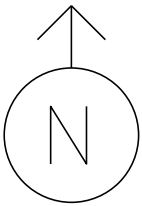


MS # 605



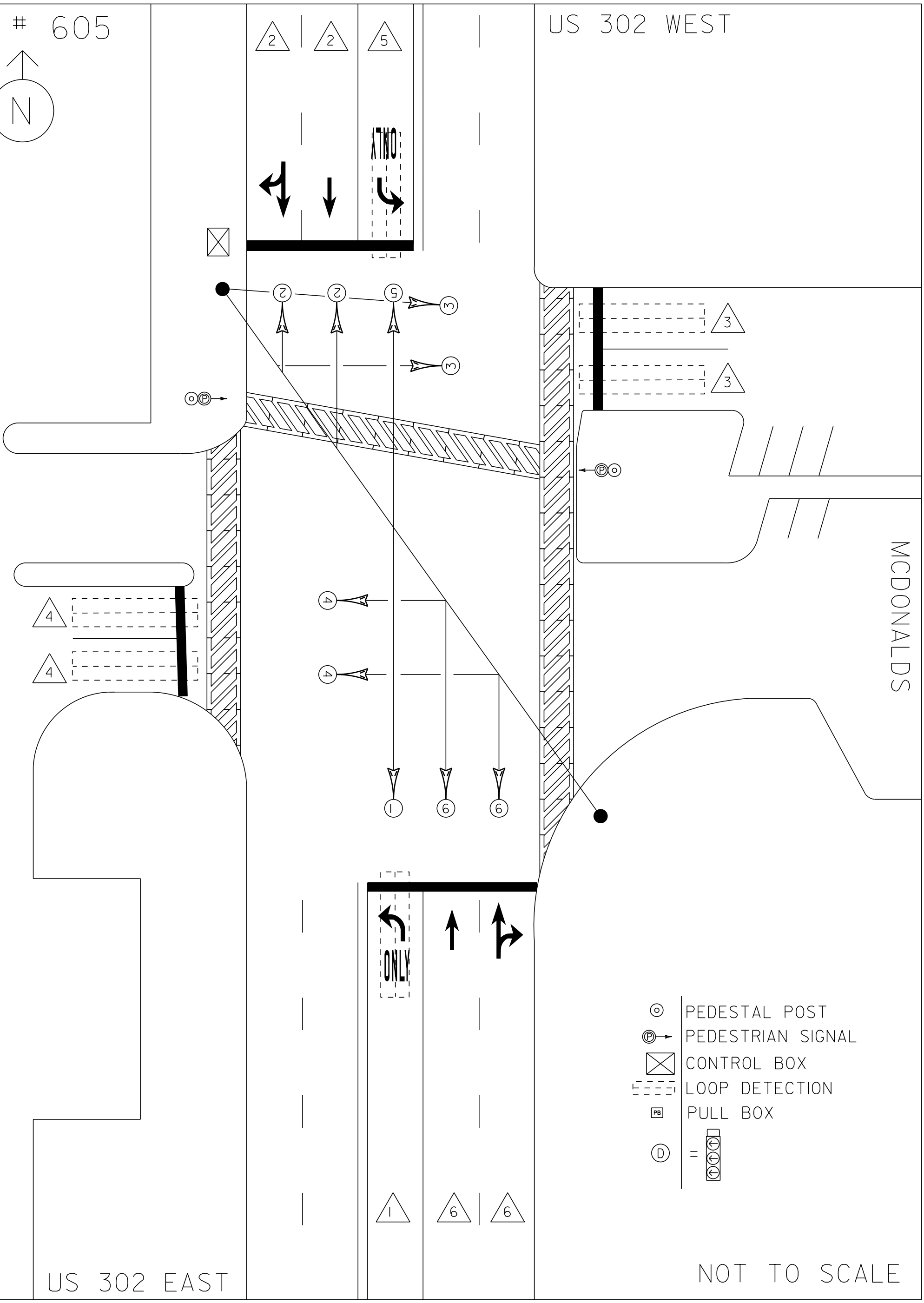
US 302 WEST

BURGER KING

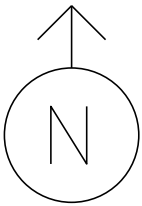
MCDONALDS

US 302 EAST

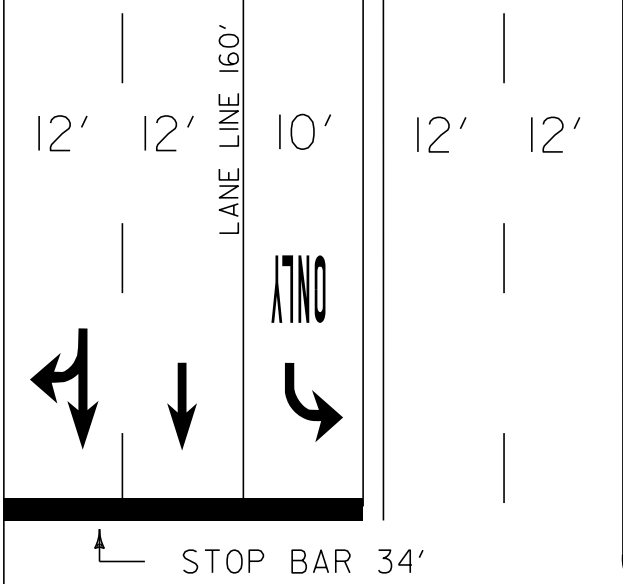
