max 2 Select . . . . .

Floating Force Off . . . . . X Multisync. . . . .

				Phase											
Split Demand:	Call	Time	Cyc Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . . . . .	0		0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . . . . .	0		0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase											
	1	2	3	4	5	6	7	8	9	10	11	1			
Auto Permissive Min Green . . . . .	0	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . . . . .	.	.	.	.	.	.

Coordination Patterns

-----  
 Pattern 1

Cycle Length . . . 80 COS . . . . . 701  
 Offset . . . . . 51  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 0 2- 38 3- 0 4- 26  
           Phase 5- 0 6- 38 7- 0 8- 36  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . X . . . X . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 2

Cycle Length . . . 105 COS . . . . . 702  
 Offset . . . . . 54  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 14 2- 40 3- 0 4- 28  
           Phase 5- 14 6- 40 7- 0 8- 18  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 3

Cycle Length . . . 105 COS . . . . . 703  
 Offset . . . . . 48  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reservice. . NO  
 Splits: Phase 1- 14 2- 28 3- 0 4- 28  
           Phase 5- 14 6- 28 7- 0 8- 30  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

Coordination Patterns

-----  
 Pattern 4

Cycle Length . . . 105 COS . . . . . 704  
 Offset . . . . . 54  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 14 2- 37 3- 0 4- 28  
           Phase 5- 14 6- 37 7- 0 8- 21  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 5

Cycle Length . . . 125 COS . . . . . 705  
 Offset . . . . . 3  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 12 2- 38 3- 0 4- 25  
           Phase 5- 12 6- 38 7- 0 8- 25  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 6

Cycle Length . . . 125 COS . . . . . 706  
 Offset . . . . . 92  
 Vehicle Permissive . . [1] 20 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 12 2- 38 3- 0 4- 25  
           Phase 5- 12 6- 38 7- 0 8- 25  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

Coordination Patterns

-----  
 Pattern 7

Cycle Length . . . 125 COS . . . . . 707  
 Offset . . . . . 0  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve. . . NO  
 Splits: Phase 1- 12 2- 38 3- 0 4- 25  
           Phase 5- 12 6- 38 7- 0 8- 25  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 8

Cycle Length . . . 105 COS . . . . . 651  
 Offset . . . . . 31  
 Vehicle Permissive . . [1] 20 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve. . . NO  
 Splits: Phase 1- 0 2- 60 3- 0 4- 13  
           Phase 5- 0 6- 60 7- 0 8- 27  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . X . . . . .  
 Veh Recall . . . . . . . . . . . . . . .  
 Veh Max Recall . . . . . . . . . . . . . . .  
 Ped Recall . . . . . . . . . . . . . . .  
 Veh Omit . . . . . . . . . . . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .







Bus Preemptors

-----

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----

Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . NO If NO, then week containing Ja

Disable Daylight Savings Time . . . . . NO

Daylight Savings

Begins Last Sunday in March . . . . . NO If NO, then Second Sunday as p



Holiday Programs

-----

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

NIC Program Steps

-----

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0600	6	NO
3	1	1000	0	NO
4	1	1500	7	NO
5	1	1930	0	NO
6	2	0000	0	NO
7	2	0830	7	NO
8	2	1000	0	NO
9	2	1500	7	NO
10	2	1800	0	NO
11	3	0000	0	NO



TOD Program Steps

-----  
 Step 3            Program 3            Step Begins    0000

Flash. . . . .	Dimming Enable. . . . .
Red Rest . . . . .	Alt Veh Extension . . . . .
Spare 5. . . . .	Det Log Enable. . . . . X
Spare 3. . . . .	Spare 4 . . . . .
Type 0 Dly Enable. . . . .	Spare 2 . . . . .
Det Diag Plan. . . . . 0	

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

	A	B	C	D	E	F
Alt Sequence . . . . .	.	.	.	.	.	.

-----

Configuration

	Controller Sequence Priority										
	1	2	3	4	5	6	7	8	9	10	11
Ring 1 Phases . . .	1	2	3	4	9	10	0	0	0	0	0
Ring 2 Phases . . .	5	6	7	8	11	12	0	0	0	0	0

	Phase										
	1	2	3	4	5	6	7	8	9	10	11
In Use . . . . .	X	X	.	X	.	.	.	.	.	.	.
Exclusive Ped . . .	.	.	.	.	.	.	.	.	.	.	.
Direction . . . . .											

	Overlap			
	A	B	C	D
Direction . . . . .				

Load Switch Channel/Driver Group Assign (Info Only):

Load Switch (MMU) Channel	Driver Phase/Ovlap	Signal Group Ped
1 . . . . .	1	.
2 . . . . .	2	.
3 . . . . .	3	.
4 . . . . .	4	.
5 . . . . .	5	.
6 . . . . .	6	.
7 . . . . .	7	.
8 . . . . .	8	.
9 . . . . .	2	X
10 . . . . .	4	X
11 . . . . .	6	X
12 . . . . .	8	X
13 . . . . .	A	.
14 . . . . .	B	.
15 . . . . .	C	.
16 . . . . .	D	.

Configuration Continued

-----  
Enable BIU: 1 2 3 4 5 6 7 8  
Terminal/Facilities. . . . . . . . . . .  
Detector Rack. . . . . . . . . . .

Type 2 Runs as Type 1. . . . .  
MMU Disable. . . . . X  
Diagnostic Enable. . . . .  
Peer-Peer Comm Enable. . . . .

Peer To Peer Addresses . . . . . 1 2 3 4 5 6 7 8 9 1  
255 255 255 255 255 255 255 255 255 25

Port 2:

Port 2 Protocol . . . . . Terminal  
Port 2 Enable . . . . . NO  
AB3418 Address. . . . . 0  
AB3418 Group Address. . . . . 0  
AB3418 Response Delay . . . . . 0  
AB3418 Single Flag Enable . . . . . NO  
AB3418 Drop-Out Time. . . . . 0  
AB3418 TOD SF Select. . . . . 0  
Data Rate . . . . . 1200 bps  
Data, Parity, Stop. . . . . 8, 0, 1

Port 3:

Port 3 Protocol . . . . . Telemetry  
Port 3 Enable . . . . . YES  
Telemetry Address . . . . . 2  
System Detector 9-16 Address. . . . . 0  
Telemetry Response Delay. . . . . 8000  
AB3418 Address. . . . . 0  
AB3418 Group Address. . . . . 0  
AB3418 Response Delay . . . . . 0  
AB3418 Single Flag Enable . . . . . NO  
AB3418 Drop-Out Time. . . . . 0  
AB3418 TOD SF Select. . . . . 0  
Duplex. . . . . Full  
Data Rate . . . . . 1200 bps  
Data, Parity, Stop. . . . . 8, 0, 1

Configuration Continued

Event Enabling	Alarm Enabling
Critical RFE'S (MMU/TF) . . . . . X	ALARM 1 . . . . . X
Non-Critical RFE'S (DET/TEST) . . . X	ALARM 2 . . . . . .
Detector Errors . . . . . X	ALARM 3 . . . . . .
Coordination Errors . . . . . X	ALARM 4 . . . . . .
MMU Flash Faults. . . . . X	ALARM 5 . . . . . .
Local Flash Faults. . . . . X	ALARM 6 . . . . . .
Preempt . . . . . X	ALARM 7 . . . . . .
Power On/Off. . . . . X	ALARM 8 . . . . . .
Low Battery . . . . . X	ALARM 9 . . . . . .
	ALARM 10. . . . . .
	ALARM 11. . . . . .
	ALARM 12. . . . . .
	ALARM 13. . . . . .
	ALARM 14. . . . . .
	ALARM 15. . . . . .
	ALARM 16. . . . . .

