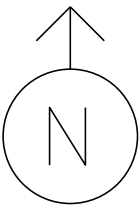


MS # 106



US-7 NORTH

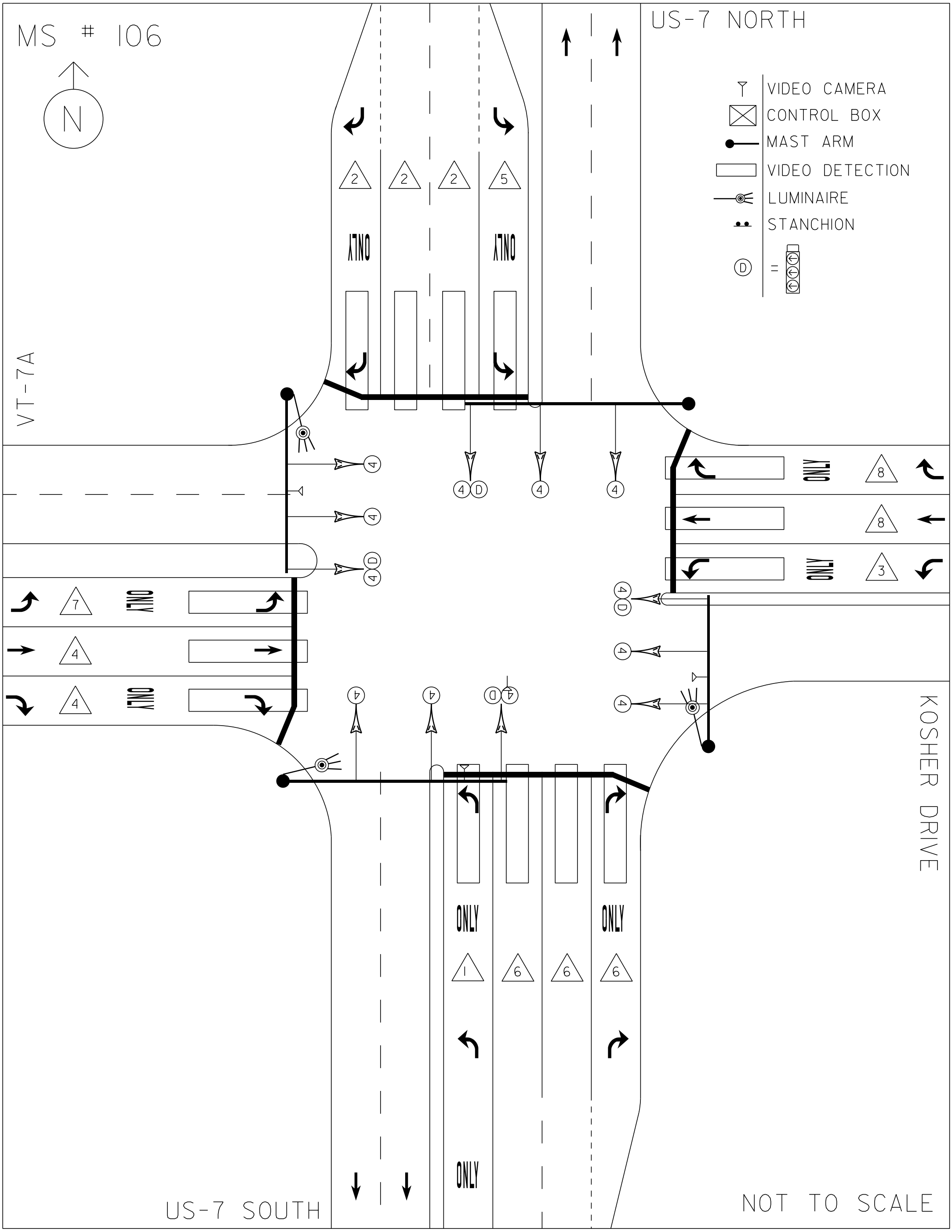
- VIDEO CAMERA
- CONTROL BOX
- MAST ARM
- VIDEO DETECTION
- LUMINAIRE
- STANCHION
- D =