NOT TO SCALE



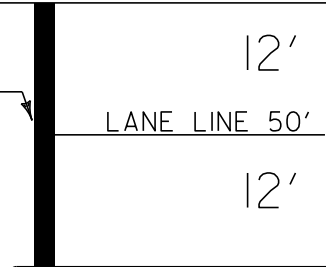
MS # 605



US 302 WEST

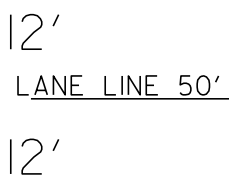


STOP BAR 24'



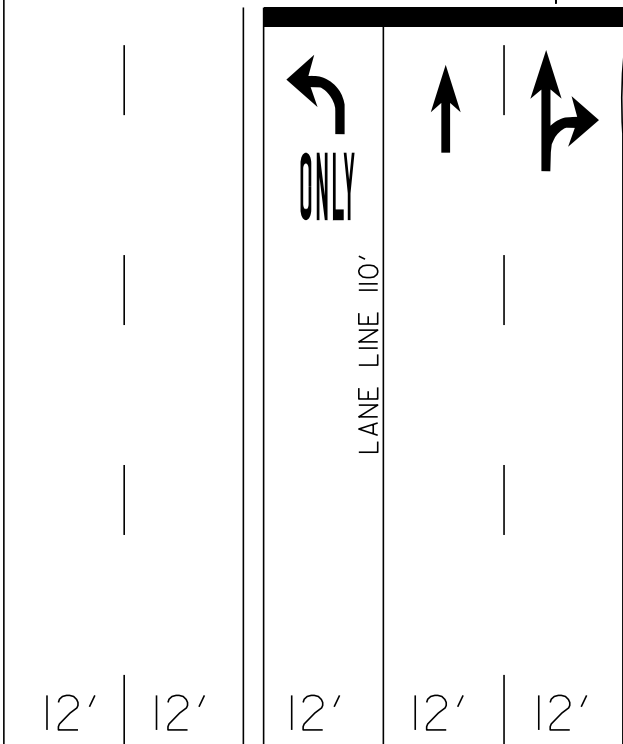
CROSSWALK 85'

STOP BAR 24'



CROSSWALK 82'