Supervisor Access Code . . . \*\*\*\*  
 Data Change Access Code . . . \*\*\*\*

MMU Compatibility Program (Info Only)

Channel	Is Allowed to Time With Channel														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 . . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15. . . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Version Info:		
Software Assy.	Part No.	Version
Boot	27831	2.83
Program	45561	8.0
Application		. 3
Help	27891	6.43
Configuration	27918	C000





Ped Carryover

---

Ped Start Phase

Carry Over Phase

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0





Power Start, Remote Flash

-----

	Phase															
	1	2	3	4	5	6	7	8	9	10	11	12				
Power Start . . . . .	.	X	.	.	.	.	.	.	.	.	.	.				
External Start . . . . .	.	X	.	.	.	.	.	.	.	.	.	.				
Into Remote Flash . . . . .	.	.	.	X	.	.	.	.	.	.	.	.				
Exit Remote Flash . . . . .	.	X	.	.	.	.	.	.	.	.	.	.	Overlap			
Remote Flash Yellow . . . . .	.	.	.	.	.	.	.	.	.	.	.	.	A	B	C	D
Flash Together . . . . .	.	X	.	X	.	X	.	X	.	X	.	X	.	.	.	.

Initialization Interval:

Power Start . . . . . Green  
 External Start . . . . . Green

Power Start All Red Time . . . . . 0  
 Power Start Flash Time . . . . . 0

Remote Flash Options:

Out of Flash Yellow . . . . . NO  
 Out of Flash All Red . . . . . NO  
 Minimum Recall . . . . . NO  
 Alternate Flash . . . . . NO  
 Flash Thru Load Switches . . . . . NO  
 Cycle Through Phases . . . . . NO

Option Data

-----

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Guaranteed Passage . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 1 . . . . .	.	X	.	.	.	.	.	.	.	.	.	.
Call To NonActuated 2 . . . . .	.	.	.	X	.	.	.	X	.	.	.	.
Dual Entry . . . . .	.	X	.	X	.	X	.	X	.	X	.	X
Conditional Service . . . . .	X	.	X	.	X	.	X	.	X	.	X	.
Conditional Reservice . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Actuated Rest in Walk . . . . .	.	X	.	.	.	.	.	.	.	.	.	.
Flashing Walk . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

Enable Programmable Options

Dual Entry . . . . .	OFF	Backup Protection Group 1 . . . . .	OFF
Conditional Service . . . . .	OFF	Backup Protection Group 2 . . . . .	OFF
Ped Clearance Protection . . . . .	OFF	Backup Protection Group 3 . . . . .	OFF
Special Preempt Overlap Flash . . . . .	OFF	Simultaneous Gap Group 1 . . . . .	ON
Cond Service Det Cross Switch . . . . .	OFF	Simultaneous Gap Group 2 . . . . .	ON
Lock Detectors in Red Only . . . . .	ON	Simultaneous Gap Group 3 . . . . .	OFF

Five Section Left Turn Control

	Phases: 5-2	7-4	1-6	3-8	11-10	9-12
Left Turn Head. . . . .	.	.	.	.	.	.



Detector Type/Timers

Det.	Locking	Log	Timers		Don't Reset	Type
	Memory	Enable	Extend	Delay	Extend	
1	NO	NO	0.0	0	.	0 - Normal
2	NO	NO	0.0	0	.	0 - Normal
3	NO	NO	0.0	0	.	0 - Normal
4	NO	NO	0.0	0	.	0 - Normal
5	NO	NO	0.0	0	.	0 - Normal
6	NO	NO	0.0	0	.	0 - Normal
7	NO	NO	0.0	0	.	0 - Normal
8	NO	NO	0.0	0	.	0 - Normal
9	NO	NO	0.0	0	.	0 - Normal
10	NO	NO	0.0	0	.	0 - Normal
11	NO	NO	0.0	0	.	0 - Normal
12	NO	NO	0.0	0	.	0 - Normal
13	NO	NO	0.0	0	.	0 - Normal
14	NO	NO	0.0	0	.	0 - Normal
15	NO	NO	0.0	0	.	0 - Normal
16	NO	NO	0.0	0	.	0 - Normal
17	NO	YES	0.0	0	.	0 - Normal
18	NO	YES	0.0	0	.	0 - Normal
19	NO	YES	0.0	0	.	0 - Normal
20	NO	YES	0.0	0	.	0 - Normal
21	NO	YES	0.0	0	.	0 - Normal
22	NO	NO	0.0	0	.	0 - Normal
23	NO	NO	0.0	0	.	0 - Normal
24	NO	NO	0.0	0	.	0 - Normal
25	NO	NO	0.0	0	.	0 - Normal
26	NO	NO	0.0	0	.	0 - Normal
27	NO	NO	0.0	0	.	0 - Normal
28	NO	NO	0.0	0	.	0 - Normal
29	NO	NO	0.0	0	.	0 - Normal
30	NO	NO	0.0	0	.	0 - Normal
31	NO	NO	0.0	0	.	0 - Normal
32	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 1: Detector 1	Det 17: Detector 17
Det 2: Detector 2	Det 18: Detector 18
Det 3: Detector 3	Det 19: Detector 19
Det 4: Detector 4	Det 20: Detector 20
Det 5: Detector 5	Det 21: Detector 21
Det 6: Detector 6	Det 22: Detector 22
Det 7: Detector 7	Det 23: Detector 23
Det 8: Detector 8	Det 24: Detector 24
Det 9: Detector 9	Det 25: Detector 25
Det 10: Detector 10	Det 26: Detector 26
Det 11: Detector 11	Det 27: Detector 27
Det 12: Detector 12	Det 28: Detector 28
Det 13: Detector 13	Det 29: Detector 29
Det 14: Detector 14	Det 30: Detector 30
Det 15: Detector 15	Det 31: Detector 31
Det 16: Detector 16	Det 32: Detector 32

