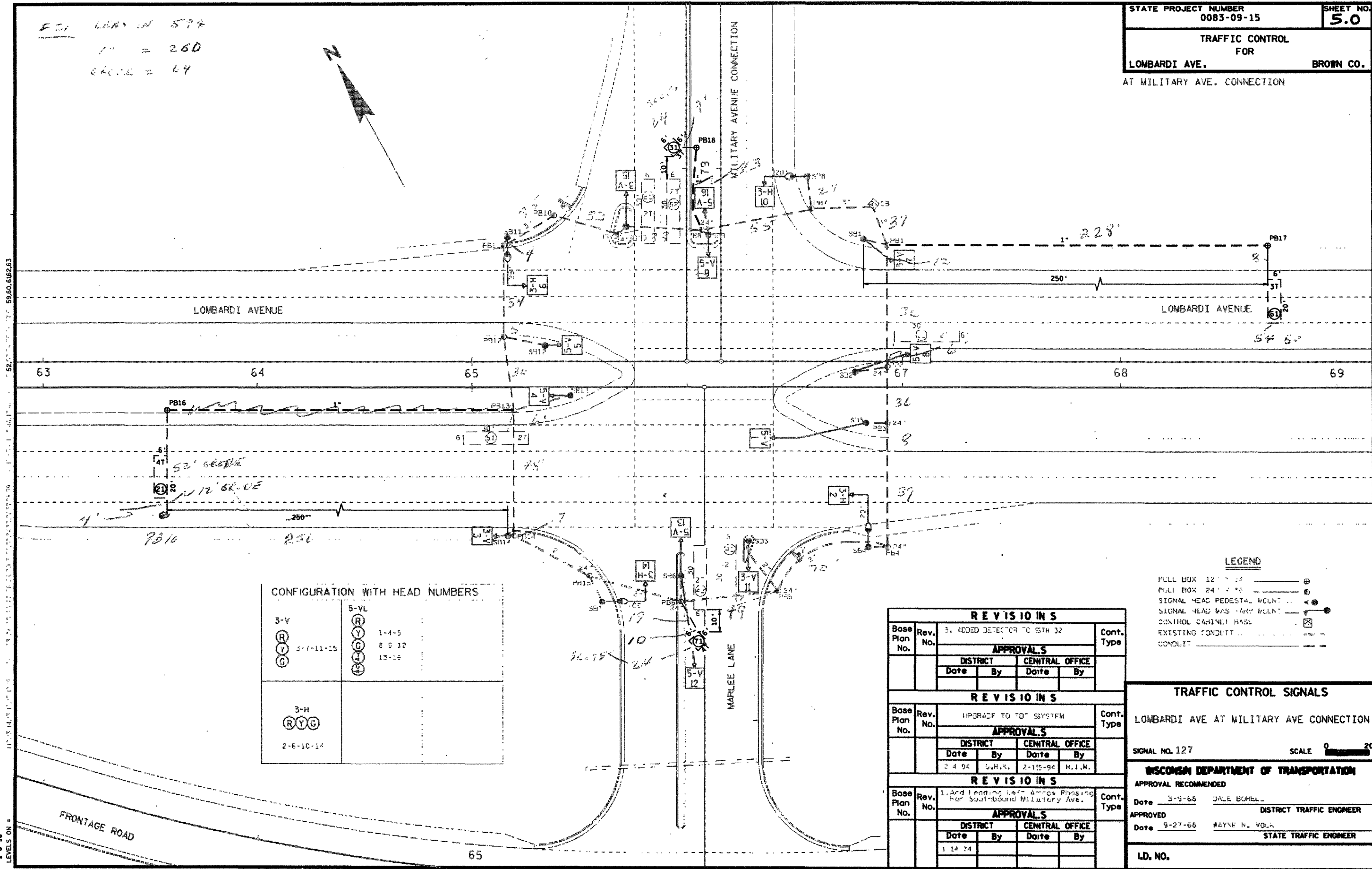


FDI LCB IN 594
1" = 260'
SCALE = 1/4"

STATE PROJECT NUMBER 0083-09-15	SHEET NO. 5.0
TRAFFIC CONTROL FOR LOMBARDI AVE. AT MILITARY AVE. CONNECTION	



CONFIGURATION WITH HEAD NUMBERS			
3-V	5-VL		
(R)	(R)	1-4-5	
(Y)	(Y)	8 9 12	
(G)	(G)	13-18	
3-H			
(R)			
(Y)			
(G)			
2-6-10-14			

REVISIONS			
Base Plan No.	Rev. No.	3. ADDED DETECTOR TO 55TH ST	Cont. Type
APPROVALS			
DISTRICT		CENTRAL OFFICE	
Date	By	Date	By
3-4-94	G.W.K.	2-15-94	R.J.N.
REVISIONS			
Base Plan No.	Rev. No.	UPGRADE TO TCM SYSTEM	Cont. Type
APPROVALS			
DISTRICT		CENTRAL OFFICE	
Date	By	Date	By
1-14-94			
REVISIONS			
Base Plan No.	Rev. No.	1. And Leading Left Arrow Phasing For Southbound Military Ave.	Cont. Type
APPROVALS			
DISTRICT		CENTRAL OFFICE	
Date	By	Date	By
1-14-94			

LEGEND	
PULL BOX 12" x 18"	⊗
PULL BOX 24" x 18"	⊙
SIGNAL HEAD PEDESTAL MOUNT	⬆
SIGNAL HEAD BASE (ANY MOUNT)	⬆
CONTROL CABINET BASE	⊠
EXISTING CONDUIT	---
CONDUIT	---
TRAFFIC CONTROL SIGNALS	
LOMBARDI AVE AT MILITARY AVE CONNECTION	
SIGNAL NO. 127	SCALE 0 20
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
Date 3-9-94	DALE BOWELL
APPROVED	DISTRICT TRAFFIC ENGINEER
Date 9-27-94	WAYNE N. VOLK
	STATE TRAFFIC ENGINEER
I.D. NO.	

SEQUENCE OF OPERATION

01

02

03

04

HEAD NUMBERS	01 CLEAR TO				02 CLEAR TO				03 CLEAR TO				04 CLEAR TO			
	R/W	**			R/W	**			R/W	**			R/W	**		
01 5-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 1-2-3-4	R	R	R		G	R	Y		R	R	R		R	R	R	
03 13-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04 9-10-11-12	-	-	-	-	R	R	R		R	R	R		G	R	Y	
05 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06 5-6-7-8	R	R	R		R	R	R		R	R	R		R	R	R	
07 9-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08 13-14-15-16	R	R	R		R	R	R		R	R	R		R	R	R	

FLASH
-
Y
-
R
-
Y
-
R

SEQUENCE OF OPERATION

05

06

07

08

HEAD NUMBERS	05 CLEAR TO				06 CLEAR TO				07 CLEAR TO				08 CLEAR TO			
	R/W	**			R/W	**			R/W	**			R/W	**		
01 5-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02 1-2-3-4	R	R	R		R	R	R		R	R	R		R	R	R	
03 13-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04 9-10-11-12	R	R	R		R	R	R		R	R	R		R	R	R	
05 1-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06 5-6-7-8	R	R	R		G	R	Y		R	R	R		R	R	R	
07 9-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08 13-14-15-16	R	R	R		R	R	R		R	R	R		G	R	Y	