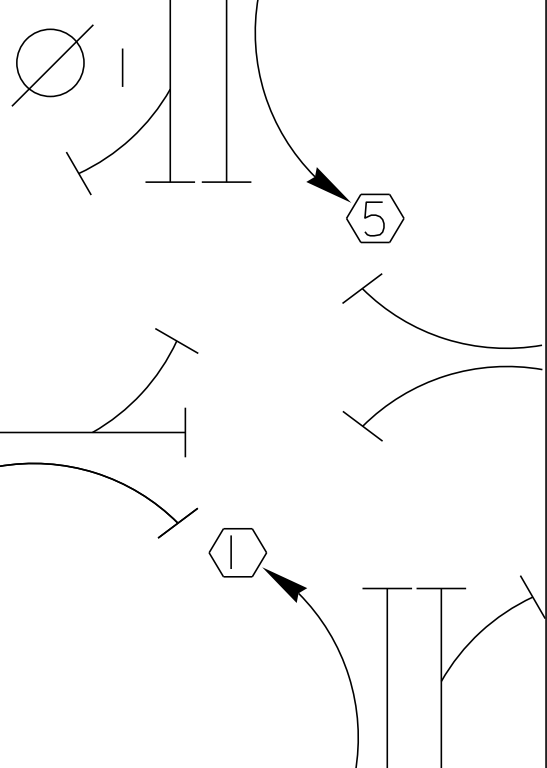
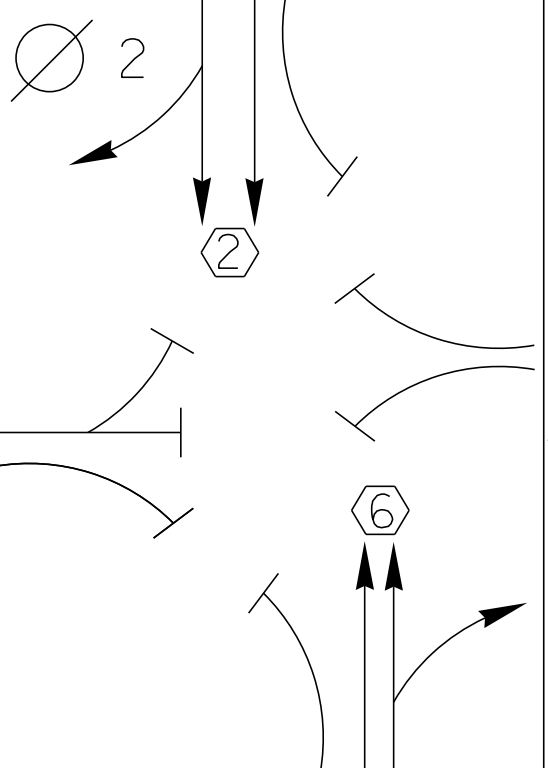
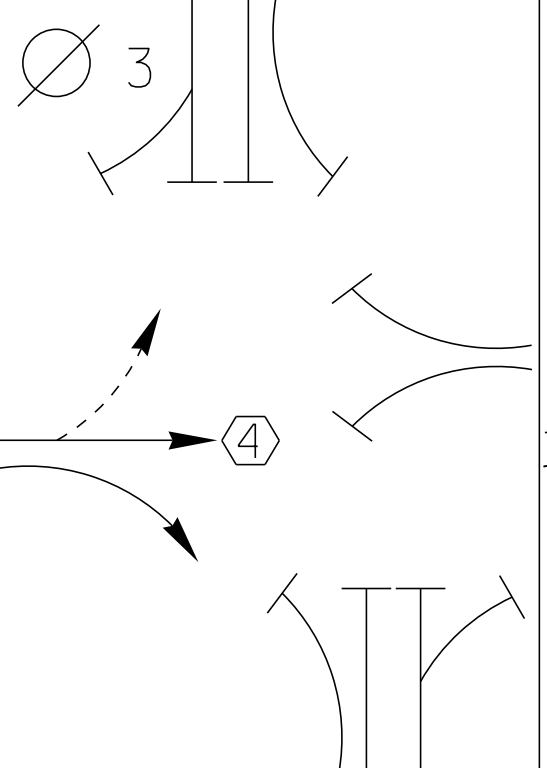
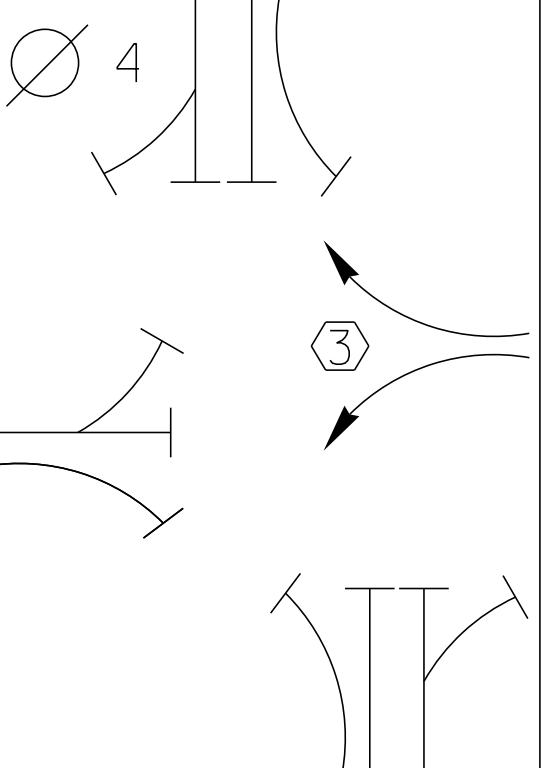
STOP BAR 36'