Detector Type/Timers

33	NO	NO	0.0	0	.	0 - Normal
34	NO	NO	0.0	0	.	0 - Normal
35	NO	NO	0.0	0	.	0 - Normal
36	NO	NO	0.0	0	.	0 - Normal
37	NO	NO	0.0	0	.	0 - Normal
38	NO	NO	0.0	0	.	0 - Normal
39	NO	NO	0.0	0	.	0 - Normal
40	NO	NO	0.0	0	.	0 - Normal
41	NO	NO	0.0	0	.	0 - Normal
42	NO	NO	0.0	0	.	0 - Normal
43	NO	NO	0.0	0	.	0 - Normal
44	NO	NO	0.0	0	.	0 - Normal
45	NO	NO	0.0	0	.	0 - Normal
46	NO	NO	0.0	0	.	0 - Normal
47	NO	NO	0.0	0	.	0 - Normal
48	NO	NO	0.0	0	.	0 - Normal
49	NO	NO	0.0	0	.	0 - Normal
50	NO	NO	0.0	0	.	0 - Normal
51	NO	NO	0.0	0	.	0 - Normal
52	NO	NO	0.0	0	.	0 - Normal
53	NO	NO	0.0	0	.	0 - Normal
54	NO	NO	0.0	0	.	0 - Normal
55	NO	NO	0.0	0	.	0 - Normal
56	NO	NO	0.0	0	.	0 - Normal
57	NO	NO	0.0	0	.	0 - Normal
58	NO	NO	0.0	0	.	0 - Normal
59	NO	NO	0.0	0	.	0 - Normal
60	NO	NO	0.0	0	.	0 - Normal
61	NO	NO	0.0	0	.	0 - Normal
62	NO	NO	0.0	0	.	0 - Normal
63	NO	NO	0.0	0	.	0 - Normal
64	NO	NO	0.0	0	.	0 - Normal

Detector Names

Det 33: Detector 33	Det 49: Detector 49
Det 34: Detector 34	Det 50: Detector 50
Det 35: Detector 35	Det 51: Detector 51
Det 36: Detector 36	Det 52: Detector 52
Det 37: Detector 37	Det 53: Detector 53
Det 38: Detector 38	Det 54: Detector 54
Det 39: Detector 39	Det 55: Detector 55
Det 40: Detector 40	Det 56: Detector 56
Det 41: Detector 41	Det 57: Detector 57
Det 42: Detector 42	Det 58: Detector 58
Det 43: Detector 43	Det 59: Detector 59
Det 44: Detector 44	Det 60: Detector 60
Det 45: Detector 45	Det 61: Detector 61
Det 46: Detector 46	Det 62: Detector 62
Det 47: Detector 47	Det 63: Detector 63
Det 48: Detector 48	Det 64: Detector 64







Ped/SD Local Assign,Log Interval

-----

	Phase Ped Detector											
Is Ped Detector No. . . .	1	2	3	4	5	6	7	8	9	10	11	12
	1	2	3	4	5	6	7	8	9	10	11	12

	*Local System Detector No.															
Is Local Detector No. . .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	0	0	0	0	0	0	0	0	0	0	0

Detector Log Interval . . 15

\*NOTE: System master designations cross referenced to local system detector numbers are:

- SDA1 = 1 & 9
- SDA2 = 2 & 10
- SDB1 = 3 & 11
- SDB2 = 4 & 12
- SDC1 = 5 & 13
- SDC2 = 6 & 14
- SDD1 = 7 & 15
- SDD2 = 8 & 16

Diagnostic Plans/Fail Action

Plan	Detector														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Plan	Detector														
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data

Diagnostic Plans/Fail Action

Plan	Detector															
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Plan	Detector															
	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	
1 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8 Diagnostic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Scaling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
*Fail Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

\*NOTE: 0 = No Action, 1 = Min Recall, 2 = Max Recall in Effect  
 3 = Detector Fail Max Time from By-Phase Timing Data



Detector Diagnostic Intervals

-----

Diagnostic Number	*No-Activity Diagnostic Interval	*Max Presence Diagnostic Interval	Erratic Count
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0

\*NOTE: Scaling is specified in each detector diagnostic plan.

Speed Detectors

-----

	Local Speed Detector							
One Detector Speed:	1	2	3	4	5	6	7	8
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

	Local Speed Detector							
One Detector Speed:	9	10	11	12	13	14	15	16
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Vehicle Length . . . . .	0	0	0	0	0	0	0	0
Loop Length. . . . .	0	0	0	0	0	0	0	0
Two Detector Speed:								
Local Detector Number. . . . .	0	0	0	0	0	0	0	0
Speed Trap Length. . . . .	0	0	0	0	0	0	0	0

Units. . . . . Inches

NOTE: Speed Detector 1 = STA, Speed Detector 2 = STB

Coordinator Manual Command and Options

-----

Manual Enable . . . . . Pattern . . . . . 0

Split Units . . . . . Percent                      OffsetUnits . . . . . Percent

Interconnect Format . STD                              Interconnect Source . TLM

Transition. . . . . SMOOTH                              Dwell Period. . . . . 0

Resync Count. . . . . 0

Actuated Coord Phase . . . . . Actuated Walk Rest . . . . .

Inhibit Max Timing . . . . . X Max 2 Select . . . . .

Floating Force Off . . . . . X Multisync. . . . .

				Phase											
Split Demand:	Call	Time	Cyc Count	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 . . . . .	0		0	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 . . . . .	0		0	.	.	.	.	.	.	.	.	.	.	.	.

				Phase											
	1	2	3	4	5	6	7	8	9	10	11	12			
Auto Permissive Min Green . . . . .	0	0	0	0	0	0	0	0	0	0	0	0			

	A	B	C	D	E	F
Free Alternate Sequence . . . . .	.	.	.	.	.	.

Coordination Patterns

-----  
 Pattern 1

Cycle Length . . . 80 COS . . . . . 701  
 Offset . . . . . 34  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 0 2- 60 3- 0 4- 40  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . X . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 2

Cycle Length . . . 105 COS . . . . . 702  
 Offset . . . . . 20  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 15 2- 55 3- 0 4- 30  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 3

Cycle Length . . . 105 COS . . . . . 703  
 Offset . . . . . 23  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 15 2- 49 3- 0 4- 36  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

Coordination Patterns

-----  
 Pattern 4

Cycle Length . . . 105 COS . . . . . 704  
 Offset . . . . . 22  
 Vehicle Permissive . . [1] 5 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 15 2- 52 3- 0 4- 33  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 5

Cycle Length . . . 125 COS . . . . . 705  
 Offset . . . . . 51  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 13 2- 59 3- 0 4- 28  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

-----  
 Pattern 6

Cycle Length . . . 125 COS . . . . . 706  
 Offset . . . . . 21  
 Vehicle Permissive . . [1] 10 [2] 0  
 Vehicle Perm 2 Displacement 0 Phase Reserve . . NO  
 Splits: Phase 1- 13 2- 52 3- 0 4- 35  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0 Split Sum: 0  
 Split Extension/Ring [1] 0 [2] 0  
 Split Demand Pattern [1] 0 [2] 0  
 XRT Pattern. . . 0  
     Phase Number: 1 2 3 4 5 6 7 8 9 10 11 12  
 Coord Phases . . . X . . . . .  
 Veh Recall . . . . .  
 Veh Max Recall . . . . .  
 Ped Recall . . . . .  
 Veh Omit . . . . .  
 Alt Sequence . . A: . B: . C: . D: . E: . F: .