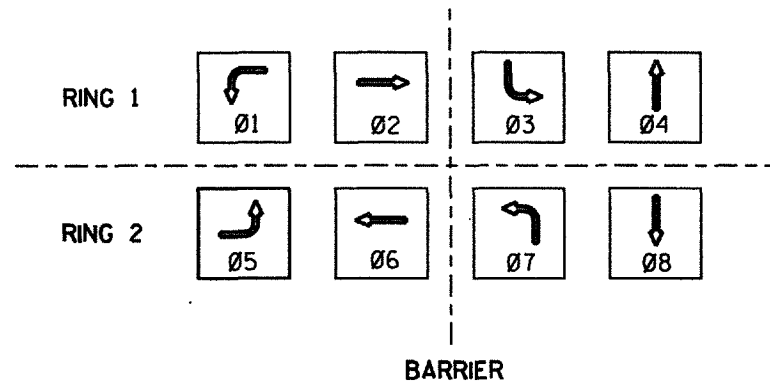
FLASH
-
Y
-
R
-
Y
-
R

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY						
11	1	X			#1	#1				6X30
21	2	X			#2	#2				6X20
31	3	X			#3	#3				6X6
41	4	X			#4	#4				6X30
42	4	X			#4	#4				6X30
51	5	X			#5	#5				6X30
61	6	X			#6	#6				6X20
71	7	X			#7	#7				6X6
81	8	X			#8	#8				6X30
82	8	X			#8	#8				6X30

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL
1			
2			MIN.
3		W / #8	
4		W / #8	
5			
6			MIN.
7		W / #4	
8		W / #4	



** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)

TYPE OF INTERCONNECT

NONE	
TBC	X
CLOSED LOOP	
HARDWIRE	
tone (FREQ)	

TYPE OF PRE-EMPT

NONE	X
RAILROAD	
EMERGENCY VEHICLE	

TYPE OF LIGHTING

NONE	
IN TRAFFIC CONTROL CABINET	X
IN SEPARATE CONTROL CABINET	

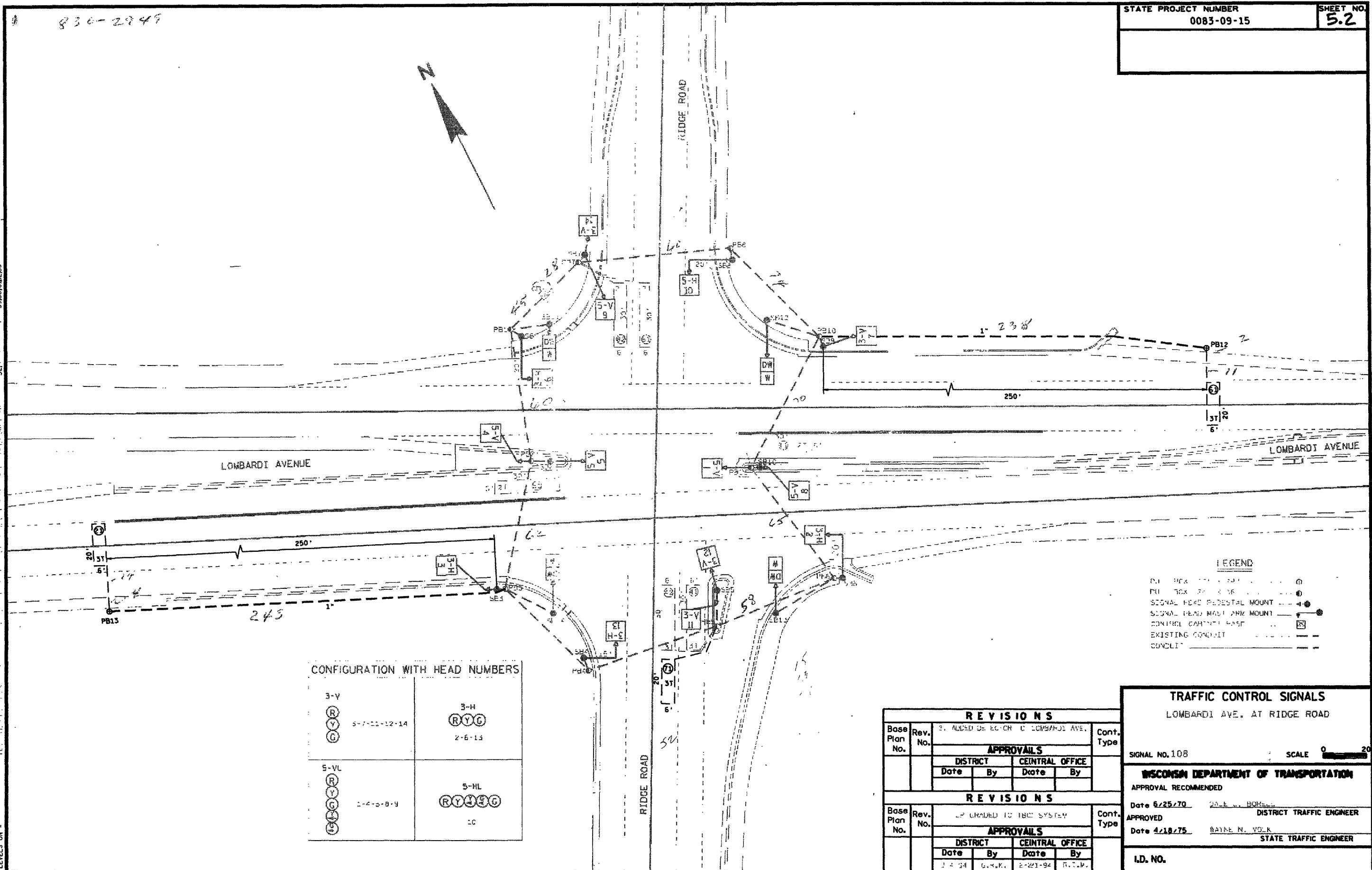
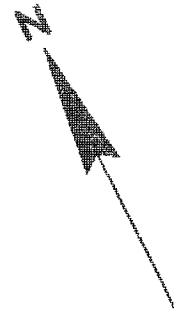
CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01	5-6	2,3,4,7,8
02	5-6	1,3,4,7,8
03	7-8	1,2,4,5,6
04	7-8	1,2,3,5,6
05	1-2	3,4,6,7,8
06	1-2	3,4,5,7,8
07	3-4	1,2,5,6,8
08	3-4	1,2,5,6,7

- GENERAL NOTES:
1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
3. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.

830-2949

STATE PROJECT NUMBER 0083-09-15 SHEET NO. 5.2



CONFIGURATION WITH HEAD NUMBERS

3-V (R) (Y) (G) 3-7-11-12-14	3-H (R) (Y) (G) 2-6-13
5-VL (R) (Y) (G) (L) (S) 1-4-5-8-9	5-HL (R) (Y) (G) (L) (S) 10

- LEGEND
- P.D. BOX
 - P.D. BOX
 - SIGNAL HEAD PEDESTAL MOUNT
 - SIGNAL HEAD MAST ARM MOUNT
 - CONTROL CABINET EAST
 - EXISTING CONDUIT
 - CONDUIT

REVISIONS					
Base Plan No.	Rev. No.	Description			
		3. ALIGNED SECTION OF LOMBARDI AVE.			
APPROVALS					
DISTRICT		CENTRAL OFFICE			
Date	By	Date	By		
REVISIONS					
Base Plan No.	Rev. No.	Description			
		UP GRADED TO TSC SYSTEM			
APPROVALS					
DISTRICT		CENTRAL OFFICE			
Date	By	Date	By		
3-4-74	G.W.K.	2-21-94	R.T.M.		