MCDONALDS

US 302 EAST

NOT TO SCALE

D I A G R A M N ↑				
TIMING	G = Y =	G = Y =	G = Y =	G = Y =
D I A G R A M	Ø 5	Ø 6	Ø 7	Ø 8
TIMING	G = Y =	G = Y =	G = Y =	G = Y =

 PROTECTED
TURNS


 PERMITTED
TURNS
PEDESTRIAN

CYCLE LENGTH, C= _____ S



VEHICLE LOOP DETECTORS

TEST RESULTS									
NO.	TYPE	NO. OF LAMP	MODE	INDUCTANCE (mH)	RESISTANCE (ohms)	INDUCTANCE (mH)	RESISTANCE (ohms)	INDUCTANCE (mH)	RESISTANCE (ohms)
1	4x4	2	61	PRESIDENCE NON-DELAY	280	1.20	1.20	280	1.20
2	4x4	2	61	PRESIDENCE NON-DELAY	285	1.20	1.20	285	1.20
3	4x4	2	61	PRESIDENCE NON-DELAY	278	1.20	1.20	278	1.20
4	4x4	2	61	PRESIDENCE NON-DELAY	248	1.20	1.20	248	1.20
5	4x4	2	61	PRESIDENCE NON-DELAY	280	1.20	1.20	280	1.20
6	4x4	2	61	PRESIDENCE NON-DELAY	282	1.20	1.20	282	1.20

