MS # 605

US 302 WEST

BURGER KING

MCDONALDS

US 302 EAST

ONLY

ONLY

PEDESTAL POST

PEDESTRIAN SIGNAL

CONTROL BOX

LOOP DETECTION

PULL BOX

D =

NOT TO SCALE

MS # 605

N

US 302 WEST

12′ 12′ 10′

LANE LINE 160′

ONLY

12′ 12′

STOP BAR 34′

STOP BAR 24′

12′

LANE LINE 50′

12′

CROSSWALK 55′

BURGER KING

CROSSWALK 85′

12′

LANE LINE 50′

12′

STOP BAR 24′

CROSSWALK 82′

MCDONALDS

STOP BAR 36′

ONLY

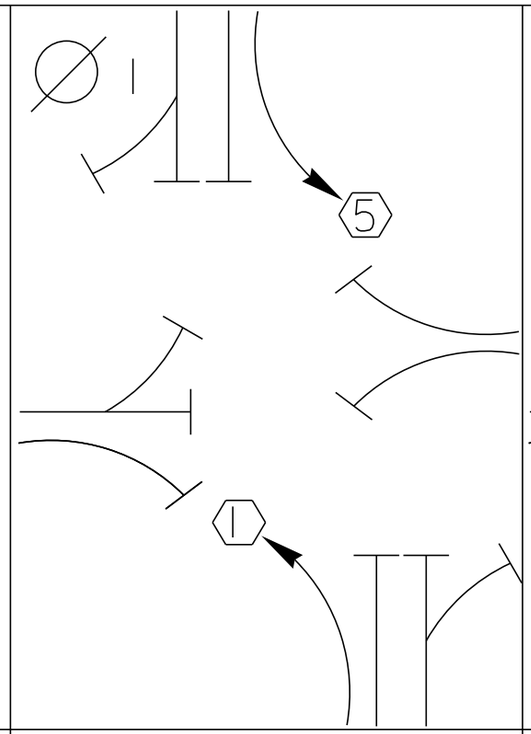
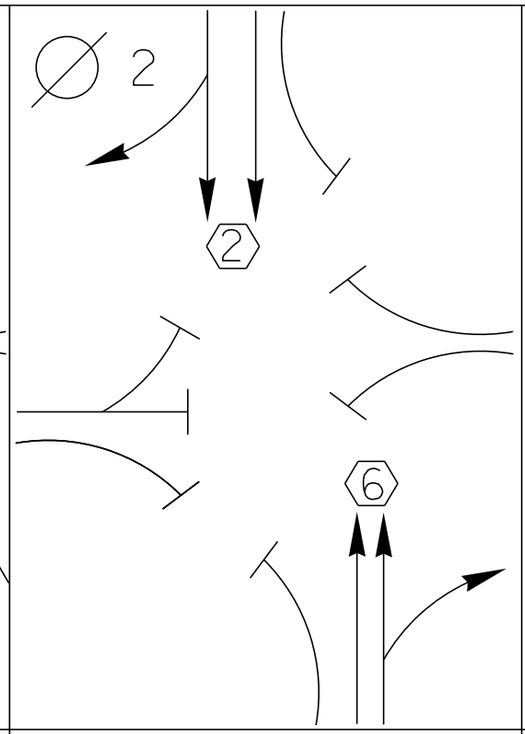
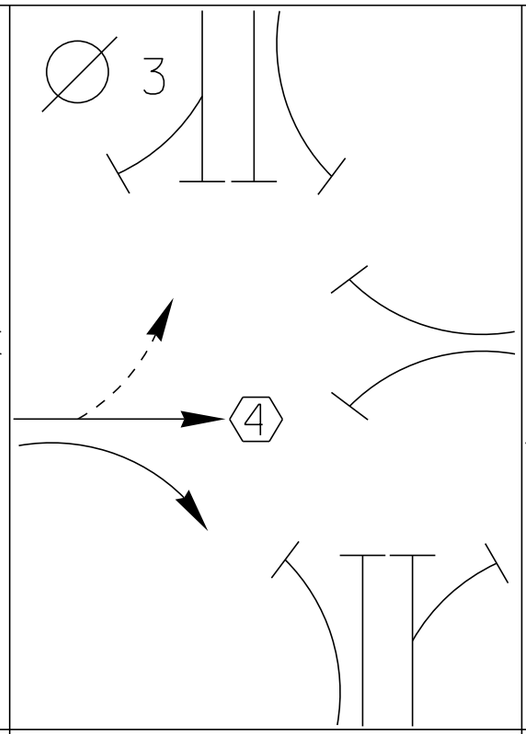
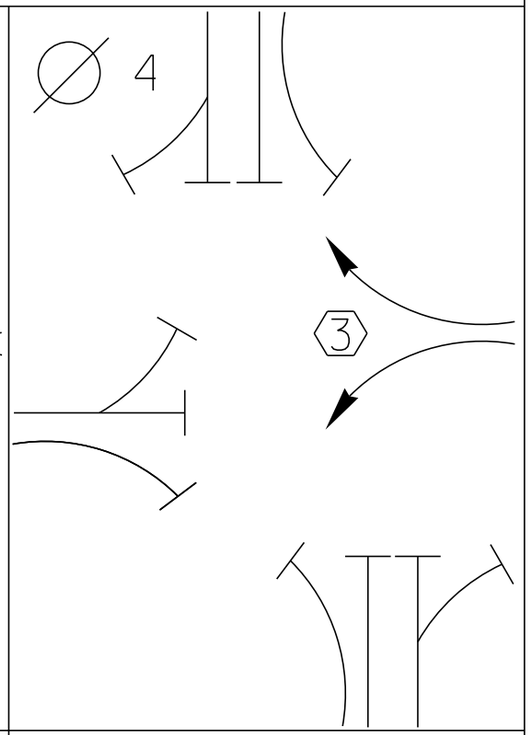
LANE LINE 110′