VT-7A

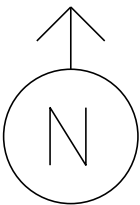
KOSHER DRIVE

US-7 SOUTH

NOT TO SCALE

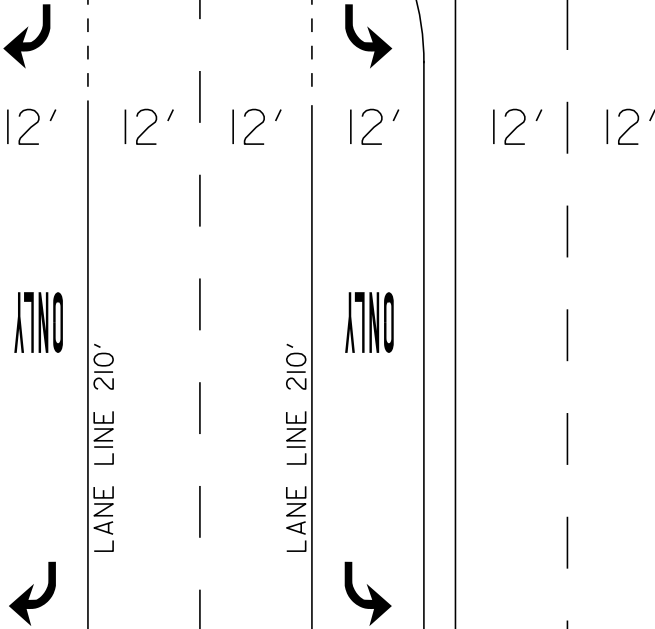


MS # 106



VT-7A

US-7 NORTH



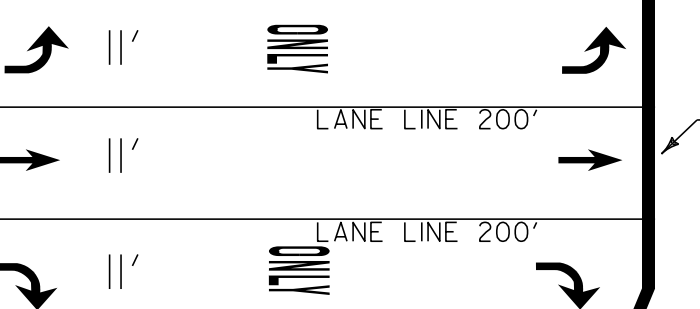
STOP BAR 50' STOP BAR 12' STOP BAR 10'

STOP BAR 40'



LANE LINE 160'

LANE LINE 160'

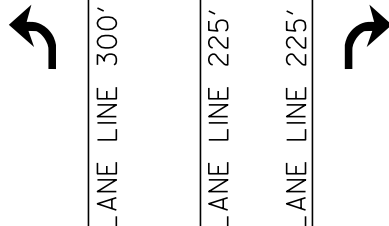


LANE LINE 200'

LANE LINE 200'

STOP BAR 36'

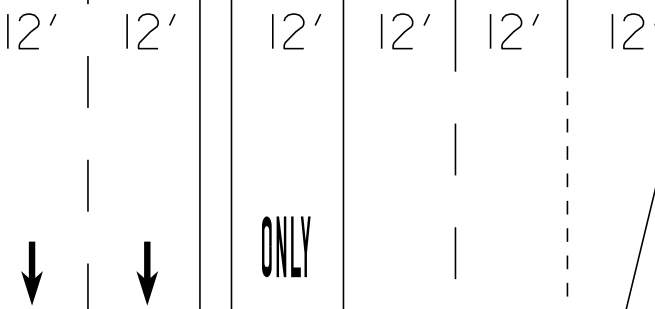
STOP BAR 10' STOP BAR 50' STOP BAR 12'



LANE LINE 300'

LANE LINE 225'

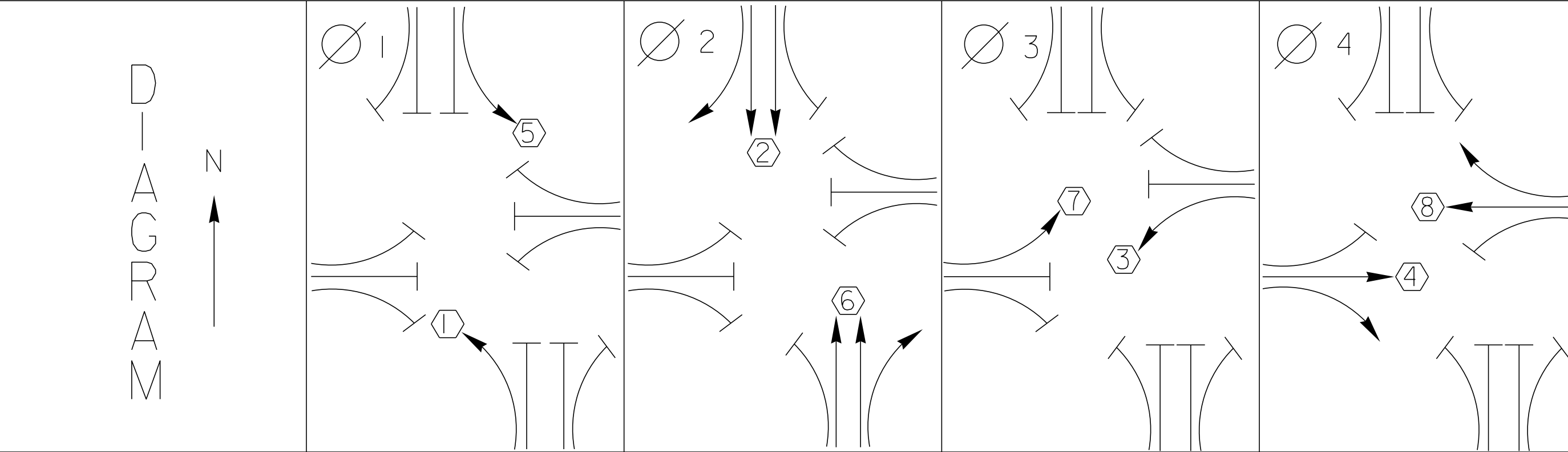
LANE LINE 225'