ALL CALCULATED VALUES ARE AT THE CONTROLLER
MEASURED VALUES MUST BE FILED IN PIVOT TO TEST PERIOD

FRONTIER
TELEVISION
PARTS AMERICA
RADIO SHACK

SEE SHEET 38 145

2005 AVERAGE
WEEKDAY TRAFFIC
** DHV - 2009 DESIGN HOUR
VOLUME/% TRUCKS

TWIN CITY PLAZA

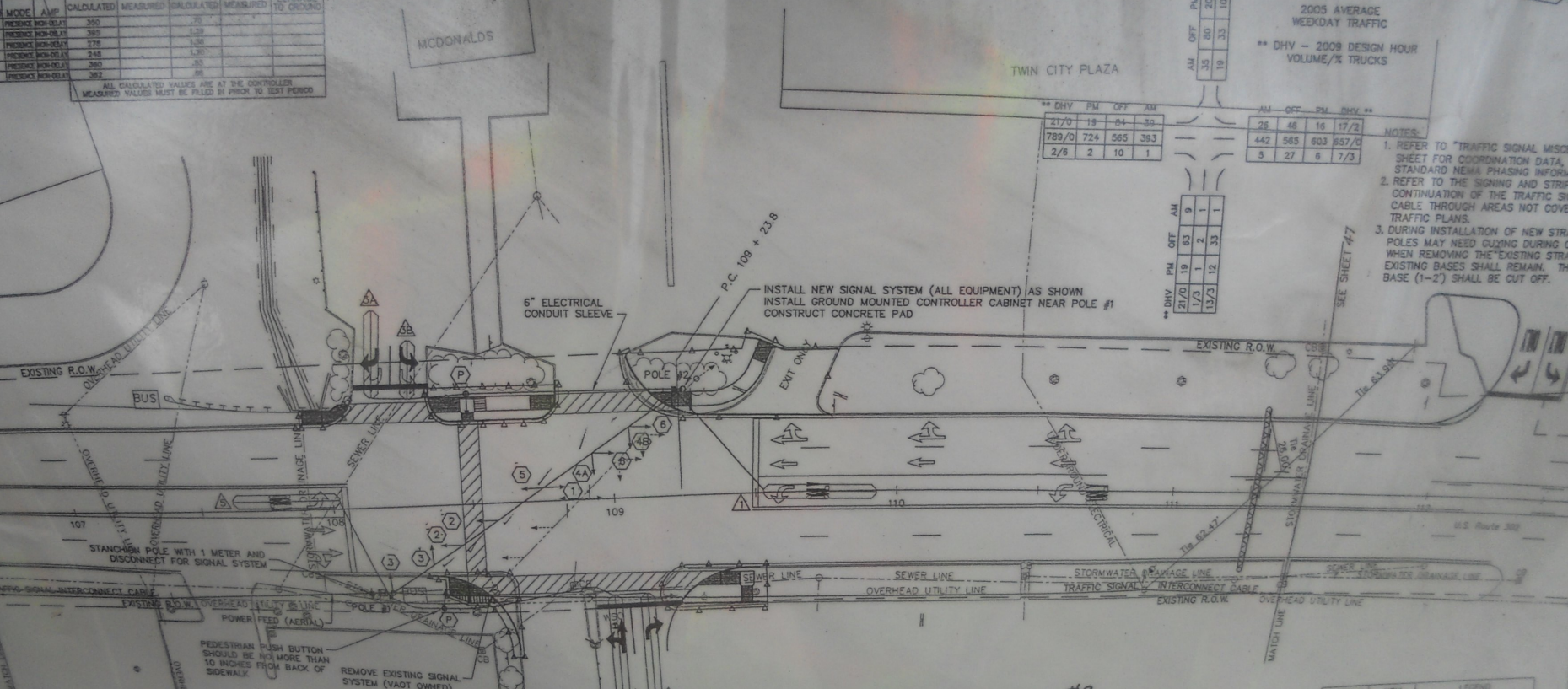
DMV	PM	OFF	AM
21/0	19	04	30
789/0	724	565	393
2/8	2	10	1

DMV	PM	OFF	AM
26	48	16	17/2
442	585	603	657/0
5	27	6	7/3

- NOTES:
1. REFER TO "TRAFFIC SIGNAL MISCELLANEOUS" SHEET FOR COORDINATION DATA, CYCLE STANDARD NEMA PHASING INFORMATION.
 2. REFER TO THE SIGNING AND STRIPING PLAN CONTINUATION OF THE TRAFFIC SIGNAL IN CABLE THROUGH AREAS NOT COVERED BY TRAFFIC PLANS.
 3. DURING INSTALLATION OF NEW STRAIN POLES MAY NEED GUYING DURING CONSTRUCTION WHEN REMOVING THE EXISTING STRAIN POLES EXISTING BASES SHALL REMAIN. THE TOP BASE (1-2) SHALL BE CUT OFF.

DMV	PM	OFF	AM
21/0	19	04	30
789/0	724	565	393
2/8	2	10	1

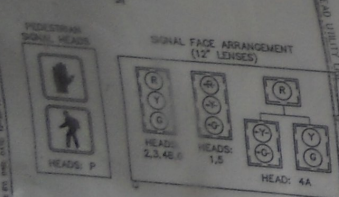
SEE SHEET 47



STANCHION POLE WITH 1 METER AND DISCONNECT FOR SIGNAL SYSTEM

PEDESTRIAN PUSH BUTTON SHOULD BE NO MORE THAN 10 INCHES FROM BACK OF SIDEWALK

REMOVE EXISTING SIGNAL SYSTEM (VADT OWNED)