TRAFFIC CONTROL SIGNALS
LOMBARDI AVE. AT RIDGE ROAD

SIGNAL NO. 108 SCALE 0' = 20'

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date 6/25/70 DATE BY BORRILL

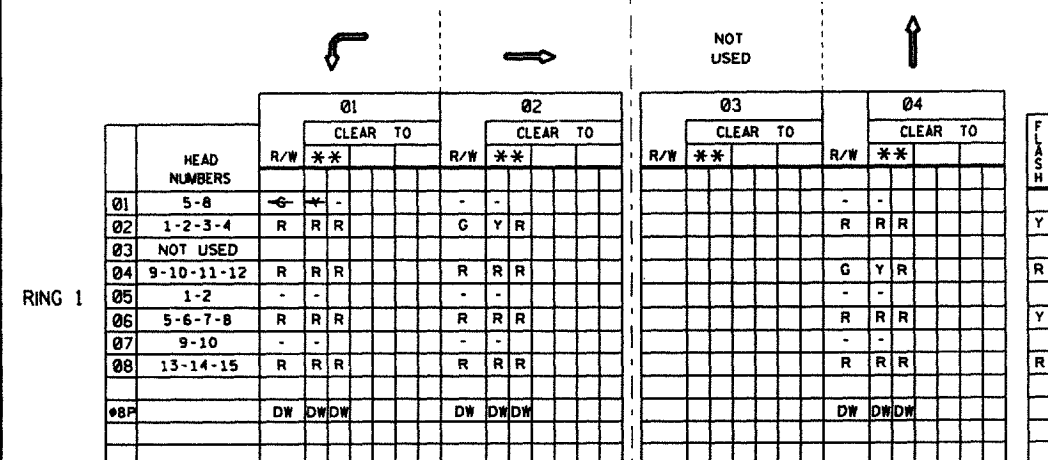
APPROVED DISTRICT TRAFFIC ENGINEER

Date 4/19/75 DATE BY VOLK

STATE TRAFFIC ENGINEER

I.D. NO.

SEQUENCE OF OPERATION



DETECTOR LOGIC

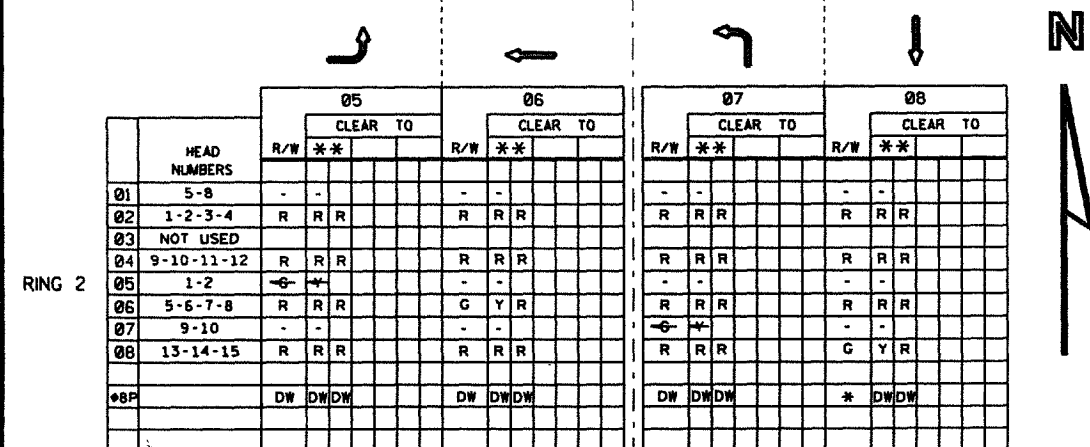
[illegible]

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL
1			
2			MIN.
3			
4		W / Ø8	
5			
6			MIN.
7		W / Ø4	
8		W / Ø4	

OVERLAPS

01. "A" =
01. "B" = NONE
01. "C" =
01. "D" =



BARRIER

**** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)**

* WHEN CALLED, TIMED STEADY WALK, THEN FLASHING DON'T WALK, THEN GOES TO STEADY DON'T WALK.

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01	5-6	2-4-7-8
02	5-6	1-4-7-8
03	NOT USED	-
04	7-8	1-2-5-6
05	1-2	4-6-7-8
06	1-2	4-5-7-8
07	4	1-2-5-6-8
08	4	1-2-5-6-7

BARRIER

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP	
HARDWIRE	
TONE (FREQ)	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	

TYPE OF LIGHTING	
NONE	
IN TRAFFIC CONTROL CABINET	
IN SEPARATE CONTROL CABINET	

GENERAL NOTES:

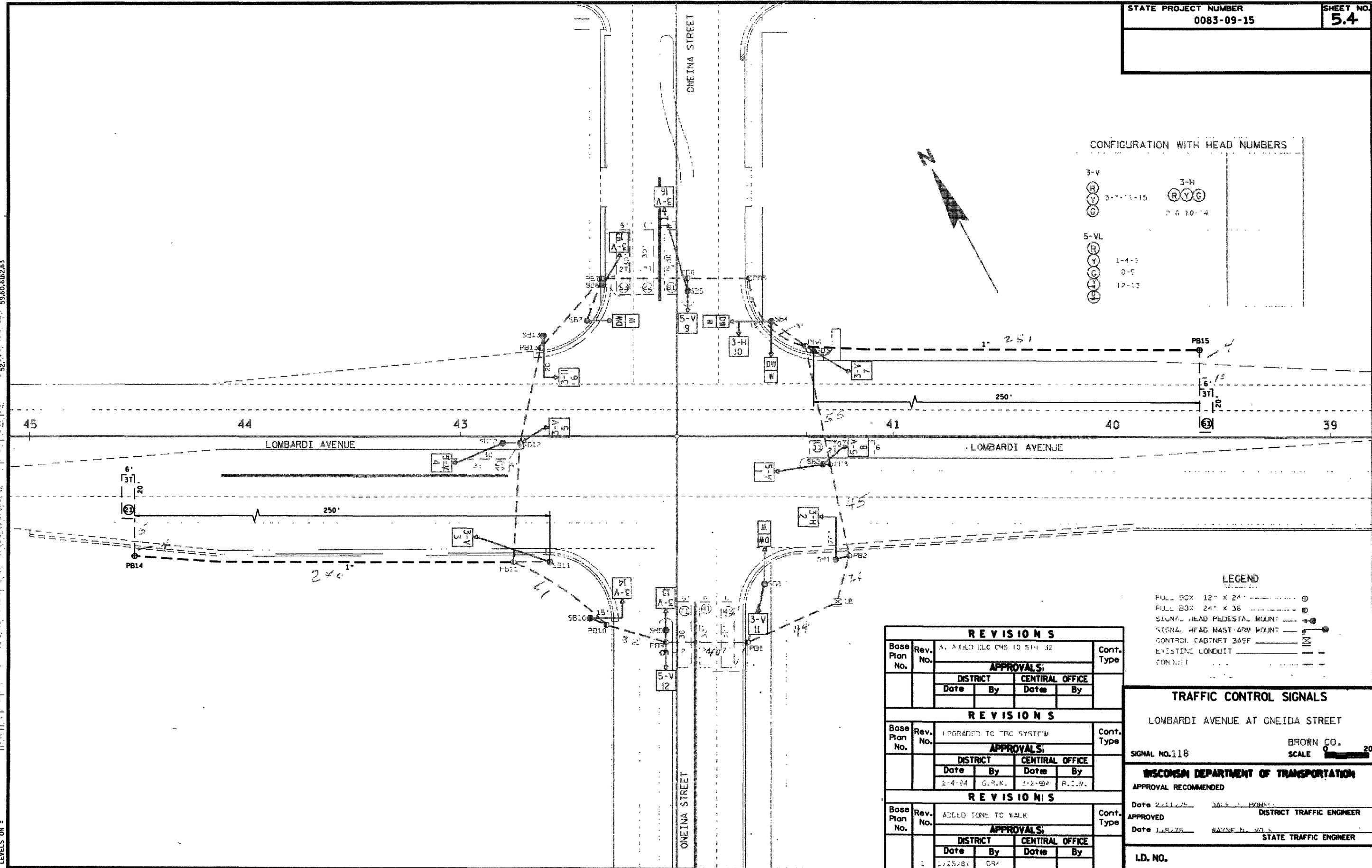
1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
(SEE CHART 1AT LEFT.)
3. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.