12′ 12′ 12′ 12′ 12′

US 302 EAST

NOT TO SCALE

INTERSECTION: US 302 & MCDONALDS MS # 605

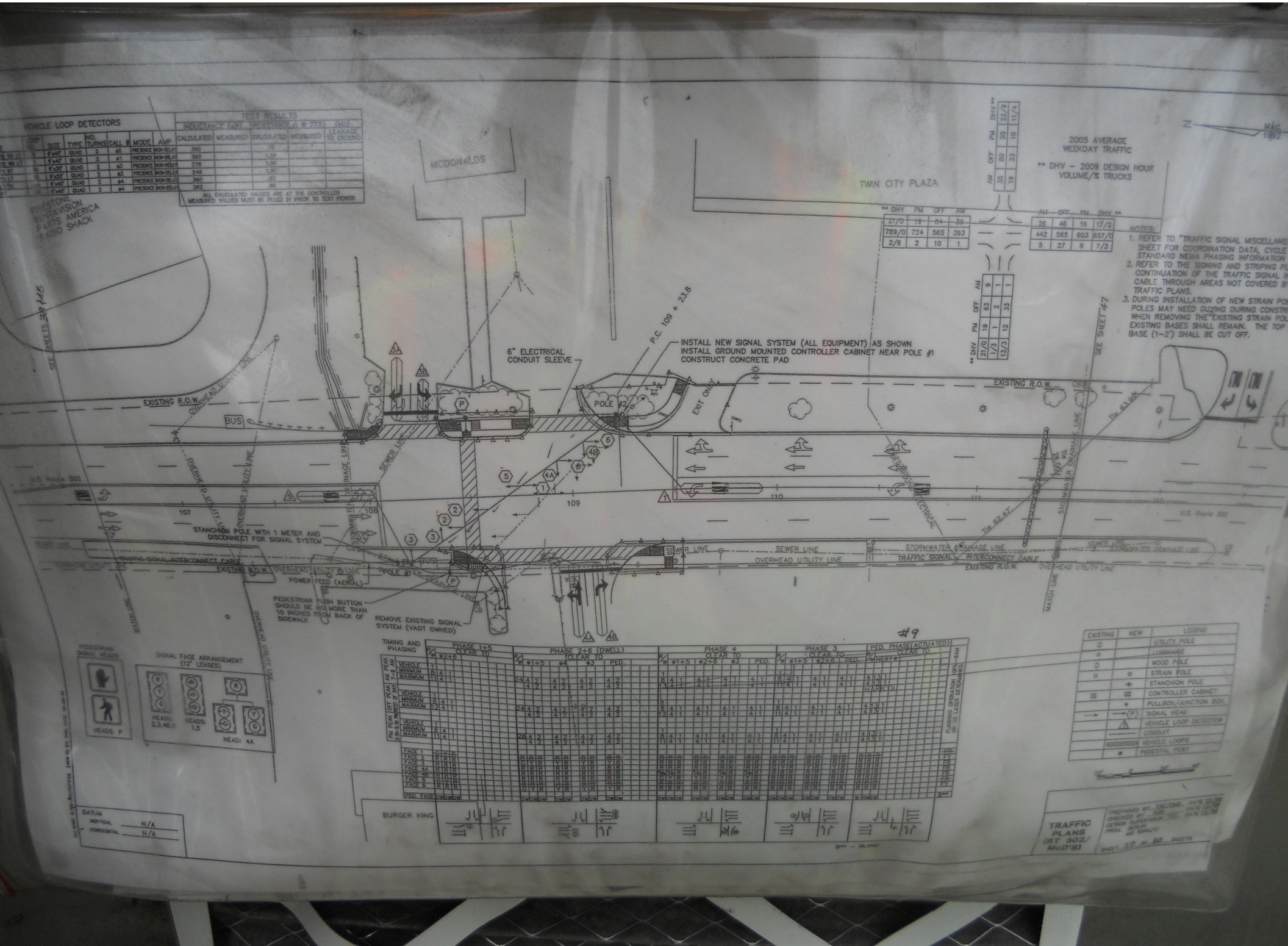
DIAGRAM N	∅ 1 	∅ 2 	∅ 3 	∅ 4 
TIMING	G = Y =	G = Y =	G = Y =	G = Y =
DIAGRAM	∅ 5	∅ 6	∅ 7	∅ 8
TIMING	G = Y =	G = Y =	G = Y =	G = Y =