TIMING AND PHASING									
PHASE 1-2		PHASE 2-3 (DOWELL)		PHASE 4		PHASE 5		PED. PHASE (ACTUATED)	
VEHICLE	MINIMUM	VEHICLE	MINIMUM	VEHICLE	MINIMUM	VEHICLE	MINIMUM	VEHICLE	MINIMUM
1	1.4	1	1.4	1	1.4	1	1.4	1	1.4
2	1.4	2	1.4	2	1.4	2	1.4	2	1.4
3	1.4	3	1.4	3	1.4	3	1.4	3	1.4
4	1.4	4	1.4	4	1.4	4	1.4	4	1.4
5	1.4	5	1.4	5	1.4	5	1.4	5	1.4
6	1.4	6	1.4	6	1.4	6	1.4	6	1.4
7	1.4	7	1.4	7	1.4	7	1.4	7	1.4
8	1.4	8	1.4	8	1.4	8	1.4	8	1.4
9	1.4	9	1.4	9	1.4	9	1.4	9	1.4
10	1.4	10	1.4	10	1.4	10	1.4	10	1.4
11	1.4	11	1.4	11	1.4	11	1.4	11	1.4
12	1.4	12	1.4	12	1.4	12	1.4	12	1.4

EXISTING	NEW	LEGEND
○	○	UTILITY POLE
○	○	LUMINAIRE
○	○	WOOD POLE
○	○	STRAIN POLE
○	○	STANCHION POLE
○	○	CONTROLLER CABINET
○	○	PULLBOX/LUNCTION BOX
○	○	SIGNAL HEAD
○	○	VEHICLE LOOP DETECTOR
○	○	CONDUIT
○	○	VEHICLE LOOPS
○	○	PEDESTAL POST

TRAFFIC PLANS
PREPARED BY: T.E.D. DATE: 10/10/09
CHECKED BY: J.E. DATE: 10/10/09
DESIGN SUPERVISOR: J.E. DATE: 10/10/09
PROJECT NO.: 09-001
SHEET 32 OF 32 SHEETS



TURNED ON
820.01

DANGER

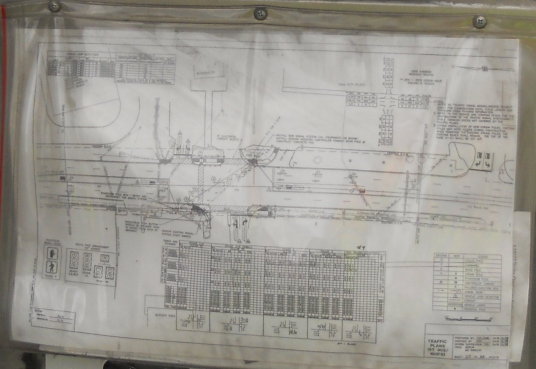
115 VOLTS A.C.

WARNING

DO NOT OPERATE
CABINET WITHOUT
CMU / MMU



SECONOLITE



loops
Green - 01 - N&L7
Brown - 03 - W13
Blue - 03 - W6
White - 04 - E3
Black - 05 - 207



BUS INTERFACE UNIT

POWER ON
TRANSMIT
RECEIVE DATA

LM 622 LM 622 LM 622

ECONOLITE

WEST BNC NINO LEFT EAST BNC

LM 622

CABINET POWER SUPPLY

LOW VOLTAGE
HIGH VOLTAGE

ECONOLITE

ECONOLITE
CONTROL PRODUCTS, INC.

ASC/2S-2100

1 2 3
4 5 6
7 8 9
ENTER
0

A B C D

SOLE TERM ILM

ECONOLITE
MMO-100

CONFLICT
NOI FAL
CWM NO
200-1
200-2
CLEARANCE
YAW CLEARANCE
DUAL INDICATION
PORT 1 FAL
FIELD CHECK MAIL
LOCAL FLASHY
DIAGNOSTIC
PDM CARD CF
TYPE 10
POWER