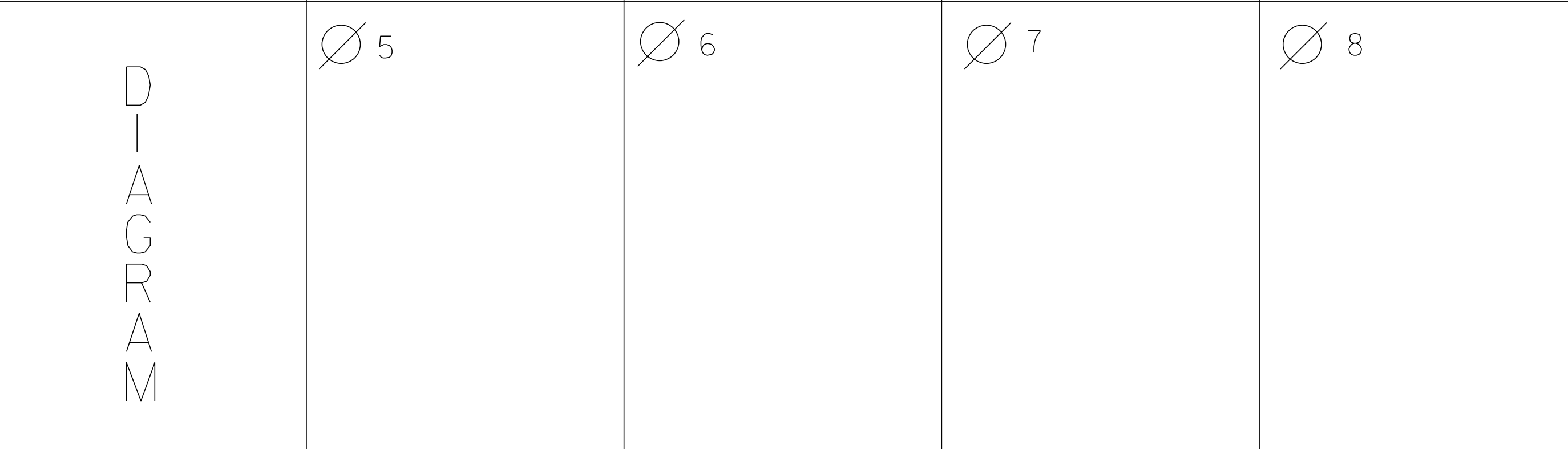
US-7 SOUTH

KOSHER DRIVE

NOT TO SCALE



TIMING	G = Y =	G = Y =	G = Y =	G = Y =
--------	------------	------------	------------	------------



TIMING	G = Y =	G = Y =	G = Y =	G = Y =
--------	------------	------------	------------	------------