PROTECTED TURNS

PERMITTED TURNS

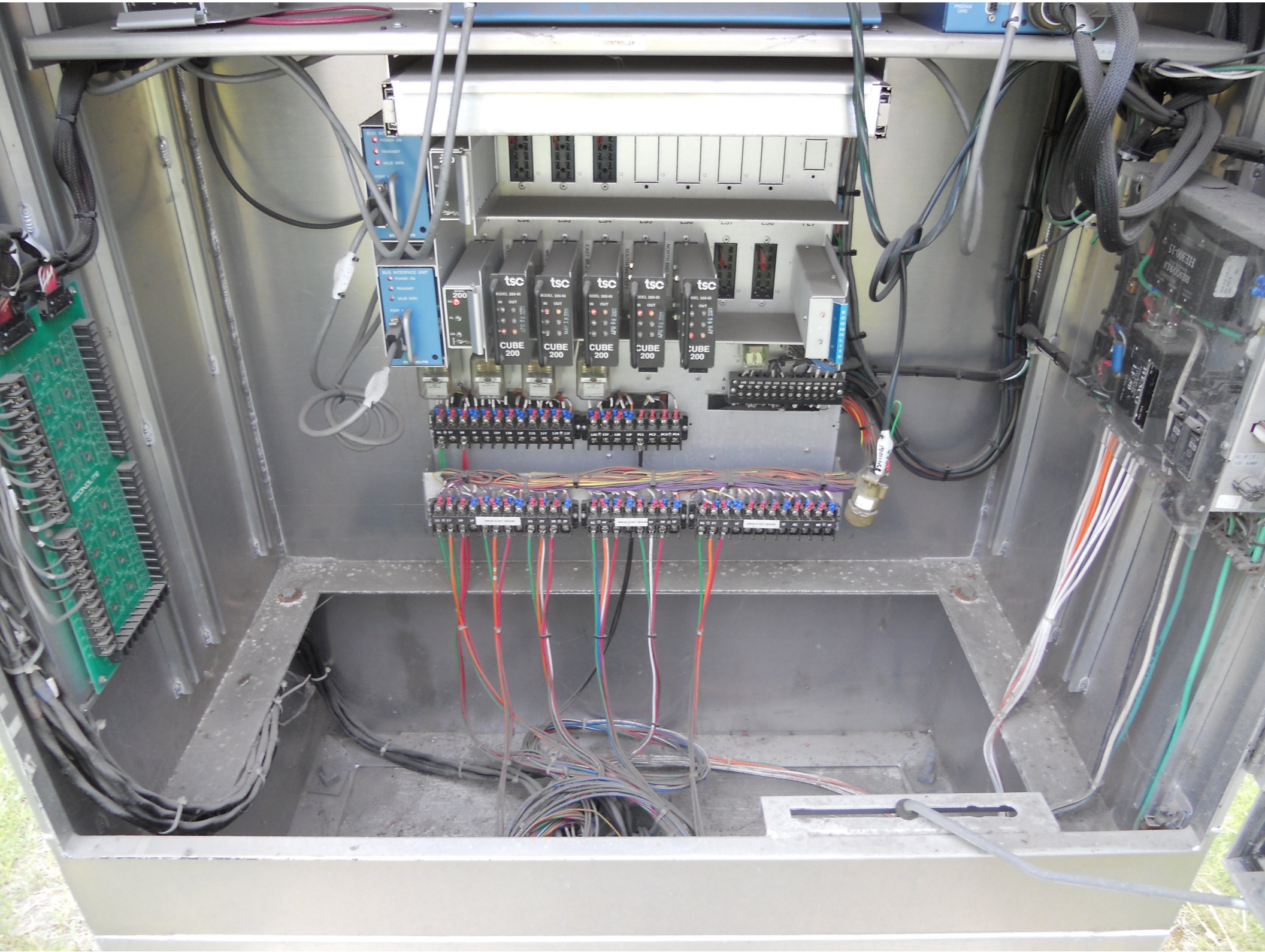
PEDESTRIAN

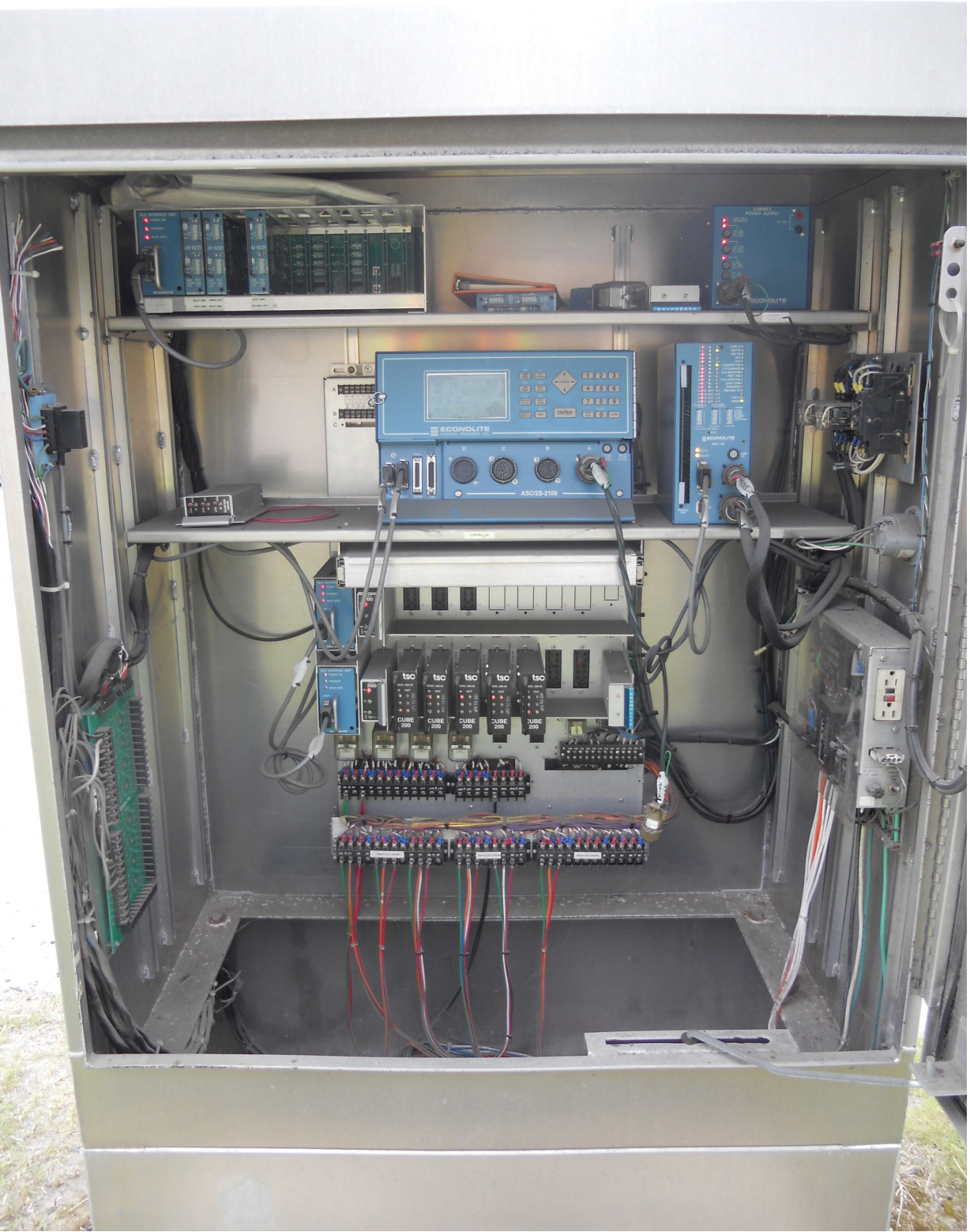
CYCLE LENGTH, C= _____ S


VEHICLE LOOP DETECTORS
TEST RESULTS
MCDONALDS
TWIN CITY PLAZA
FIRESTONE
RENTAVISION
PARTS AMERICA
RADIO SHACK
2005 AVERAGE WEEKDAY TRAFFIC
** DHV – 2009 DESIGN HOUR VOLUME/% TRUCKS
NOTES:
1. REFER TO "TRAFFIC SIGNAL MISCELLANE
SHEET FOR COORDINATION DATA, CYCLE
STANDARD NEMA PHASING INFORMATION
2. REFER TO THE SIGNING AND STRIPING PL
CONTINUATION OF THE TRAFFIC SIGNAL I
CABLE THROUGH AREAS NOT COVERED B
TRAFFIC PLANS.
3. DURING INSTALLATION OF NEW STRAIN PO