Coordination Patterns

-----  
 Pattern 7

Cycle Length . . . 125    COS . . . . . 707  
 Offset . . . . . 20  
 Vehicle Permissive . . [1]    10    [2]    0  
 Vehicle Perm 2 Displacement    0    Phase Reserve. . . NO  
 Splits:    Phase 1- 13 2- 56 3- 0 4- 31  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0    Split Sum: 0  
 Split Extension/Ring    [1]    0    [2]    0  
 Split Demand Pattern    [1]    0    [2]    0  
 XRT Pattern. . . 0  
     Phase Number:    1    2    3    4    5    6    7    8    9    10    11    12  
 Coord Phases . . . . X .  
 Veh Recall .  
 Veh Max Recall .  
 Ped Recall .  
 Veh Omit .  
 Alt Sequence . . . A: .    B: .    C: .    D: .    E: .    F: .

-----  
 Pattern 8

Cycle Length . . . 105    COS . . . . . 651  
 Offset . . . . . 47  
 Vehicle Permissive . . [1]    10    [2]    0  
 Vehicle Perm 2 Displacement    0    Phase Reserve. . . NO  
 Splits:    Phase 1- 23 2- 48 3- 0 4- 29  
           Phase 5- 0 6- 0 7- 0 8- 0  
           Phase 9- 0 10- 0 11- 0 12- 0    Split Sum: 0  
 Split Extension/Ring    [1]    0    [2]    0  
 Split Demand Pattern    [1]    0    [2]    0  
 XRT Pattern. . . 0  
     Phase Number:    1    2    3    4    5    6    7    8    9    10    11    12  
 Coord Phases . . . . X .  
 Veh Recall .  
 Veh Max Recall .  
 Ped Recall .  
 Veh Omit .  
 Alt Sequence . . . A: .    B: .    C: .    D: .    E: .    F: .







Bus Preemptors

-----

	Bus Preemptor			
	1	2	3	4
Preemptor Active. . . . .	.	.	.	.
Detector Lock . . . . .	.	.	.	.
Maximum Time. . . . .	0	0	0	0
Reservice Time. . . . .	0	0	0	0
Delay Time. . . . .	0	0	0	0
Inhibit Time. . . . .	0	0	0	0
Entrance Green. . . . .	0	0	0	0
Entrance Ped Clearance. . . . .	0	0	0	0
Entrance Yellow . . . . .	0.0	0.0	0.0	0.0
Entrance Red. . . . .	0.0	0.0	0.0	0.0
Minimum Hold Time . . . . .	0	0	0	0

	Hold Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
Preemptor 1 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 2 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 3 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Preemptor 4 . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

\*\*\* Only timing data accepted by download \*\*\*

NIC/TOD Clock/Calendar

-----

Manual NIC Program Step . . . . . 0

Manual TOD Program Step . . . . . 0

NIC Resync Time . . . . . 0000

Sync Reference is . . . . . Reference Time

Week 1 Begins on 1st Sunday . . . . . NO If NO, then week containing Ja

Disable Daylight Savings Time . . . . . NO

Daylight Savings

Begins Last Sunday in March . . . . . NO If NO, then Second Sunday as p



Holiday Programs

-----

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

NIC Program Steps

-----

Step	Program	Step Begins	Pattern	Override
1	1	0000	0	NO
2	1	0600	2	NO
3	1	1000	1	NO
4	1	1500	7	NO
5	1	1930	1	NO
6	2	0000	0	NO
7	2	0830	3	NO
8	2	1800	1	NO
9	3	0000	0	NO

TOD Program Steps

-----  
 Step 1            Program 1            Step Begins        2200

Flash. . . . .	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	X
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 2            Program 1            Step Begins        0000

Flash. . . . .	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	X
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

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TOD Program Steps

-----  
 Step 3            Program 1            Step Begins    0530

Flash. . . . .  
 Red Rest . . . . .  
 Spare 5. . . . .  
 Spare 3. . . . .  
 Type 0 Dly Enable. . . . .  
 Det Diag Plan. . . . 0

Dimming Enable. . . . .  
 Alt Veh Extension . . . . .  
 Det Log Enable. . . . . X  
 Spare 4 . . . . .  
 Spare 2 . . . . .

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 4            Program 3            Step Begins    2200

Flash. . . . . X  
 Red Rest . . . . .  
 Spare 5. . . . .  
 Spare 3. . . . .  
 Type 0 Dly Enable. . . . .  
 Det Diag Plan. . . . 0

Dimming Enable. . . . .  
 Alt Veh Extension . . . . .  
 Det Log Enable. . . . . X  
 Spare 4 . . . . .  
 Spare 2 . . . . .

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

TOD Program Steps

-----  
 Step 5            Program 2            Step Begins      0000

Flash. . . . .	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	X
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 6            Program 2            Step Begins      0700

Flash. . . . .	.	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	X
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

TOD Program Steps

-----  
 Step 7            Program 3            Step Begins    2200

Flash. . . . .	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	X
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----  
 Step 8            Program 3            Step Begins    0000

Flash. . . . .	X	Dimming Enable. . . . .	.
Red Rest . . . . .	.	Alt Veh Extension . . . . .	.
Spare 5. . . . .	.	Det Log Enable. . . . .	X
Spare 3. . . . .	.	Spare 4 . . . . .	.
Type 0 Dly Enable. . . . .	.	Spare 2 . . . . .	.
Det Diag Plan. . . . .	0		

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
	A	B	C	D	E	F						
Alt Sequence . . . . .	.	.	.	.	.	.						

-----

TOD Program Steps

-----  
 Step 9            Program 3            Step Begins    0700

Flash. . . . .	Dimming Enable. . . . .
Red Rest . . . . .	Alt Veh Extension . . . . .
Spare 5. . . . .	Det Log Enable. . . . . X
Spare 3. . . . .	Spare 4 . . . . .
Type 0 Dly Enable. . . . .	Spare 2 . . . . .
Det Diag Plan. . . . . 0	

	Phase Number											
	1	2	3	4	5	6	7	8	9	10	11	12
Max 2 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Max 3 Enable . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit . . . . .	.	.	.	.	.	.	.	.	.	.	.	.
Special Function . . . . .	.	.	.	.	.	.	.	.	.	.	.	.

	A	B	C	D	E	F
Alt Sequence . . . . .	.	.	.	.	.	.