PROTECTED
TURNS

PERMITTED
TURNS

PEDESTRIAN

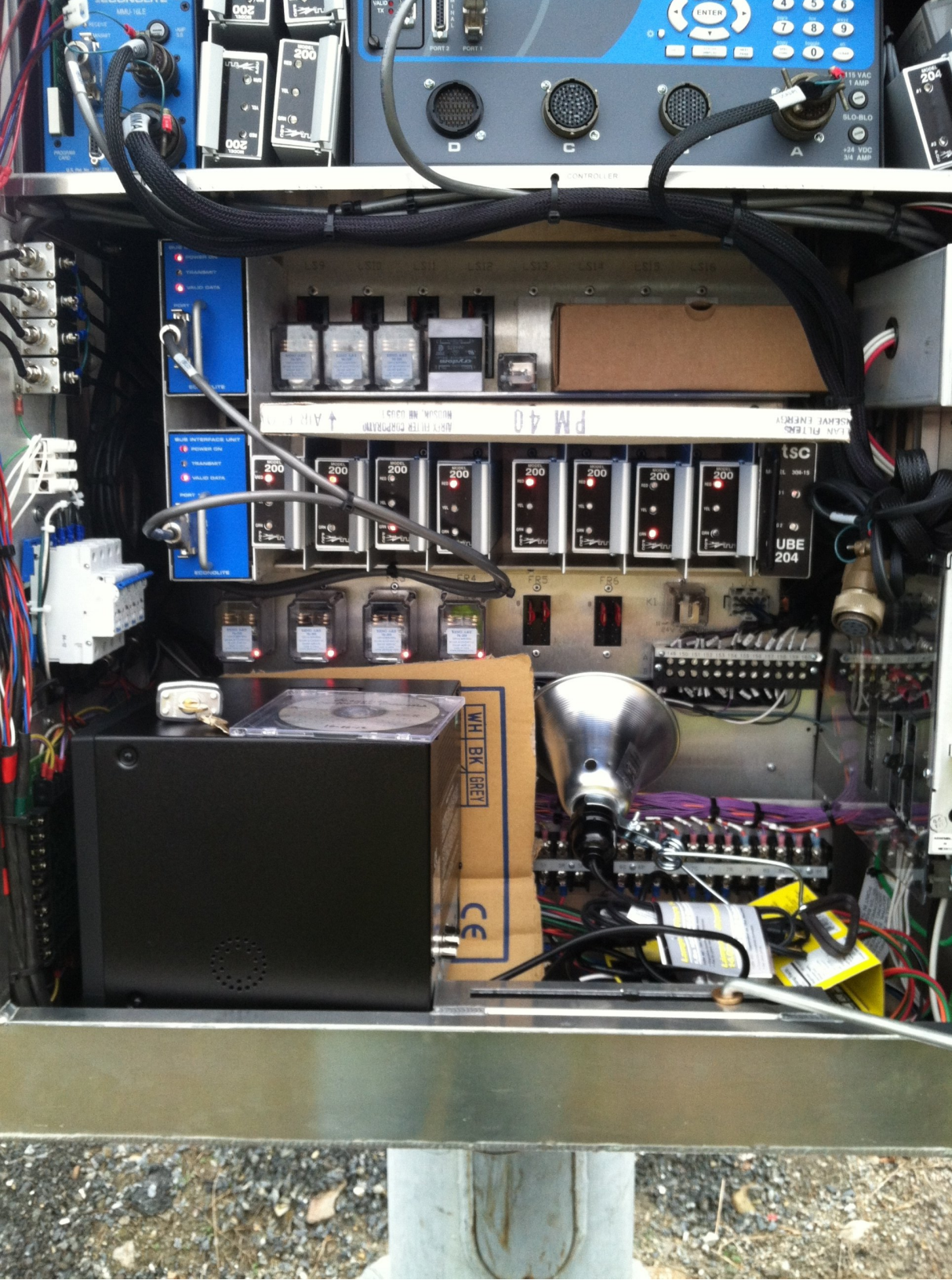
CYCLE LENGTH, C= _____ S

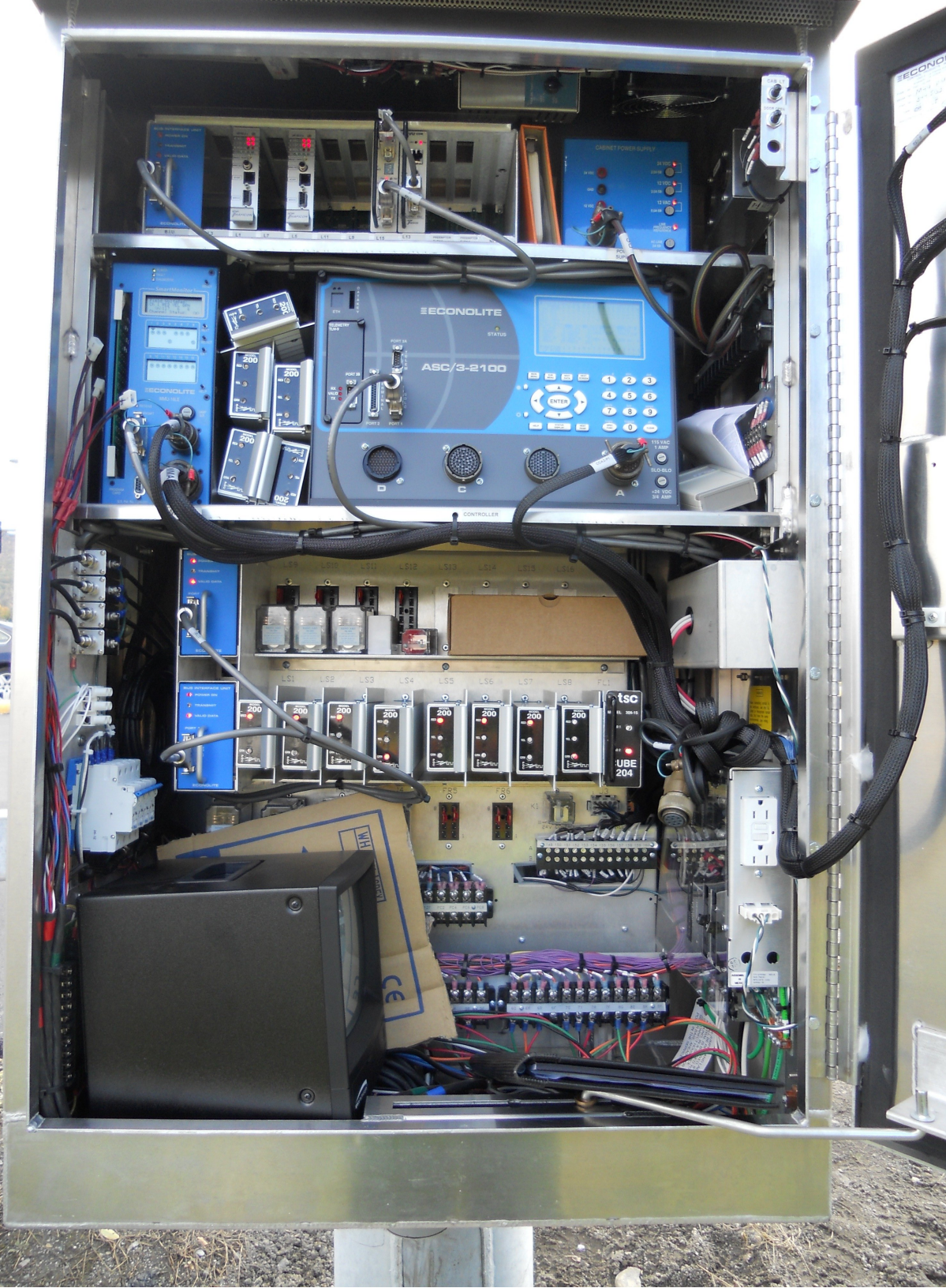


H 7 TO 9
nnington
↓

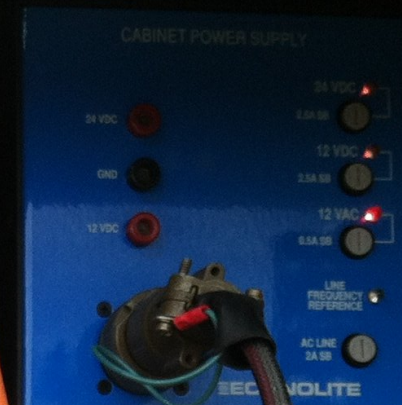
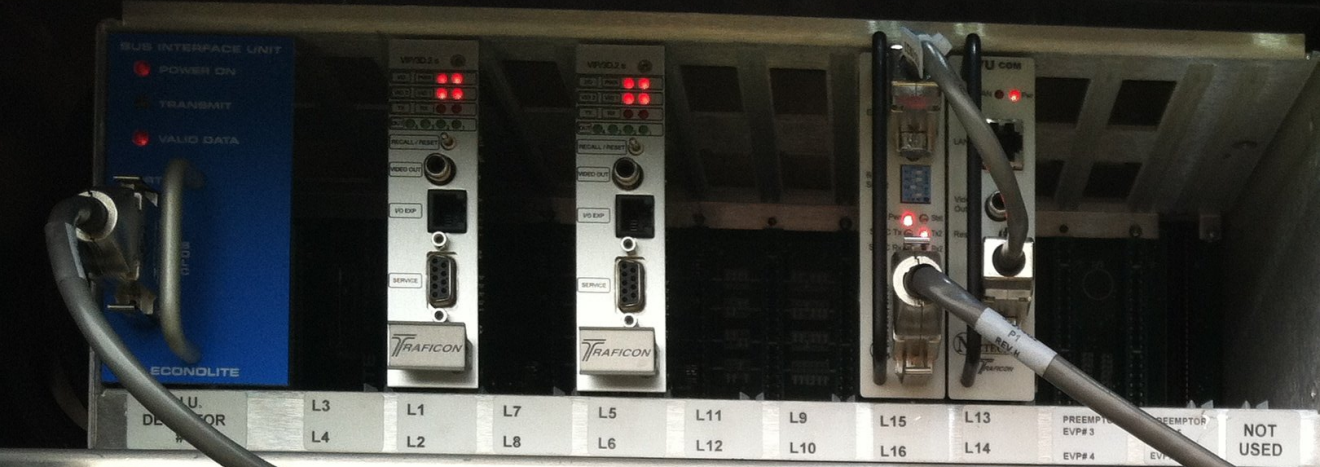
SPEED
LIMIT
40