POLES MAY NEED GUYING DURING CONSTR
WHEN REMOVING THE EXISTING STRAIN PO
EXISTING BASES SHALL REMAIN. THE TOP
BASE (1–2') SHALL BE CUT OFF.
6" ELECTRICAL CONDUIT SLEEVE
INSTALL NEW SIGNAL SYSTEM (ALL EQUIPMENT) AS SHOWN
INSTALL GROUND MOUNTED CONTROLLER CABINET NEAR POLE #1
CONSTRUCT CONCRETE PAD
P.C. 109 + 23.8
EXISTING R.O.W.
OVERHEAD UTILITY LINE
SEWER LINE
STORMWATER DRAINAGE LINE
STANCHION POLE WITH 1 METER AND DISCONNECT FOR SIGNAL SYSTEM
TRAFFIC SIGNAL INTERCONNECT CABLE
POWER FEED (AERIAL)
PEDESTRIAN PUSH BUTTON SHOULD BE NO MORE THAN 10 INCHES FROM BACK OF SIDEWALK
REMOVE EXISTING SIGNAL SYSTEM (VAOT OWNED)
SEE SHEET #7
BUS
POLE #1
POLE #2
EXIT ONLY
TIE 62.47'
TIE 62.91'
MATCH LINE
U.S. Route 302
TIMING AND PHASING
PHASE 1+5 CLEAR TO
PHASE 2+6 (DWELL) CLEAR TO
PHASE 4 CLEAR TO
PHASE 3 CLEAR TO
PED. PHASE(ACTUATED) CLEAR TO
#9
SIGNAL FACE ARRANGEMENT (12" LENSES)
PEDESTRIAN SIGNAL HEADS
HEADS: P
HEADS: 2,3,4&6
HEADS: 1,5
HEAD: 4A
DATUM
VERTICAL N/A
HORIZONTAL N/A
BURGER KING
EXISTING
NEW
LEGEND
UTILITY POLE
LUMINAIRE
WOOD POLE
STRAIN POLE
STANCHION POLE
CONTROLLER CABINET
PULLBOX/JUNCTION BOX
SIGNAL HEAD
VEHICLE LOOP DETECTOR
CONDUIT
VEHICLE LOOPS
PEDESTAL POST
TRAFFIC PLANS (RT 302/ McD'S)