LOMBARDI AVE. AT RIDGE ROAD

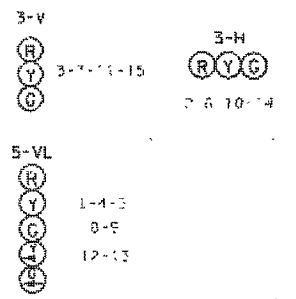
SIGNAL NO. 108

DATE _____

SHEET NO. OF



CONFIGURATION WITH HEAD NUMBERS

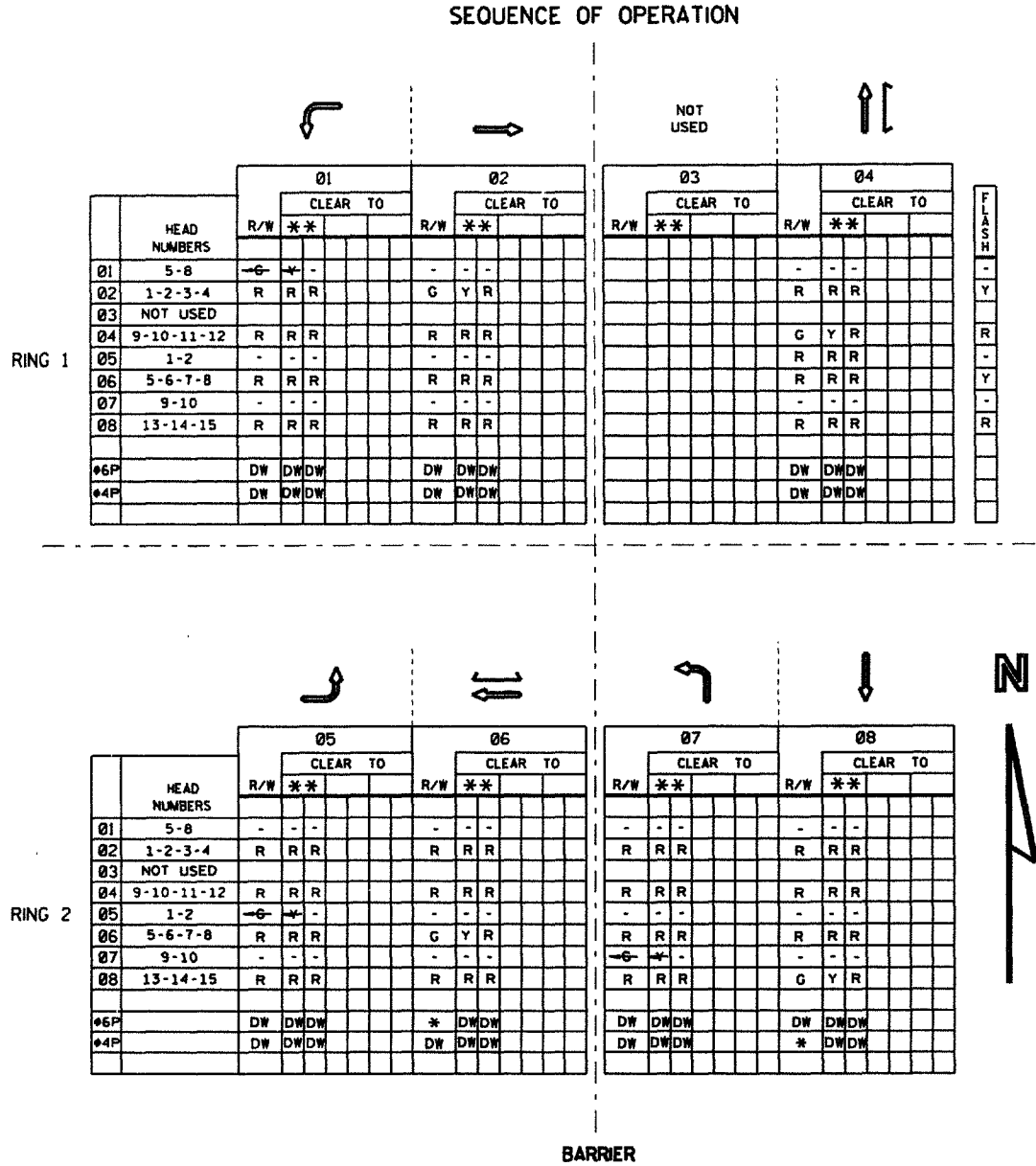


LEGEND

- FULL BOX 12" X 24"
- FULL BOX 24" X 36"
- SIGNAL HEAD PEDESTAL MOUNT
- SIGNAL HEAD MAST ARM MOUNT
- CONTROL CABINET BASE
- EXISTING CONDUIT
- CONDUIT

REVISIONS					
Base Plan No.	Rev. No.	A. AHEAD PLC CHS TO S111 J2			Cont. Type
APPROVALS:					
DISTRICT		CENTRAL OFFICE			
Date	By	Date	By		
REVISIONS					
Base Plan No.	Rev. No.	UPGRADED TO TRC SYSTEM			Cont. Type
APPROVALS:					
DISTRICT		CENTRAL OFFICE			
Date	By	Date	By		
REVISIONS					
Base Plan No.	Rev. No.	ADDED TONE TO WALK			Cont. Type
APPROVALS:					
DISTRICT		CENTRAL OFFICE			
Date	By	Date	By		

TRAFFIC CONTROL SIGNALS	
LOMBARDI AVENUE AT ONEIDA STREET	
SIGNAL NO. 118	BROWN CO. SCALE 0" = 20'
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
Date 2-11-75	DATE 3-1-75
APPROVED	DISTRICT TRAFFIC ENGINEER
Date 1-19-76	DATE 1-19-76
APPROVED	STATE TRAFFIC ENGINEER
I.D. NO.	



** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)

* WHEN CALLED, TIMED STEADY WALK, THEN FLASHING DON'T WALK, THEN GOES TO STEADY DON'T WALK.

CHART 1

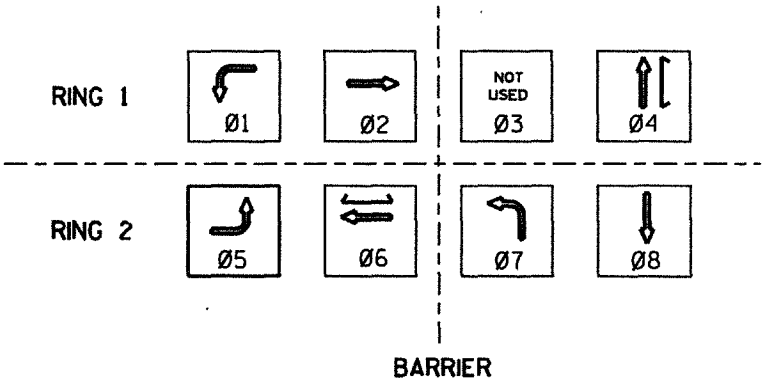
PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01	5-6	2-4-7-8
02	5-6	1-4-7-8
03	NOT USED	-
04	7-8	1-2-5-6
05	1-2	4-6-7-8
06	1-2	4-5-7-8
07	4	1-2-5-6-8
08	4	1-2-5-6-7

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY						
11	1	X			#1	#1				6x30
21	2	X			#2	#2				6x20
41	3	X			#4	#4				6x30
42	4	X			#4	#4		X		6x30
51	5	X			#5	#5				6x30
61	6	X			#6	#6				6x20
71	7	X			#7	#7				6x30
81	8	X			#8	#8				6x20
82	8	X			#8	#8				6x30
83	9	X			#8	#8		X		6x30

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL
1			
2			MIN.
3			
4		W / #8	
5			
6			MIN.
7		W / #4	
8		W / #4	



OVERLAPS

O.L. "A" =	
O.L. "B" =	
O.L. "C" =	NONE
O.L. "D" =	

TYPE OF INTERCONNECT

NONE	
TBC	X
CLOSED LOOP	
HARDWIRE	
TONE (FREQ)	

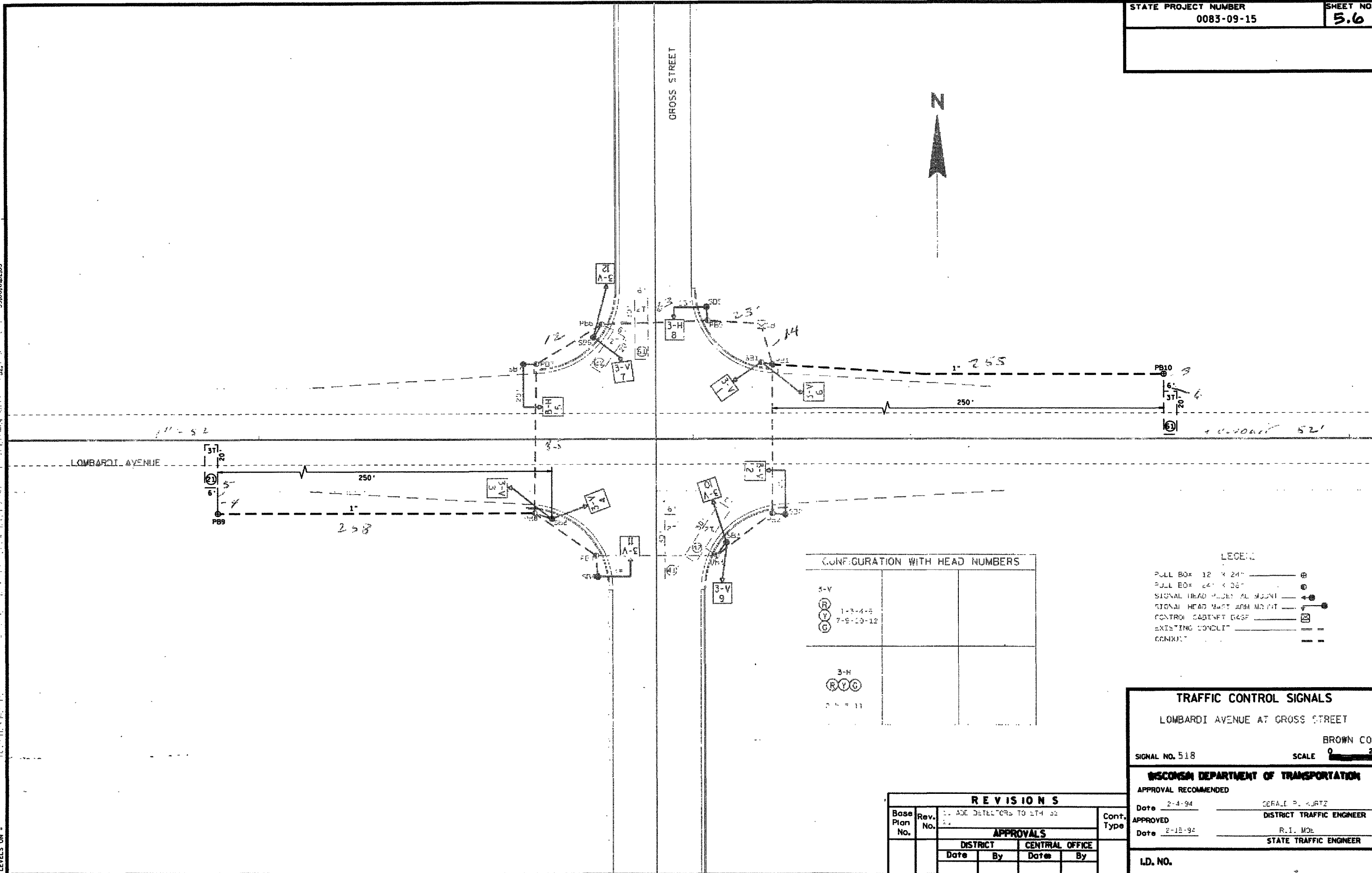
TYPE OF PRE-EMPT

NONE	X
RAILROAD	
EMERGENCY VEHICLE	

TYPE OF LIGHTING

NONE	X
IN TRAFFIC CONTROL CABINET	
IN SEPARATE CONTROL CABINET	

- GENERAL NOTES:
1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
 2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
 3. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.



CONFIGURATION WITH HEAD NUMBERS		
3-V		
(R)	1-3-4-5	
(Y)	7-8-10-12	
(G)		
3-H		
(R)		
(Y)		
(G)		
3-A-E		

- LEGEND
- PULL BOX 12" X 24"
 - PULL BOX 24" X 36"
 - SIGNAL HEAD PLACES AL MOUNT
 - SIGNAL HEAD MOUNT ARM MOUNT
 - CONTROL CABINET CASE
 - EXISTING CONDUIT
 - CONDUIT

TRAFFIC CONTROL SIGNALS

LOMBARDI AVENUE AT GROSS STREET

BROWN CO.