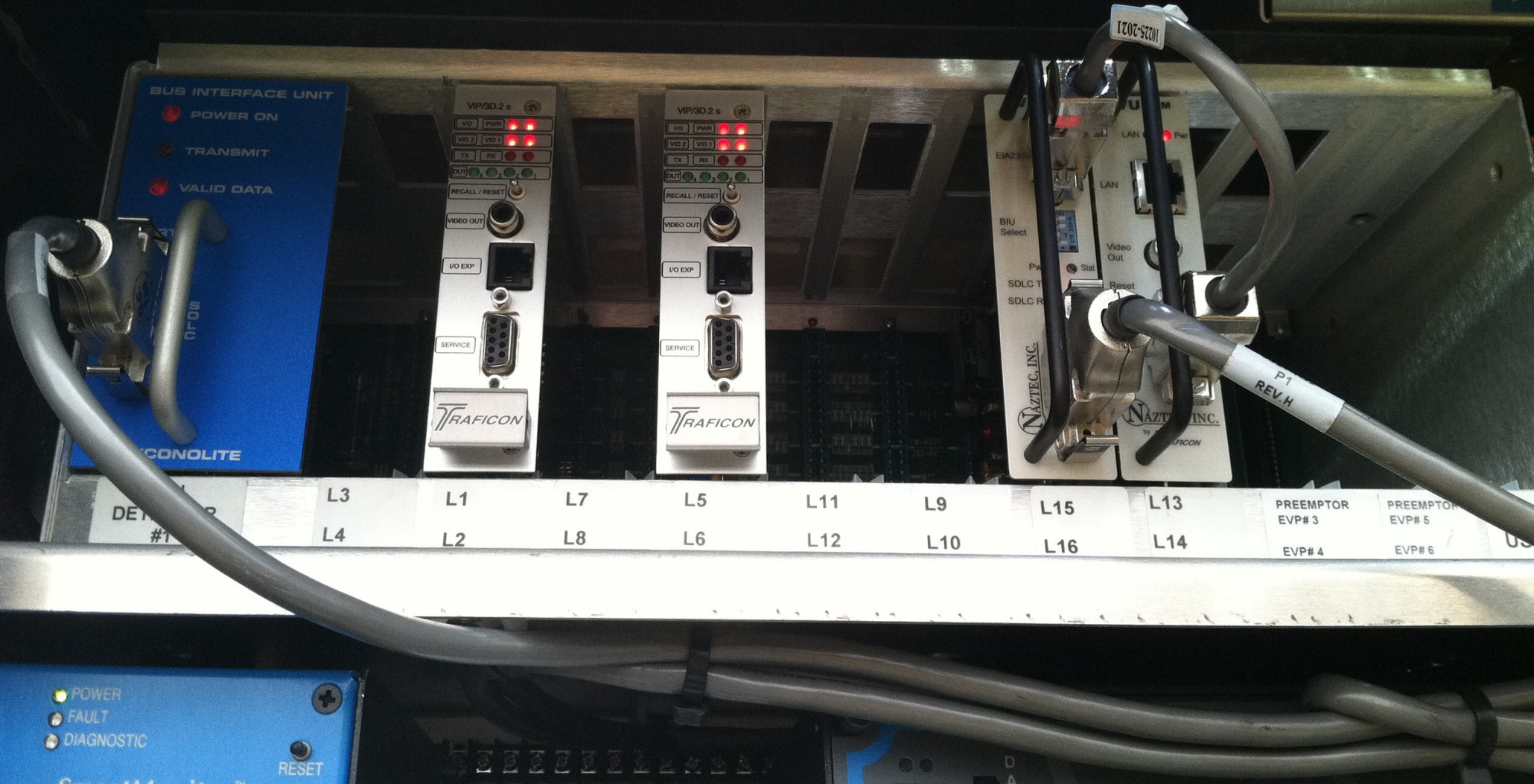








CONTROLLER



BUS INTERFACE UNIT

POWER ON

TRANSMIT

VALID DATA

VIP/3D.2 s

I/O PWR

VID 2 VID 1

TX RX

OUT

RECALL / RESET

VIDEO OUT

I/O EXP

SERVICE

TRAFICON

VIP/3D.2 s

I/O PWR

VID 2 VID 1

TX RX

OUT

RECALL / RESET

VIDEO OUT

I/O EXP

SERVICE

TRAFICON

EIA232

LAN

LAN

Video Out

Reset

SDLC T

SDLC R

BIU Select

Stat

Power

NAZTEC, INC.