DANGER
115 VOLTS A.C.
WARNING
DO NOT OPERATE
CABINET WITHOUT
CMU / MMU
TURNED ON
8.20.01
CONTROLLER ON
OFF
SIGNALS AUTO
FLASH
MAIN ON
OFF
STOP TIME AUTO
OFF
ON
ECONOLITE
Loops
Green - Ø1 - NBLT
Brown Ø3 - WB
Blue - Ø3 - WB
White - Ø4 - EB
Black - Ø5 - SBLT


BUS INTERFACE UNIT
LM 622
LM 622
LM 622
CABINET
POWER SUPPLY
ECONOLITE
CONTROL PRODUCTS, INC.
ENTER
ASC/2S-2100
SDLC
TERM
MMU-16E
CONTROLLER
tsc
tsc
tsc
tsc
tsc


tsc
CUBE
200


ECONOLITE
ASC/2S-2100
tsc
CUBE 200


55KSI
YR OF MFG 2008
(DOT METAL CORPORATION)


DANGER
HAZARD OF ELECTRICAL SHOCK
OR BURN IF COVER REMOVED
SERVICE BY UTILITY
AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
ABB
Rr 13 8/9
KILOWATTHOURS
01M0126G01
SINGLE-STATOR WATTHOUR METER
TYPE AB1 S. 5570C20G38
FORM 2S 200 CL 240 V 3 W 60 HZ. TA 30 Kh 7.2
2A
203 256
*ACG012616653
12 616 653
MADE IN U.S.A.
NEW
USED
YEAR
MAKE
MODEL
BODY
COLOR
DANGER
HAZARD OF ELECTRICAL SHOCK
OR BURN IF COVER REMOVED
SERVICE BY UTILITY
AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL


McDonald's
24 hour
ANY SIZE
$1


McDonald's
Chimney Sweep II


McDonald's
McDonald's
24 hour
ANY SIZE
soft drink
or
sweet tea
$1


McDonald's


CHRYSLER
Plymouth
Dodge
HYUNDAI
Midstate
ONE WAY
ONE WAY


McDonald's
McDonald's


3GA. 14" X 32"
55KSI
YR OF MFG. 2000
UNION METAL CORPORATION


BURGER KING


BURGER KING
BURGER


BURGER KING
DRIVE THRU
VERMONT
LOTTERY
NO TURN ON RED
ONE WAY


SUBWAY
TWIN
CITY
PLAZA
Enterprise


1311
VERMONT
LOTTERY
GREEN MOUNTAIN
CREDIT UNION
VERMONT
DEPARTMENT OF EDUCATION
CVMC
Rehab Services

By-Phase Timing Data

	Phase											
Direction	1	2	3	4	5	6	7	8	9	10	11	12
Minimum Green	8	24	8	8	8	24	0	0	0	0	0	0
Bike Min Green	0	0	0	0	0	0	0	0	0	0	0	0
Cond Serv Min Grn	0	0	0	0	0	0	0	0	0	0	0	0
Walk	0	0	0	0	0	0	0	0	4	0	0	0
Ped Clearance	0	7	0	7	0	7	0	7	13	7	0	7
Veh Extension	2.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Veh Exten	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 Extension	0	0	0	0	0	0	0	0	0	0	0	0
Max 1	12	24	11	8	12	24	0	0	18	0	0	0
Max 2	11	24	11	8	11	24	0	0	18	0	0	0
Max 3	11	26	11	8	11	26	0	0	18	0	0	0
Det. Fail Max	0	0	0	0	0	0	0	0	0	0	0	0
Yellow Change	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0
Red Clearance	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	1.0	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
Act. B4 Init	0	0	0	0	0	0	0	0	0	0	0	0
Sec/Actuation	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 Initial	0	0	0	0	0	0	0	0	0	0	0	0
Time B4 Reduction	0	0	0	0	0	0	0	0	0	0	0	0
Cars Waiting	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
Minimum 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