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**Appendix D**  
**Synchro Coordination Timing Plans**

## Hudson Signal Timing 11/13/2019

SR 91 & Georgetown Rd		Phase									
Pattern	Cycle	1	2 - NB	3	4	5	6 - SB	7	8 - WB		Offset 1 Synchro
1	80		70				70		30		45
SR 91 & Corporate Drive		Phase									
Pattern	Cycle	1	2 - NB	3	4 - EB	5	6 - SB	7	8 - WB		Offset 1 Synchro
1	80		66		34		66		34		74
SR 91 & Terex Road		Phase									
Pattern	Cycle	1	2 - NB	3	4 - EB	5	6 - SB	7	8 - WB		Offset 1 Synchro
1	80		57		43		57		43		70
Terex Rd & Hudson Drive		Phase									
Pattern	Cycle	1	2 - EB/WB	3 - NB	4 - SB	5	6	7	8		Offset 1 Synchro
1	80		42	31	27						90
SR 91 & Barlow Road		Phase									
Pattern	Cycle	1	2 - EB / WB	3 - NB / SB LT	4 - NB / SB	5	6	7	8		Offset 1 Synchro
1	80		34	18	48						92
SR 91 & Stoney Hill Dr		Phase									
Pattern	Cycle	1	2 - NB	3	4 - EB	5	6 - SB	7	8 - WB		Offset 1 Synchro
1	80		71		29		71		29		82
SR 91 & Veteran's Way		Phase									
Pattern	Cycle	1	2 - EB	3	4 - SB	5	6 - WB	7	8 - NB		Offset 1 Synchro
1	80		35		65		35		65		5
SR 91 & SR 303		Phase									
Pattern	Cycle	1	2 - NB	3	4 - EB	5	6 - SB	7	8 - WB		Offset 1 Synchro
1	80		50		50		50		50		0
SR 91 & Aurora		Phase									
Pattern	Cycle	1	2 - NB	3	4 - EB	5	6 - SB	7	8 - WB		Offset 1 Synchro
1	80		41		28		41		31		92
SR 91 & Prospect		Phase									
Pattern	Cycle	1	2 - NB	3	4 - EB	5	6 - SB	7	8 - WB		Offset 1 Synchro
1	80		62		38		62		38		86
SR 303 & Milford Drive		Phase									
Pattern	Cycle	1	2 - WB	3	4 - SB	5	6 - EB	7	8 - NB		Offset 1 Synchro
1	80		65		35		65		35		55
SR 303 & Library		Phase									
Pattern	Cycle	1	2 - EB	3	4 - NB	5	6 - WB	7	8 - SB		Offset 1 Synchro
1	80		65		35		65		35		55
SR 303 & Shopping Center		Phase									
Pattern	Cycle	1	2 - EB/WB	3	4 - NB	5	6	7	8		Offset 1 Synchro
1	80		60		40						34
SR 303 & Boston Mills Road		Phase									
Pattern	Cycle	1	2 - EB	3	4 - NB	1	6 - WB	7	8 - SB		Offset 1 Synchro
1	80		38		26		38		36		51

Note: Phase timing intervals in above chart are in percentage. Offsets are shown in percentage.

**Hudson Signal Timing  
11/13/2019**

SR 91 & Georgetown Rd		Phase								Offset Synchron
Pattern	Cycle	1 - SB LT	2 - NB	3	4 - WB	5	6 - SB	7	8	
2	105	17	67		16		84			72
3	105	16	52		32		68			73
4	105	12	50		38		62			0

SR 91 & Corporate Drive		Phase								Offset 1 Synchron
Pattern	Cycle	1 - SB LT	2 - NB	3 - EB LT	4 - WB	5 - NB LT	6 - SB	7 - WB LT	8 - EB	
2	105	16	55	16	13	17	54	13	16	20
3	105	14	50	15	21	15	49	15	21	17
4	105	12	58	16	14	12	58	13	17	10

SR 91 & Terex Road		Phase								Offset 1 Synchron
Pattern	Cycle	1 - SB LT	2 - NB	3 - EB LT	4 - WB	5 - NB LT	6 - SB	7 - WB LT	8 - EB	
2	105	11	44	15	30	14	41	19	26	89
3	105	11	45	14	30	11	45	19	25	95
4	105	11	44	14	31	16	39	20	25	25

Terex Rd & Hudson Drive		Phase								Offset 1 Synchron
Pattern	Cycle	1 - WB LT	2 - WB/EB	3 - NB	4 - SBB	5	6	7	8	
2	105	11	40	28	21					47
3	105	12	32	31	25					55
4	105	12	39	21	28					84

SR 91 & Barlow Road		Phase								Offset 1 Synchron
Pattern	Cycle	1	2 - EB / WB	3 - NB / SB LT	4 - NB / SB	5	6	7	8	
2	105		26	14	60					55
3	105		26	14	60					44
4	105		26	14	60					47

SR 91 & Stoney Hill Dr		Phase								Offset 1 Synchron
Pattern	Cycle	1 - SB LT	2 - NB	3	4 - WB	5 - NB LT	6 - SB	7	8 - EB	
2	105	13	65		22	13	65		22	30
3	105	13	66		21	13	66		21	13
4	105	13	66		21	13	66		21	4

SR 91 & Veteran's Way		Phase								Offset Synchron
Pattern	Cycle	1	2 - EB	3 - NB LT	4 - SB	5	6 - WB	7	8 - NB	
2	105		25	13	62		25		75	0
3	105		28	15	57		28		72	91
4	105		26	16	58		26		74	22

SR 91 & SR 303		Phase								Offset 1 Synchron
Pattern	Cycle	1 - NB LT	2 - SB	3 - EB LT	4 - WB	5 - SB LT	6 - NB	7 - WB LT	8 - EB	
2	105	10	41	14	35	10	41	12	37	0
3	105	17	35	12	36	10	42	10	38	0
4	105	13	38	10	39	10	41	13	36	0

SR 91 & Aurora		Phase								Offset 1 Synchron
Pattern	Cycle	1	2 - NB	3	4 - EB	5	6 - SB	7	8 - WB	
2	105	55		21		55		24		8
3	105	49		24		49		27		4
4	105	48		21		48		31		52

SR 91 & Prospect		Phase								Offset 1 Synchron
Pattern	Cycle	1	2 - NB	3	4 - WB	5	6 - SB	7	8 - EB	
2	105		69		31		69		31	98
3	105		68		32		68		32	94
4	105		67		33		67		33	7

SR 303 & Library		Phase								Offset 1 Synchron
Pattern	Cycle	1 - WB LT	2 - EB	3	4 - NB	5 - EB LT	6 - WB	7	8 - SB	
2	105	12	61		27	12	61		27	70
3	105	12	61		27	14	61		27	59
4	105	12	62		26	15	59		26	63

SR 303 & Milford Drive		Phase								Offset 1 Synchron
Pattern	Cycle	1 - WB LT	2 - EB	3	4 - SB	5 - EB LT	6 - WB	7	8 - NB	
2	105	13	63		24	13	63		24	27
3	105	13	63		24	13	63		24	9
4	105	13	63		24	13	63		24	10

SR 303 & Shopping Center		Phase								Offset 1 Synchron
Pattern	Cycle	1 - WB LT	2 - EB/WB	3	4 - NB	5	6	7	8	
2	105	15	55		30					20
3	105	15	49		36					23
4	105	15	52		33					22

SR 303 & Boston Mills		Phase								Offset 1 Synchron
Pattern	Cycle	1 - WB LT	2 - EB	3	4 - NB	5 - EB LT	6 - WB	7	8 - SB	
2	105	14	45		23	14	45		18	54
3	105	14	38		18	14	38		30	48
4	105	14	41		24	14	41		21	54

Note: Phase timing intervals in above chart are in percentage. Offsets are shown in percentage.