by TRAFICON

L3

L4

L1

L2

L7

L8

L5

L6

L11

L12

L9

L10

L15

L16

L13

L14

PREEMPTOR

EVP# 3

EVP# 4

PREEMPTOR

EVP# 5

EVP# 6

SmartMonitor™

POWER

FAULT

DIAGNOSTIC

RESET











LEFT
TURN
SIGNAL



NORTH
7

TURN SIGNAL
REQUIRED
BEFORE
CHANGING
LANES

PROHIBITED
OVERTAKING
STOPPING FOR PASSENGERS
UNLAWFUL
STOPPING FOR PASSENGERS
UNLAWFUL
STOPPING FOR PASSENGERS
UNLAWFUL





RIGHT LANE
MUST
TURN RIGHT



LEFT
TURN
SIGNAL



TURN AL
RE
BI
CH
L
PRO
D
N





LEFT
TURN
SIGNAL









**BROWN
PACKAGING
INC.**

MACHINERY/MATERIALS

ADAMS, MA
413-743-7002

www.brownpkg.com

**BROWN
PACKAGING
INC.**

BENNINGTON



LEFT
TURN
SIGNAL

SOUTH 7 TO 9
Bennington
↓ ↓

LED
MIT
0



LEFT LANE
MUST
TURN LEFT

RIGHT LANE
MUST
TURN RIGHT



1400+





LEFT
TURN
SIGNAL





LEFT
TURN
SIGNAL



TURN SIGNAL
REQUIRED
BEFORE
CHANGING
LANES

PROHIBITED
PEDESTRIANS
MOTORCYCLES
CAMPING VANS/RECREATION VEHICLES
BUSES
TRUCKS
BICYCLES
SNOW MOBILES
LAW ENFORCEMENT

NORTH





VTRans Timing - Kocher Drive Bennington VT

Controller Timing Plan (MM)2-1

Plan 1

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
BLK Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GB Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delay Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walk 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Walk Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clear 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clear Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped CO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle Est	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Vehicle Est 2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Max 1	14	8	12	18	14	8	12	18	0	0	0	0	0	0	0	0
Max 2	21	8	12	25	21	8	12	25	0	0	0	0	0	0	0	0
Max 3	22	8	13	23	22	8	13	23	0	0	0	0	0	0	0	0
DYM Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DYM Dip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Red Clear	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
ACT B4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEC/ACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Int	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Time B4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cars Wt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STPT Dup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time To Reduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Phase Recall Options (MM)2-8

Plan	Phase	Lock Detector	Vehicle Recall	Ped Recall	Max Recall	Soft Recall	No Rest	AI Calc
2	1	Yes	No	No	No	No	No	No
2	2	Yes	No	No	No	No	No	No
2	3	Yes	No	No	No	No	No	No
2	4	Yes	No	No	No	No	No	No
2	5	Yes	No	No	No	No	No	No
2	6	Yes	No	No	No	No	No	No
2	7	Yes	No	No	No	No	No	No
2	8	Yes	No	No	No	No	No	No
2	9	Yes	No	No	No	No	No	No
2	10	Yes	No	No	No	No	No	No
2	11	Yes	No	No	No	No	No	No
2	12	Yes	No	No	No	No	No	No
2	13	Yes	No	No	No	No	No	No
2	14	Yes	No	No	No	No	No	No
2	15	Yes	No	No	No	No	No	No
2	16	Yes	No	No	No	No	No	No
3	1	Yes	No	No	No	No	No	No
3	2	Yes	No	No	No	No	No	No
3	3	Yes	No	No	No	No	No	No
3	4	Yes	No	No	No	No	No	No
3	5	Yes	No	No	No	No	No	No
3	6	Yes	No	No	No	No	No	No
3	7	Yes	No	No	No	No	No	No
3	8	Yes	No	No	No	No	No	No
3	9	Yes	No	No	No	No	No	No
3	10	Yes	No	No	No	No	No	No
3	11	Yes	No	No	No	No	No	No
3	12	Yes	No	No	No	No	No	No
3	13	Yes	No	No	No	No	No	No
3	14	Yes	No	No	No	No	No	No
3	15	Yes	No	No	No	No	No	No
3	16	Yes	No	No	No	No	No	No
4	1	Yes	No	No	No	No	No	No
4	2	Yes	No	No	No	No	No	No
4	3	Yes	No	No	No	No	No	No
4	4	Yes	No	No	No	No	No	No
4	5	Yes	No	No	No	No	No	No
4	6	Yes	No	No	No	No	No	No
4	7	Yes	No	No	No	No	No	No
4	8	Yes	No	No	No	No	No	No
4	9	Yes	No	No	No	No	No	No
4	10	Yes	No	No	No	No	No	No
4	11	Yes	No	No	No	No	No	No
4	12	Yes	No	No	No	No	No	No
4	13	Yes	No	No	No	No	No	No
4	14	Yes	No	No	No	No	No	No
4	15	Yes	No	No	No	No	No	No
4	16	Yes	No	No	No	No	No	No

VTRans Timing - Kocher Drive Bennington VT

Coordination Options

Coordination Options (MM)3-1

Manual Pattern: Auto
 SCPI Coord: Yes
 System Source: TSC
 System Format: STD
 Split In: Seconds
 Offset In: Seconds
 Transition: Smooth
 Max Delay: MAXINH
 Delay/odd Time: 0
 Delay Coord W/L: No
 Force Off: Flast
 Offset Reference: Lead
 Use Ped Timer: Yes
 Ped Recall: No
 Ped Resv: No
 Local Zero Cvd: No
 Ped Add In Green: No
 Re-synch Count: 0
 Multisync: No