Recall Data, Dimming

	Phase											
	1	2	3	4	5	6	7	8	9	10	11	12
Locking Detector. . . .	.	.	.	.	.	.	.	.	.	.	.	.
Vehicle Recall.	.	.	.	.	.	.	.	.	.	.	.	.
Pedestrian Recall . . .	.	.	.	.	.	.	.	.	.	.	.	.
Recall To Max	.	X	.	.	.	X	.	.	.	.	.	.
Soft Recall	.	.	.	.	.	.	.	.	.	.	.	.
Don't Rest Here	.	.	.	.	.	.	.	.	.	.	.	.
Ped Dark if No Call . .	.	.	.	.	.	.	.	.	.	.	.	.

Dimming:

	Load Switch															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Green/Walk. . . .	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Yellow/Ped Clear.	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Red/Don't Walk. .	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Coordination Patterns

Pattern 1

Cycle Length . . 80 COS 111
Offset 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 17 2- 30 3- 16 4- 17
Phase 5- 17 6- 30 7- 0 8- 0
Phase 9- 18 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		X				X						
Ped Recall												
Veh Omit												

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

Pattern 2

Cycle Length . . 80 COS 211
Offset 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 16 2- 30 3- 16 4- 18
Phase 5- 16 6- 30 7- 0 8- 0
Phase 9- 18 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		X				X						
Ped Recall												
Veh Omit												

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

Pattern 3

Cycle Length . . 80 COS 311
Offset 0
Vehicle Permissive . . [1] 0 [2] 0
Vehicle Perm 2 Displacement 0 Phase Reservice. . NO
Splits: Phase 1- 16 2- 32 3- 16 4- 16
Phase 5- 16 6- 32 7- 0 8- 0
Phase 9- 18 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		X				X						
Ped Recall												
Veh Omit												

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

Berlin US302, Corridor MS 605 US-302 & McDonalds & BK 8/13/2012 8:29

TOD Weekly/Yearly

Weekly Program Numbers

	1	2	3	4	5	6	7	8	9	10	
Sunday . . .	1	1	1	1	1	1	1	1	1	1	Program No.
Monday . . .	1	1	1	1	1	1	1	1	1	1	Program No.
Tuesday. . .	1	1	1	1	1	1	1	1	1	1	Program No.
Wednesday. .	1	1	1	1	1	1	1	1	1	1	Program No.
Thursday . .	1	1	1	1	1	1	1	1	1	1	Program No.
Friday . . .	1	1	1	1	1	1	1	1	1	1	Program No.
Saturday . .	1	1	1	1	1	1	1	1	1	1	Program No.

Week of Year

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Prog	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Prog	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
Prog	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

NIC Program Steps

Step	Program	Step Begins	Pattern	Override
1	1	0600	2	NO
2	1	0700	1	NO
3	1	0900	2	NO
4	1	1530	3	NO
5	1	1730	2	NO

TOD Program Steps

Step 1 Program 1 Step Begins 0600

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	.	X	.	.	.	X	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Function	.	.	.	.	.	.	.	.				

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

Step 2 Program 1 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	X	X	X	X	X	X	.	.	.	.	.	.
Max 3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall	.	X	.	.	.	X	.	.	.	.	.	.
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 0900

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	.	X	.	.	.	X	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Function	.	.	.	.	.	.	.	.				

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

Step 4 Program 1 Step Begins 1530

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	X	X	X	X	X	X	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recall	.	X	.	.	.	X	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Function	.	.	.	.	.	.	.	.				

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

TOD Program Steps

Step 5 Program 1 Step Begins 1730

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	.	X	.	.	.	X	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Service Inhibit. . . .	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Function	.	.	.	.	.	.	.	.				

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

Step 6 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	.	.	.	.	.	.