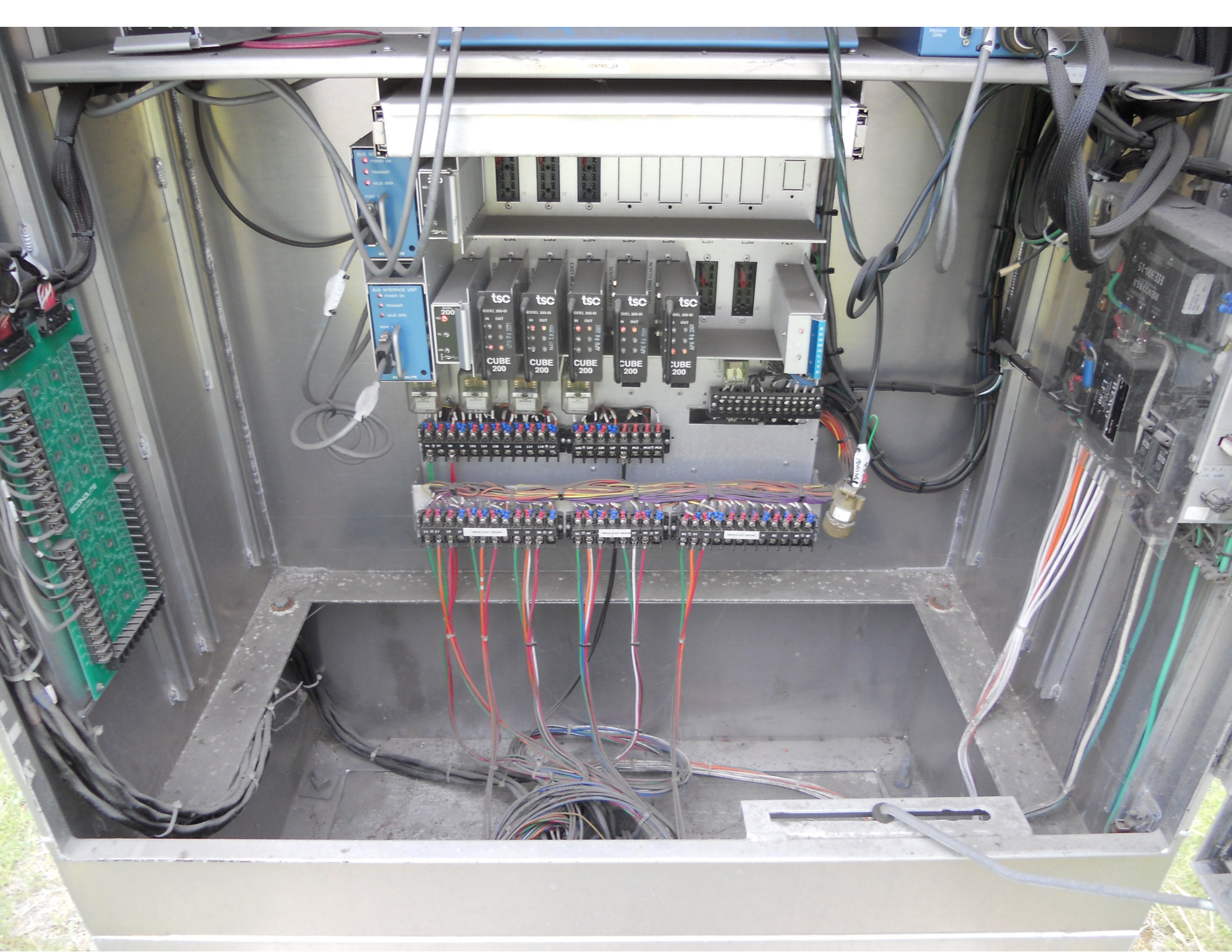
RECEIVE
TRANSMIT

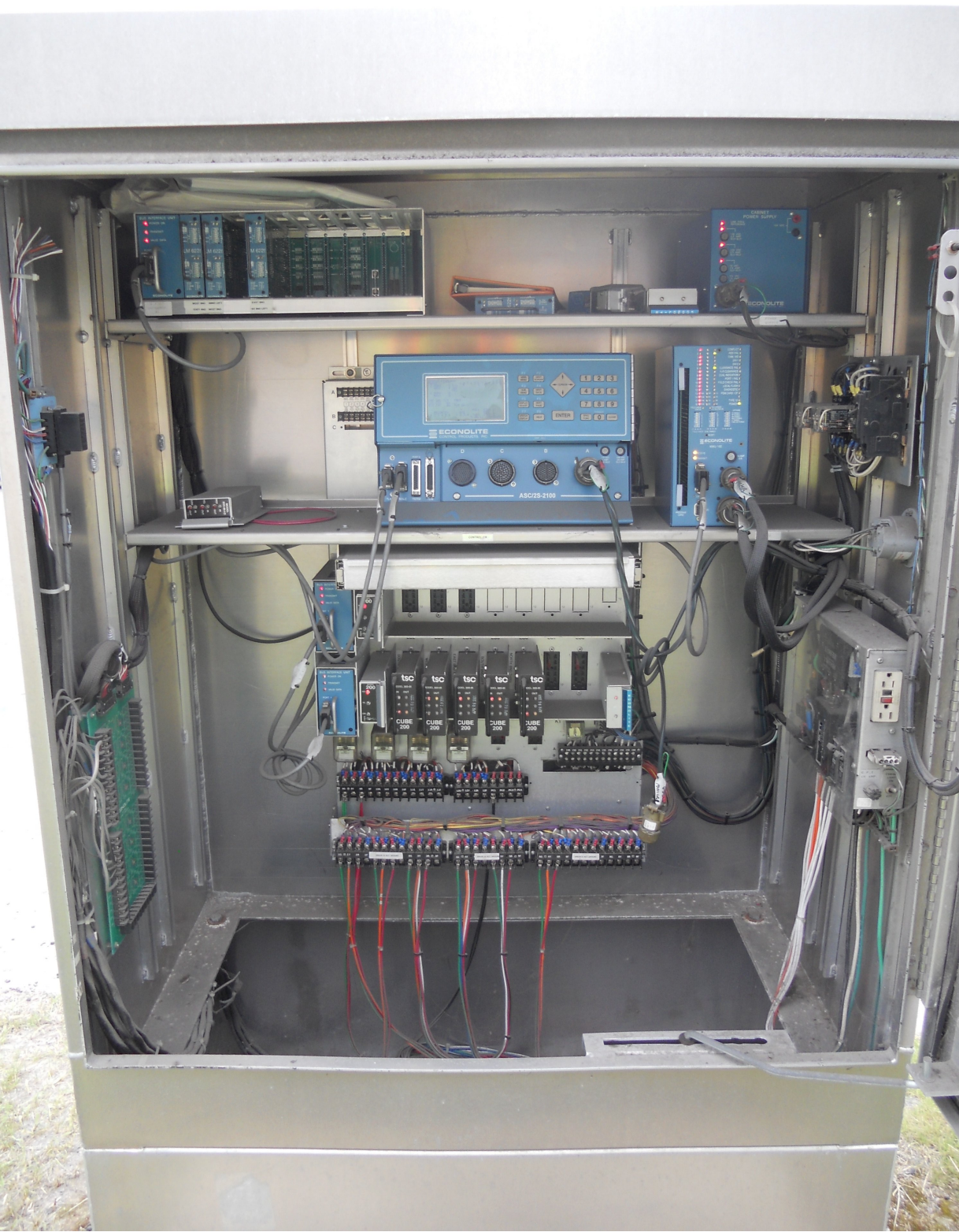
POWER SUPPLY

5V 10V 15V 20V 25V 30V 35V 40V 45V 50V 55V 60V 65V 70V 75V 80V 85V 90V 95V 100V

CONTROLLER

tsc tsc tsc tsc tsc







06. 11' x 32'
55KSI
YR OF MFG. 2000
EJMETAL 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
T0482P-M01 REV.11



NEW ☐ USED ☐

YEAR _____

MAKE _____

MODEL _____

BODY _____

COLOR _____

ABB

⚡ DANGER
HAZARD OF ELECTRICAL SHOCK
OR BURN IF COVER REMOVED
SERVICE BY UTILITY
AUTHORIZED PERSONNEL ONLY
DO NOT PAINT OVER OR REMOVE THIS LABEL
T0482P-M01 REV.11







McDonald's

24
hour

ANY SIZE
soft drink
or
sweet tea
\$1









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



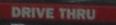








BURGER KING





HAIR
ADVANT

SUBWAY

Edman Jones

Edman Jones

SUBWAY
TWIN
CITY
PLAZA

Enterprise

Enterprise





[illegible]

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: .

```


.....

[illegible][illegible]

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	.	.	.	.	.	.	.	.	.	.	.	.

Alt Sequence A B C D E F

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	.	.	.	.	.	.	.	.	.	.	.	.

Alt Sequence A B C D E F

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	.	.	.	.	.	.