**Hudson Signal Timing  
11/13/2019**

SR 91 & Georgetown Rd		Phase									Offset Synchrono
Pattern	Cycle	1 - SB LT	2 - NB	3	4 - WB	5	6 - SB	7	8		
5	125	18	68		14		86				72
6	125	15	53		32		68				30
7	125	10	55		35		65				13

SR 91 & Corporate Drive		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - SB LT	2 - NB	3 - EB LT	4 - WB	5 - NB LT	6 - SB	7 - WB LT	8 - EB		
5	125	15	57	16	12	16	56	12	16		88
6	125	12	52	17	19	15	49	14	22		76
7	125	11	57	17	15	12	56	13	19		72

SR 91 & Terex Road		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - SB LT	2 - NB	3 - EB LT	4 - WB	5 - NB LT	6 - SB	7 - WB LT	8 - EB		
5	125	11	42	17	30	16	37	20	27		46
6	125	11	42	17	30	12	41	23	24		56
7	125	10	42	15	33	19	33	24	24		37

Terex Rd & Hudson Drive		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - WB LT	2 - WB/EB	3 - NB	4 - SBB	5	6	7	8		
5	125	10	40	31	19						99
6	125	10	26	36	28						9
7	125	10	38	23	29						98

SR 91 & Barlow Road		Phase									Offset 1 Synchrono
Pattern	Cycle	1	2 - EB / WB	3 - NB / SB LT	4 - NB / SB	5	6	7	8		
5	125		24	12	64						4
6	125		23	12	65						56
7	125		22	12	66						53

SR 91 & Stoney Hill Dr		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - SB LT	2 - NB	3	4 - WB	5 - NB LT	6 - SB	7	8 - EB		
5	125	12	68		20	12	68		20		44
6	125	11	72		17	11	72		17		37
7	125	11	72		17	11	72		17		35

SR 91 & Veteran's Way		Phase									Offset Synchrono
Pattern	Cycle	1	2 - EB	3 - NB LT	4 - SB	5	6 - WB	7	8 - NB		
5	125		23	12	65		23		77		0
6	125		26	15	59		26		74		1
7	125		22	17	61		22		78		64

SR 91 & SR 303		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - NB LT	2 - SB	3 - EB LT	4 - WB	5 - SB LT	6 - NB	7 - WB LT	8 - EB		
5	125	11	38	15	36	10	39	10	41		0
6	125	16	35	13	36	10	41	10	39		0
7	125	12	40	12	36	10	42	12	36		0

SR 91 & Aurora		Phase									Offset 1 Synchrono
Pattern	Cycle	1	2 - NB	3	4 - EB	5	6 - SB	7	8 - WB		
5	125		57		18		57		25		2
6	125		51		22		51		27		1
7	125		49		20		49		31		6

SR 91 & Prospect		Phase									Offset 1 Synchrono
Pattern	Cycle	1	2 - NB	3	4 - WB	5	6 - SB	7	8 - EB		
5	125		69		31		69		31		2
6	125		70		30		70		30		10
7	125		66		34		66		34		76

SR 303 & Library		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - WB LT	2 - EB	3	4 - NB	5 - EB LT	6 - WB	7	8 - SB		
5	125	10	68		22	10	68		22		92
6	125	10	68		22	17	61		22		59
7	125	10	68		22	16	62		22		55

SR 303 & Milford Drive		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - WB LT	2 - EB	3 - NB LT	4 - SB	5 - EB LT	6 - WB	7	8 - NB		
5	125	11	58	10	21	11	58		31		25
6	125	11	58	10	21	11	58		31		10
7	125	11	69	20	20	11	58		20		59

SR 303 & Shopping Center		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - WB LT	2 - EB/WB	3	4 - NB	5	6	7	8		
5	125	13	59		28						51
6	125	13	52		35						21
7	125	13	56		31						20

SR 303 & Boston Mills		Phase									Offset 1 Synchrono
Pattern	Cycle	1 - WB LT	2 - EB	3	4 - NB	5 - EB LT	6 - WB	7	8 - SB		
5	125	12	38		25	12	38		25		3
6	125	12	38		25	12	38		25		92
7	125	12	38		25	12	38		25		0

Note: Phase timing intervals in above chart are in percentage. Offsets are shown in percentage.

**Appendix E**  
**Traffic Responsive Pattern Change Logs**



Event Report Created: 12/27/2019 11:16

Events for Zone 1

001***0618	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 1
001***0708	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 2
001***0748	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***0848	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 2
001***0903	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***1203	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 6
001***1343	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***1503	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 6
001***1618	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 7
001***1633	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 6
001***1833	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***1938	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 1
001***2153	12/06/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	FREE

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Event Report Created: 12/27/2019 11:16

Events for Zone 1

001***0758	12/07/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 1
001***0858	12/07/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***1228	12/07/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 6
001***1303	12/07/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***1903	12/07/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 1
001***2048	12/07/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	FREE

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Event Report Created: 12/27/2019 11:17

Events for Zone 1

001***0858	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 1
001***1058	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***1453	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 4
001***1558	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***1713	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 4
001***1758	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 3
001***1813	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 4
001***1903	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	PLAN 1
001***1943	12/08/2019	IN-EFFECT	PROGRAM CHANGE	- TRP	FREE

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Event Report Created: 12/27/2019 11:18

Events for Zone 2

002***0618	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***0653	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	2
002***0728	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***0756	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	6
002***0810	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1051	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1133	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1201	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1215	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1250	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1648	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	7
002***1847	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1901	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1936	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***2100	12/02/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	FREE	

Event Report Created: 12/27/2019 11:19

Events for Zone 2

002***0620	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***0648	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	2
002***0730	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***0819	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	2
002***0854	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1156	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1615	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	7
002***1842	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1959	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***2109	12/03/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	FREE	

Event Report Created: 12/27/2019 11:19

Events for Zone 2

002***0615	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***0650	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	2
002***0725	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***0746	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	6
002***0835	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1109	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1116	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1205	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1240	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1254	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1617	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	7
002***1912	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***2008	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***2125	12/04/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	FREE	

Event Report Created: 12/27/2019 11:19

Events for Zone 2

002***0617	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***0652	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	2
002***0727	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***0734	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	6
002***0809	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***0912	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1022	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1242	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1640	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	7
002***1715	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	6
002***1832	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	7
002***1921	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1949	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***2127	12/05/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	FREE	