Split Demand (MM)3-5

Demand 1 Demand 2

Phase Phase

Demand	Detector	Call Time	Cycle Count
--------	----------	-----------	-------------

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

Phase Min Green

VTRans Timing - Kocher Drive Bennington VT

Coordination Pattern Data

Pattern Data (MM)3-2

Pattern	Split Pattern	TS2	Cycle	Std(COS)	Offset Value	Splits In	Offsets In	Actuated Coord
1	1	0-1	75	111	12	Seconds	Seconds	No
2	2	0-2	60	211	11	Seconds	Seconds	No
3	3	0-3	90	311	11	Seconds	Seconds	No

Pattern	Timing Plan	Actuated Walk Rest	Sequence	Phase Reservice	Action Plan	XArt Pattern	Vehicle Perm 1	Vehicle Perm 2	Vehicle Perm 3
1	0	No	0	No	0	0	0	0	0
2	0	No	0	No	0	0	0	0	0
3	0	No	0	No	0	0	0	0	0

Pattern	Ring Split Ext 1	Ring Split Ext 2	Ring Split Ext 3	Ring Split Ext 4	Split Demand Pattern 1	Split Demand Pattern 2	Ring Displ 2	Ring Displ 3	Ring Displ 4
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0

Split Preference Phases

Pattern	Phase	Preference 1	Preference 2
---------	-------	--------------	--------------

Special Functions

Pattern	Function	Output
---------	----------	--------

Split Pattern Data (MM)3-3

Coord Phases

Split Pattern	Phase	Split
---------------	-------	-------

Split Modes

Split Pattern	Mode	Phase
1	2	4
5	6	7
9	10	11
12	13	14
15	16	

19A

Route 7 @ Kocker Drive Bennington, VT

3-1. COORDINATOR OPTIONS

MANUAL PATTERN	Auto	INTERCONT FORMAT	STD
INTERCONT SRC	.sys	ECPI COORD	yes
TRANSITION	Smooth	DWELL/ADD TIME	0
OFFSET REF	Lead	FORCE OFF	FLOAT
DLY COORD WK-LZ	NO	USE PED TIME	yes
FO ADD INI GRN	NO	PED RESV	NO
PED RECALL	.NO	LOCAL ZERO OVRD	NO
ENABLE MAN SYNC	.	MAX SELECT	MAX INH
RE-SYNC COUNT	.0		
MULTISYNC	.NO		
SPLITS IN	Sec		
OFFSET IN	Sec		

19B

Route 7 @ Kochen Drive Bennington, VT

3-2. COORDINATOR PATTERN

COORDINATOR PATTERN [1]		111		SPLIT PATTERN			
CYCLE		76		SEQUENCE		1	
OFFSET VAL		12					
SPLITS IN		SAL					
XART PATTERN							
VEH PERM 1				VEH PERM 2			
VEH PERM 2 DISP				ACTION PLAN		0	
ACTUATED COORD		ND		TIMING PLAN		1	
ACT WALK REST		ND		PHASE RESRVCE		ND	
RING SPLIT EXT		1	2	3	4		
SPLIT DEMAND PATTERN		.	.	.	.		
RING DISPLACEMENT		.	.	.	.		
DIRECTED SPLIT PREFERENCE PHASES							
	1	2	3	4	5	6	7
PREFERENCE 1	.	.	.	.	.	.	.
PREFERENCE 2	.	.	.	.	.	.	.
	9	10	11	12	13	14	15
PREFERENCE 1	.	.	.	.	.	.	.
PREFERENCE 2	.	.	.	.	.	.	.
SPECIAL FUNCTION							
OUTPUTS	1	2	3	4	5	6	7
	.	.	.	.	.	.	.

19c

Route 7 @ Kocher Drive Bennington, VT

3-2. SPLIT PATTERN DATA

SPLIT PATTERN [1]											1	1	1	1	1	1	1
PHASES	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5	6
COORD PH	.	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
PHASE											1		2		3		4
SPLIT											20		14		19		24
MODE											.		.		.		.
PHASE											5		6		7		8
SPLIT											20		14		18		24
MODE											.		.		.		.
PHASE											9		10		11		12
SPLIT											.		.		.		.
MODE											.		.		.		.
PHASE											13		14		15		16
SPLIT											.		.		.		.
MODE											.		.		.		.

19D

Route 7 @ Kocher Drive Bennington, VT

3-2. COORDINATOR PATTERN

COORDINATOR PATTERN <i>AL</i>				SPLIT PATTERN			
CYCLE	<i>211</i>		<i>90</i>	SEQUENCE			<i>2</i>
OFFSET VAL			<i>11</i>				<i>1</i>
SPLITS IN			<i>Sec</i>				
XART PATTERN							
VEH PERM 1				VEH PERM 2			
VEH PERM 2 DISP				ACTION PLAN			<i>0</i>
ACTUATED COORD			<i>NO</i>	TIMING PLAN			<i>1</i>
ACT WALK REST			<i>NO</i>	PHASE RESRVCE			<i>NO</i>
				1		2	
RING SPLIT EXT				.		.	
SPLIT DEMAND PATTERN				.		.	
RING DISPLACEMENT				.		.	
DIRECTED SPLIT PREFERENCE PHASES							
	1	2	3	4	5	6	7
PREFERENCE 1	.	.	.	.	.	.	.
PREFERENCE 2	.	.	.	.	.	.	.
	9	10	11	12	13	14	15
PREFERENCE 1	.	.	.	.	.	.	.
PREFERENCE 2	.	.	.	.	.	.	.
SPECIAL FUNCTION				1	2	3	4
OUTPUTS				.	.	.	.