SIGNAL NO. 518

SCALE 0" = 20'

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date 2-4-94 CERALI P. KURTZ

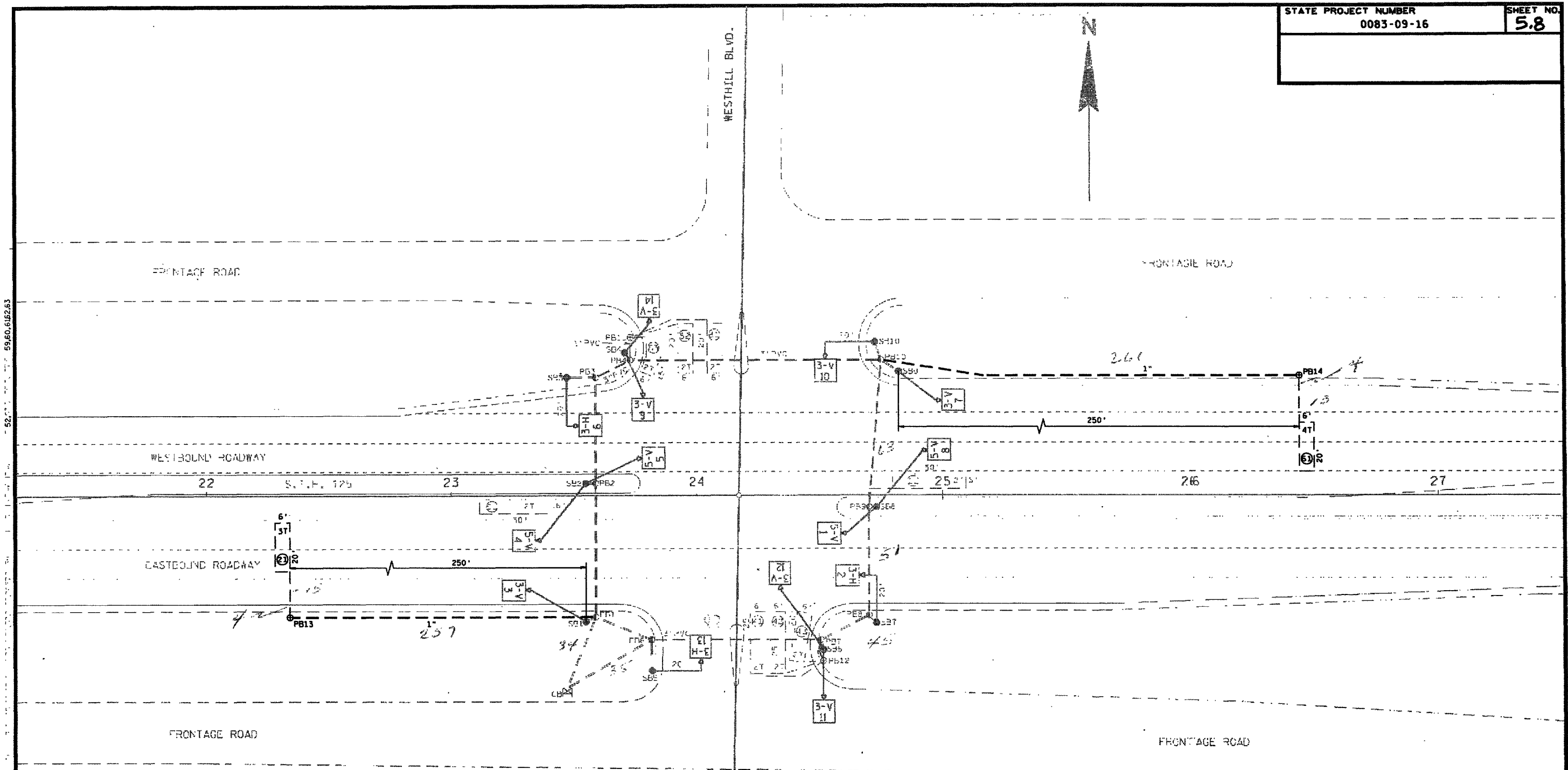
APPROVED DISTRICT TRAFFIC ENGINEER

Date 2-18-94 R.J. MOE

STATE TRAFFIC ENGINEER

I.D. NO.

REVISIONS					
Base Plan No.	Rev. No.	DESCRIPTION	APPROVALS		Cont. Type
			DISTRICT		
			Date	By	
			CENTRAL OFFICE		
			Date	By	



CONFIGURATION WITH HEAD NUMBERS		
3-V	5-VL	
(R) 3,7	(R) 1,4	
(Y) 5,7,17	(Y) 5,8	
(G) 14	(G) 13	
3-H		
(R) (Y) (G)		
2,6,10,13		

- LEGEND
- PULL BOX 12" x 24" (Symbol)
 - PULL BOX 18" x 24" (Symbol)
 - PULL BOX 24" x 24" (Symbol)
 - SIGNAL HEAD PROTEST POINT (Symbol)
 - SIGNAL HEAD WASH-ARM POINT (Symbol)
 - CONTROL CABINET BASE (Symbol)
 - EXISTING CONDUIT (Symbol)
 - CONDUIT (Symbol)

REVISIONS			
Base Plan No.	Rev. No.	Description	Cont. Type
	1	ADD DETECTORS TO STH 125	
APPROVALS			
DISTRICT		CENTRAL OFFICE	
Date	By	Date	By
REVISIONS			
Base Plan No.	Rev. No.	Description	Cont. Type
	1	ADJUST LEFT TURN ON S.T.H. 125	
	2	UPGRADE TO THE SYSTEM	
APPROVALS			
DISTRICT		CENTRAL OFFICE	
Date	By	Date	By
5-14-91	G.P.K.	3-26-91	H.O.P.
2-4-94	G.H.A.	2-15-94	H.L.M.

TRAFFIC CONTROL SIGNALS

S.T.H. 125 AT WESTHILL-KOOLS

OUTAGAMIE CO.

SIGNAL NO. 331

SCALE 0" = 20'

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

Date 5-8-85

GERALD R. KURTZ

DISTRICT TRAFFIC ENGINEER

APPROVED

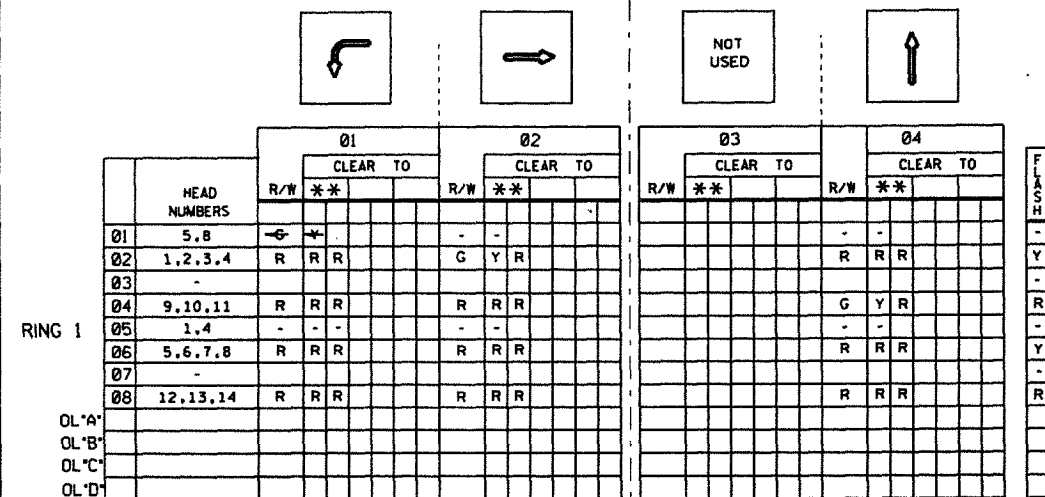
Date 7-5-85

HARRY O. PRICE

STATE TRAFFIC ENGINEER

I.D. NO.