Event Report Created: 12/27/2019 11:17

Events for Zone 2

002***0619	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***0647	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	2
002***0750	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***0757	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	6
002***0825	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***0907	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1003	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1134	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1155	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1305	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1553	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	7
002***1717	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	6
002***1841	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	7
002***1855	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1930	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1944	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***2232	12/06/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	FREE	

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Event Report Created: 12/27/2019 11:18

Events for Zone 2

002***0752	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***0902	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1157	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1218	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	7
002***1253	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	6
002***1321	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1328	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1637	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1836	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1932	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***2049	12/07/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	FREE	

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Event Report Created: 12/27/2019 11:18

Events for Zone 2

002***0904	12/08/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***1028	12/08/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1159	12/08/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	3
002***1220	12/08/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	4
002***1913	12/08/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	PLAN	1
002***2002	12/08/2019	IN-EFFECT	PROGRAM	CHANGE	-	TRP	FREE	

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**Appendix F**  
**Future Adaptive Signal Improvement Costs**

### 7.3 Estimated Construction Costs

Replace Traffic Signals Poles at Span Wire Locations (4 Locations) . . . . .	\$700,000.00
Upgrade Curb Ramps (14 Locations) . . . . .	\$38,000.00
Install New Controllers, Cabinets & UPS (17 Locations) . . . . .	\$255,000.00
Upgrade Pedestrian Signals to Count-Down & Vehicle Signals to LED Lenses . . . . .	\$100,000.00
Upgrade Pedestrian Push Buttons with Pilot Lights. . . . .	\$10,000.00
Central Control System & Software. . . . .	\$175,000.00
Advanced Detectors for Adaptive Control . . . . .	\$190,000.00
Video Surveillance (2 Locations) . . . . .	\$30,000.00
Bicycle Detectors (20 detectors) . . . . .	\$20,000.00
Interconnect Existing Signals for Coordination & Monitoring (3.7 miles) . . . . .	\$1,464,000.00
Systems Analysis, Set-up & Programming. . . . .	\$75,000.00
Total Construction Costs. . . . .	\$3,057,000.00
Construction Engineering (10%). . . . .	\$305,700.00
Total Construction Costs & Construction Engineering. . . . .	\$3,362,700.00
Contingencies (5%) . . . . .	\$168,200.00
Total Project Construction Costs . . . . .	\$3,530,900.00
Engineering Design . . . . .	est \$354,00.00
Eligible AMATS Federal Grant (80%) - If Approved . . . . .	\$2,824,500.00
Current Local Construction Participation (20%) . . . . .	\$706,400.00

It should be noted that right of way and environmental documentation costs are not known at this time. These would be evaluated in the engineering design stage of the project. If the project can be constructed within the existing right of way, these costs will be minimal.

**Appendix G**  
**Estimated Re-Timing Improvements**

## Arterial Level of Service: EB SR 303

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Case Dr	IV	25	25.2	16.4	41.6	0.14	12.1	D
Shopping Center	IV	25	23.0	15.8	38.8	0.13	11.9	D
Milford Drive	IV	25	29.4	10.5	39.9	0.18	16.1	C
	IV	25	23.9	43.1	67.0	0.13	7.1	E
SR 91	IV	25	24.3	31.9	56.2	0.14	8.7	E
Total	IV		125.8	117.7	243.5	0.71	10.5	D

## Arterial Level of Service: WB SR 303

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
SR 91	IV	25	25.2	38.4	63.6	0.14	7.9	E
Library Street	IV	25	24.3	19.7	44.0	0.14	11.1	D
	IV	25	23.9	4.9	28.8	0.13	16.6	C
Shopping Center	IV	25	29.4	28.4	57.8	0.18	11.1	D
Boston Mills Rd	IV	25	23.0	6.8	29.8	0.13	15.4	C
Total	IV		125.8	98.2	224.0	0.71	11.5	D

## Arterial Level of Service: NB SR 91

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Georgetown Road	III	45	11.1	14.4	25.5	0.10	14.4	D
Corporate Drive	III	45	38.4	36.9	75.3	0.41	19.5	C
Terex Road	III	45	22.7	28.6	51.3	0.21	14.6	D
Barlow Road	III	35	38.8	49.8	88.6	0.32	13.1	E
Stoney Hill Drive	III	35	50.4	11.9	62.3	0.42	24.3	B
Veterans Way	III	25	78.3	19.6	97.9	0.54	20.0	C
SR 303	III	25	40.2	42.6	82.8	0.26	11.4	E
Aurora Street	III	35	21.2	95.9	117.1	0.17	5.1	F
East Prospect Street	III	35	45.2	14.7	59.9	0.38	22.6	C
Total	III		346.3	314.4	660.7	2.81	15.3	D

## Arterial Level of Service: SB SR 91

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
West Prospect Street	III	35	9.8	12.0	21.8	0.07	11.2	E
Clinton Street	III	25	57.6	324.8	382.4	0.38	3.5	F
SR 303	III	25	29.9	40.3	70.2	0.17	8.5	F
Veterans Way	III	25	40.2	47.7	87.9	0.26	10.8	E
Drive	III	35	55.9	21.1	77.0	0.54	25.4	B
Barlow Road	III	35	50.4	28.8	79.2	0.42	19.1	C
Terex Road	III	45	32.0	13.6	45.6	0.32	25.5	B
Corporate Drive	III	45	22.7	11.3	34.0	0.21	22.1	C
Georgetown Road	III	45	38.4	6.0	44.4	0.41	33.1	A
Total	III		336.9	505.6	842.5	2.78	11.9	E

## Arterial Level of Service: EB SR 303

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Case Dr	IV	25	25.2	75.6	100.8	0.14	5.0	F
Shopping Center	IV	25	23.0	32.0	55.0	0.13	8.4	E
Milford Drive	IV	25	29.4	85.4	114.8	0.18	5.6	F
	IV	25	23.9	33.6	57.5	0.13	8.3	E
SR 91	IV	25	24.3	46.9	71.2	0.14	6.8	F
Total	IV		125.8	273.5	399.3	0.71	6.4	F

## Arterial Level of Service: WB SR 303

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
SR 91	IV	25	25.2	39.5	64.7	0.14	7.8	E
Library Street	IV	25	24.3	34.5	58.8	0.14	8.3	E
	IV	25	23.9	10.8	34.7	0.13	13.8	C
Shopping Center	IV	25	29.4	15.7	45.1	0.18	14.2	C
Boston Mills Rd	IV	25	23.0	78.0	101.0	0.13	4.6	F
Total	IV		125.8	178.5	304.3	0.71	8.4	E