19E

Route 7 @ Kocher Drive . Bennington, VT

3-2. SPLIT PATTERN DATA

SPLIT PATTERN [A]										1	1	1	1	1	1	1
PHASES	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COORD PH	.	K	.	.	.	K	.	.	.	.	.	.	.	.	.	.
PHASE										1		2		3		4
SPLIT										27		14		18		31
MODE										.		.		.		.
PHASE										5		6		7		8
SPLIT										27		14		18		31
MODE										.		.		.		.
PHASE										9		10		11		12
SPLIT										.		.		.		.
MODE										.		.		.		.
PHASE										13		14		15		16
SPLIT										.		.		.		.
MODE										.		.		.		.

19 F

Route 7 @ Kocher Drive Bennington, VT

3-2. COORDINATOR PATTERN

COORDINATOR PATTERN (3)				SPLIT PATTERN			
CYCLE	311	90		SEQUENCE	3		
OFFSET VAL		11			1		
SPLITS IN		SPC					
XART PATTERN							
VEH PERM 1				VEH PERM 2			
VEH PERM 2 DISP				ACTION PLAN	0		
ACTUATED COORD		ND		TIMING PLAN	1		
ACT WALK REST		ND		PHASE RESRVOE	ND		
				1		2	3
RING SPLIT EXT							4
SPLIT DEMAND PATTERN							
RING DISPLACEMENT							
DIRECTED SPLIT PREFERENCE PHASES							
	1	2	3	4	5	6	7
PREFERENCE 1	.	.	.	.	.	.	.
PREFERENCE 2	.	.	.	.	.	.	.
	9	10	11	12	13	14	15
PREFERENCE 1	.	.	.	.	.	.	.
PREFERENCE 2	.	.	.	.	.	.	.
SPECIAL FUNCTION	1	2	3	4	5	6	7
OUTPUTS	.	.	.	.	.	.	.

196

Route 7 @ Kocher Drive @ Bennington, VT

3-2. SPLIT PATTERN DATA

SPLIT PATTERN <u>3</u>										1	1	1	1	1	1	1
PHASES	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COORD PH	.	X	.	.	.	X	.	.	.	.	.	.	.	.	.	.
PHASE										1		2		3		4
SPLIT										2.8		1.4		1.9		2.9
MODE										.		.		.		.
PHASE										5		6		7		8
SPLIT										2.8		1.4		1.9		2.9
MODE										.		.		.		.
PHASE										9		10		11		12
SPLIT										.		.		.		.
MODE										.		.		.		.
PHASE										13		14		15		16
SPLIT										.		.		.		.
MODE										.		.		.		.

VTRans Timing - Kocher Drive Bennington VT

Time Base Action Plan

Action Plan (MM)5-2

Plan	Pattern	Veh Det Plan	Flash	Red Rest	Controller Seq	Timing Plan	Override System	Detector Log	Veh Det Diag Plan	Ped Det Diag Plan	Dimming Enable
1	1	0	No	No	0	0	No	None	0	0	No
2	2	0	No	No	0	0	No	None	0	0	No
3	3	0	No	No	0	0	No	None	0	0	No
09	254 - FREE	0	No	No	0	0	No	None	0	0	No
100	255 - FLASH	0	No	No	0	0	No	None	0	0	No

Action Plan Phases

Plan	Phase	Ped Rcl	Walk 2	Vex 2	Veh Rcl	Max Rcl	Max 2	Max 3	CS Inhibit	Omit
2	1	No	No	No	No	No	Yes	No	No	No
2	2	No	No	No	No	No	Yes	No	No	No
2	3	No	No	No	No	No	Yes	No	No	No
2	4	No	No	No	No	No	Yes	No	No	No
2	5	No	No	No	No	No	Yes	No	No	No
2	6	No	No	No	No	No	Yes	No	No	No
2	7	No	No	No	No	No	Yes	No	No	No
2	8	No	No	No	No	No	Yes	No	No	No
3	1	No	No	No	No	No	No	Yes	No	No
3	2	No	No	No	No	No	No	Yes	No	No
3	3	No	No	No	No	No	No	Yes	No	No
3	4	No	No	No	No	No	No	Yes	No	No
3	5	No	No	No	No	No	No	Yes	No	No
3	6	No	No	No	No	No	No	Yes	No	No
3	7	No	No	No	No	No	No	Yes	No	No
3	8	No	No	No	No	No	No	Yes	No	No

Action Plan Special

Functions

Plan	Function
------	----------

Action Plan

Auxiliary Functions

Plan	Function
------	----------

Logic Statement Control

Plan	LP	Statement Control
------	----	-------------------

VTRans Timing - Koehner Drive Bennington VT

Time Base Day Plan/Schedule

Plan	Event	Action Plan	Start Time
1	1	1	6:00 AM
1	2	2	9:00 AM
1	3	3	2:00 PM
1	4	1	7:00 PM
1	5	99	11:00 PM
2	1	1	6:00 AM
2	2	2	9:00 AM
2	3	3	2:00 PM
2	4	1	9:00 PM
2	5	99	11:00 PM
3	1	1	6:00 AM
3	2	2	10:00 AM
3	3	1	6:00 PM
3	4	99	11:00 PM

Schedule (MM)S-4

Schedule Number	Day Plan Number	Months	Days of Week	Days of Month
1	1	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sept, Oct, Nov, Dec	Mon, Tues, Wed, Thurs	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31
2	2	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sept, Oct, Nov, Dec	Fri	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31
3	3	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sept, Oct, Nov, Dec	Sun, Sat	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31