SEQUENCE OF OPERATION



DETECTOR LOGIC

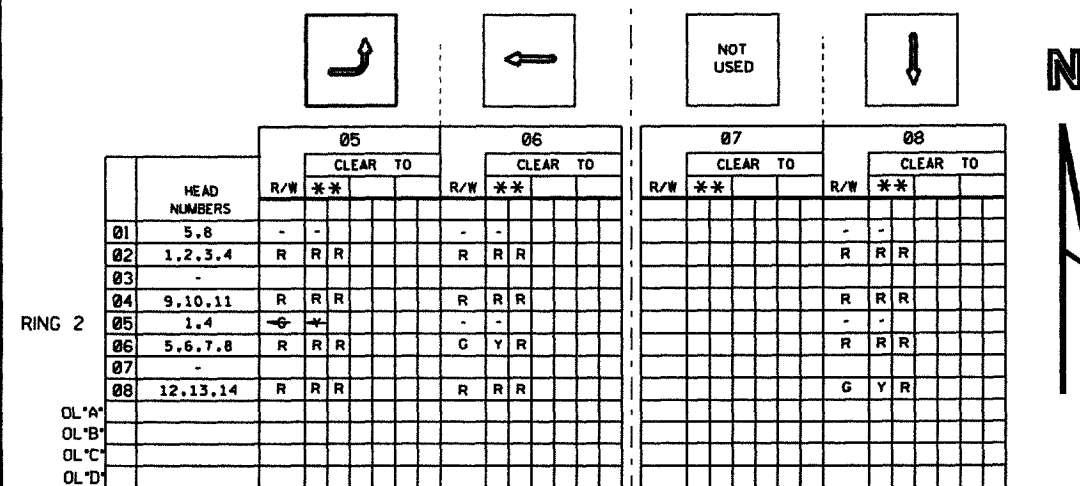
[illegible]

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL
1		W / Ø6	
2			
3			
4		W / Ø8	
5		W / Ø2	
6			
7			
8		W / Ø4	

OVERLAPS

O.L. "A" =
O.L. "B" =
O.L. "C" =
O.L. "D" =



BARRIER

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP	
HARDWIRE	
TONE (FREQ)	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	

TYPE OF LIGHTING	
NONE	
IN TRAFFIC CONTROL CABINET	
IN SEPARATE CONTROL CABINET	

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.

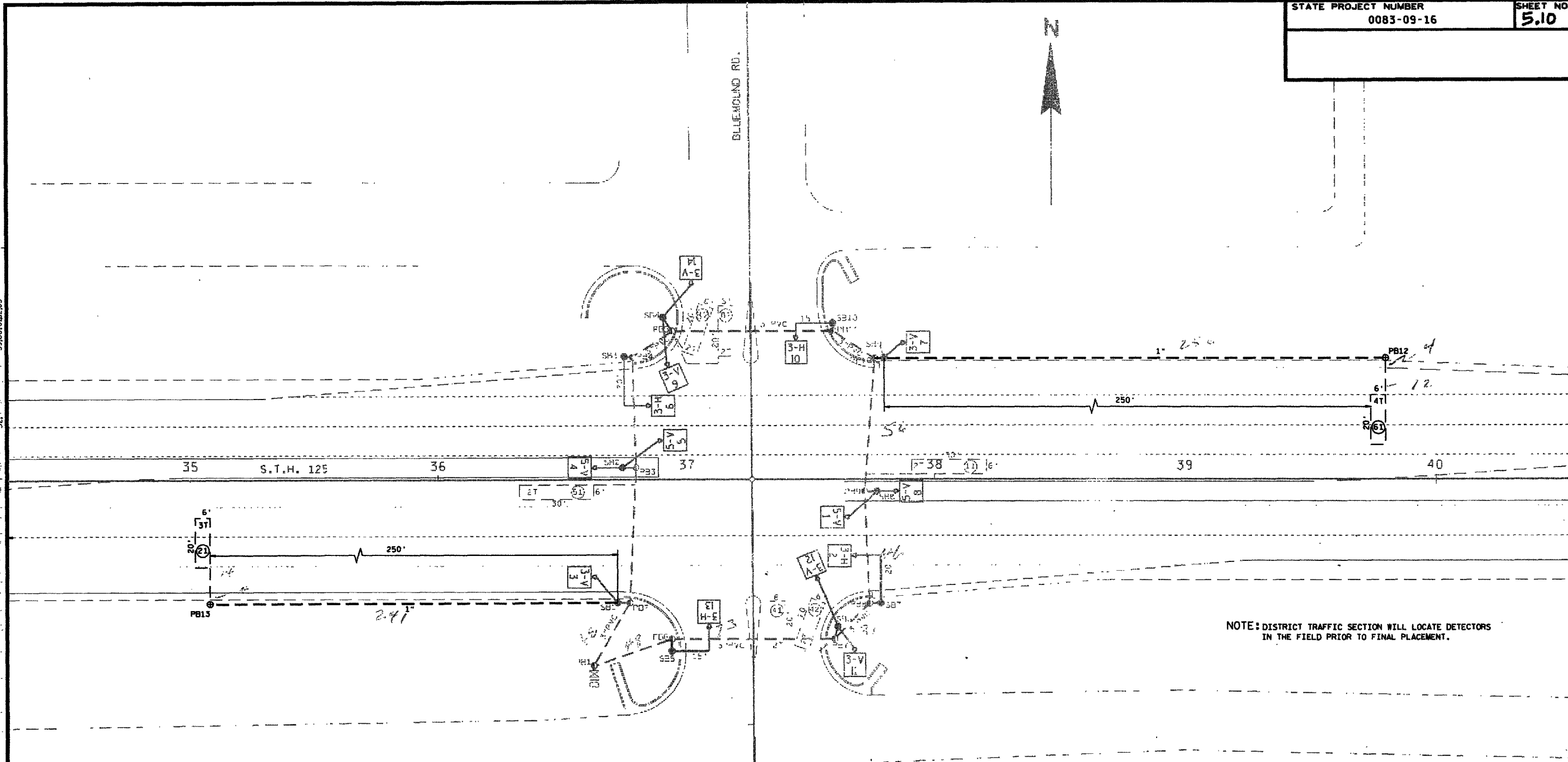
CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01	5,6	2,4,8
02	5,6	1,4,8
03	-	-
04	8	1,2,5,6
05	1,2	4,6,8
06	1,2	4,5,8
07	-	-
08	4	1,2,5,6