## Arterial Level of Service: NB SR 91

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Georgetown Road	III	45	11.1	28.5	39.6	0.10	9.3	F
Corporate Drive	III	45	38.4	32.8	71.2	0.41	20.7	C
Terex Road	III	45	22.7	41.0	63.7	0.21	11.8	E
Barlow Road	III	35	38.8	91.3	130.1	0.32	9.0	F
Stoney Hill Drive	III	35	50.4	77.4	127.8	0.42	11.8	E
Veterans Way	III	25	78.3	5.1	83.4	0.54	23.5	C
SR 303	III	25	40.2	25.6	65.8	0.26	14.4	D
Aurora Street	III	35	21.2	36.7	57.9	0.17	10.3	E
East Prospect Street	III	35	45.2	17.3	62.5	0.38	21.7	C
Total	III		346.3	355.7	702.0	2.81	14.4	D

## Arterial Level of Service: SB SR 91

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
West Prospect Street	III	35	9.8	20.8	30.6	0.07	8.0	F
Clinton Street	III	25	57.6	35.3	92.9	0.38	14.6	D
SR 303	III	25	29.9	31.8	61.7	0.17	9.7	F
Veterans Way	III	25	40.2	47.4	87.6	0.26	10.8	E
Drive	III	35	55.9	66.9	122.8	0.54	15.9	D
Barlow Road	III	35	50.4	116.1	166.5	0.42	9.1	F
Terex Road	III	45	32.0	64.6	96.6	0.32	12.1	E
Corporate Drive	III	45	22.7	20.1	42.8	0.21	17.6	D
Georgetown Road	III	45	38.4	34.0	72.4	0.41	20.3	C
Total	III		336.9	437.0	773.9	2.78	12.9	E

## Arterial Level of Service: EB SR 303

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Case Dr	IV	25	25.2	27.3	52.5	0.14	9.6	D
Shopping Center	IV	25	23.0	2.8	25.8	0.13	17.8	C
Milford Drive	IV	25	29.4	5.9	35.3	0.18	18.2	C
	IV	25	23.9	6.4	30.3	0.13	15.8	C
SR 91	IV	25	24.3	28.9	53.2	0.14	9.2	D
Total	IV		125.8	71.3	197.1	0.71	13.0	C

## Arterial Level of Service: WB SR 303

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
SR 91	IV	25	25.2	56.2	81.4	0.14	6.2	F
Library Street	IV	25	24.3	10.7	35.0	0.14	13.9	C
	IV	25	23.9	4.3	28.2	0.13	16.9	C
Shopping Center	IV	25	29.4	0.9	30.3	0.18	21.2	B
Boston Mills Rd	IV	25	23.0	30.9	53.9	0.13	8.5	E
Total	IV		125.8	103.0	228.8	0.71	11.2	D

## Arterial Level of Service: NB SR 91

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Georgetown Road	III	45	11.1	7.5	18.6	0.10	19.8	C
Corporate Drive	III	45	38.4	9.5	47.9	0.41	30.7	A
Terex Road	III	45	22.7	12.5	35.2	0.21	21.3	C
Barlow Road	III	35	38.8	12.9	51.7	0.32	22.5	C
Stoney Hill Drive	III	35	50.4	5.0	55.4	0.42	27.3	B
Veterans Way	III	25	78.3	2.8	81.1	0.54	24.1	B
SR 303	III	25	40.2	24.0	64.2	0.26	14.7	D
Aurora Street	III	35	21.2	21.7	42.9	0.17	13.9	E
East Prospect Street	III	35	45.2	2.4	47.6	0.38	28.5	B
Total	III		346.3	98.3	444.6	2.81	22.8	C

## Arterial Level of Service: SB SR 91

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
West Prospect Street	III	35	9.8	6.2	16.0	0.07	15.3	D
Clinton Street	III	25	57.6	18.5	76.1	0.38	17.8	D
SR 303	III	25	29.9	25.1	55.0	0.17	10.9	E
Veterans Way	III	25	40.2	4.7	44.9	0.26	21.1	C
Drive	III	35	55.9	2.6	58.5	0.54	33.4	A
Barlow Road	III	35	50.4	6.1	56.5	0.42	26.8	B
Terex Road	III	45	32.0	22.4	54.4	0.32	21.4	C
Corporate Drive	III	45	22.7	9.0	31.7	0.21	23.7	C
Georgetown Road	III	45	38.4	0.8	39.2	0.41	37.5	A
Total	III		336.9	95.4	432.3	2.78	23.1	C

## Arterial Level of Service: EB SR 303

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Case Dr	IV	25	25.2	72.6	97.8	0.14	5.1	F
Shopping Center	IV	25	23.0	6.5	29.5	0.13	15.6	C
Milford Drive	IV	25	29.4	18.8	48.2	0.18	13.3	C
	IV	25	23.9	7.5	31.4	0.13	15.2	C
SR 91	IV	25	24.3	54.5	78.8	0.14	6.2	F
Total	IV		125.8	159.9	285.7	0.71	9.0	E

## Arterial Level of Service: WB SR 303

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
SR 91	IV	25	25.2	47.5	72.7	0.14	6.9	F
Library Street	IV	25	24.3	17.6	41.9	0.14	11.6	D
	IV	25	23.9	10.0	33.9	0.13	14.1	C
Shopping Center	IV	25	29.4	7.3	36.7	0.18	17.5	C
Boston Mills Rd	IV	25	23.0	63.3	86.3	0.13	5.3	F
Total	IV		125.8	145.7	271.5	0.71	9.5	D

## Arterial Level of Service: NB SR 91

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Georgetown Road	III	45	11.1	12.4	23.5	0.10	15.7	D
Corporate Drive	III	45	38.4	16.7	55.1	0.41	26.7	B
Terex Road	III	45	22.7	16.9	39.6	0.21	19.0	C
Barlow Road	III	35	38.8	9.7	48.5	0.32	24.0	B
Stoney Hill Drive	III	35	50.4	8.8	59.2	0.42	25.5	B
Veterans Way	III	25	78.3	3.3	81.6	0.54	24.0	C
SR 303	III	25	40.2	25.9	66.1	0.26	14.3	D
Aurora Street	III	35	21.2	25.3	46.5	0.17	12.8	E
East Prospect Street	III	35	45.2	5.0	50.2	0.38	27.0	B
Total	III		346.3	124.0	470.3	2.81	21.5	C

Arterial Level of Service: SB SR 91

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
West Prospect Street	III	35	9.8	13.0	22.8	0.07	10.7	E
Clinton Street	III	25	57.6	31.9	89.5	0.38	15.1	D
SR 303	III	25	29.9	31.2	61.1	0.17	9.8	F
Veterans Way	III	25	40.2	10.8	51.0	0.26	18.6	C
Drive	III	35	55.9	2.1	58.0	0.54	33.7	A
Barlow Road	III	35	50.4	15.8	66.2	0.42	22.8	C
Terex Road	III	45	32.0	30.8	62.8	0.32	18.5	C
Corporate Drive	III	45	22.7	9.1	31.8	0.21	23.6	C
Georgetown Road	III	45	38.4	11.3	49.7	0.41	29.6	B
Total	III		336.9	156.0	492.9	2.78	20.3	C