S.T.H. 125 AT WESTHILL-KOOLS

SIGNAL NO. 331

DATE	SHEET NO.	OF
------	-----------	----



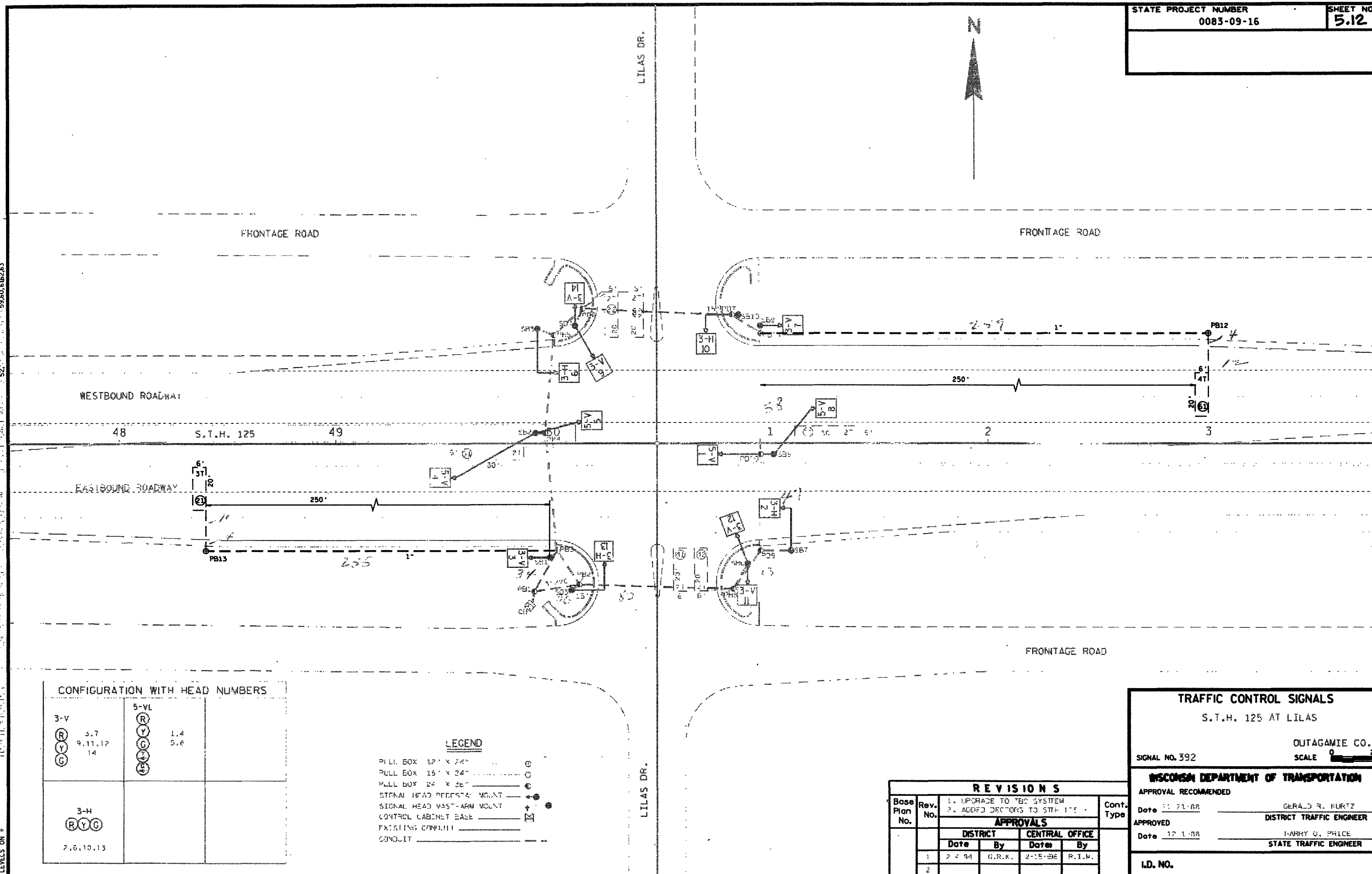
NOTE: DISTRICT TRAFFIC SECTION WILL LOCATE DETECTORS IN THE FIELD PRIOR TO FINAL PLACEMENT.

CONFIGURATION WITH HEAD NUMBERS

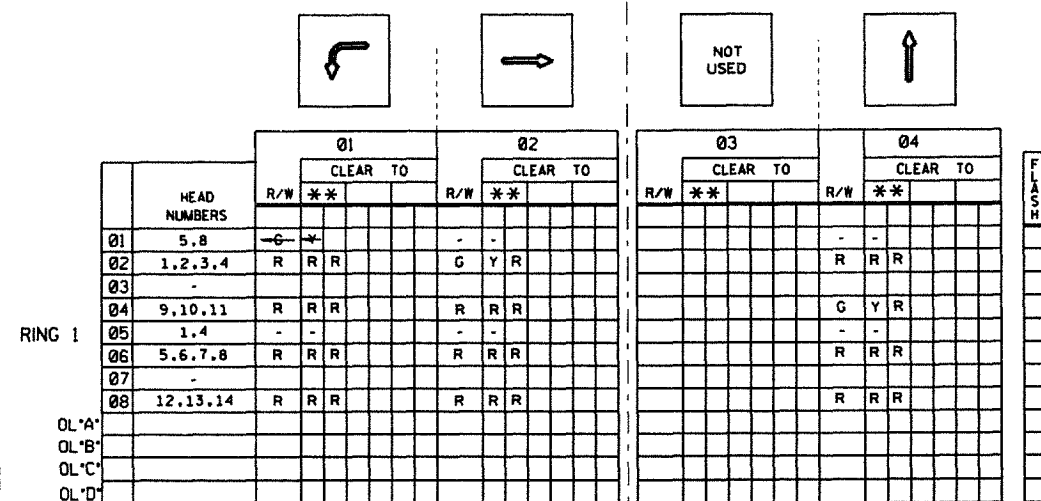
3-V	5-VL	
(R) 3.7	(R) 1.4	
(Y) 9.13.14	(Y) 3.8	
(G) 14	(G) 4	
3-H		
(R) (Y) (G)		
2.5, 10, 14		

- LEGEND
- PULL BOX 12" X 24"
 - PULL BOX 18" X 24"
 - PULL BOX 24" X 30"
 - SIGNAL HEAD PEDESTAL MOUNT
 - SIGNAL HEAD MAST ARM MOUNT
 - CONTROL CABINET BASE
 - EXISTING CONDUIT
 - CONDUIT

REVISIONS				TRAFFIC CONTROL SIGNALS	
Base Plan No.	Rev. No.	Description	Cont. Type	S.T.H. 125 AT BLUEMOUND RD.	
				OUTAGAMIE CO.	
				SCALE 0 20	
				SIGNAL NO. 104	
				WISCONSIN DEPARTMENT OF TRANSPORTATION	
				APPROVAL RECOMMENDED	
				DATE 5-14-74 DALE BORRELL	
				APPROVED DISTRICT TRAFFIC ENGINEER	
				DATE 7-1-74 RAYMOND VOLK	
				STATE TRAFFIC ENGINEER	
				I.D. NO.	



SEQUENCE OF OPERATION



DETECTOR LOGIC

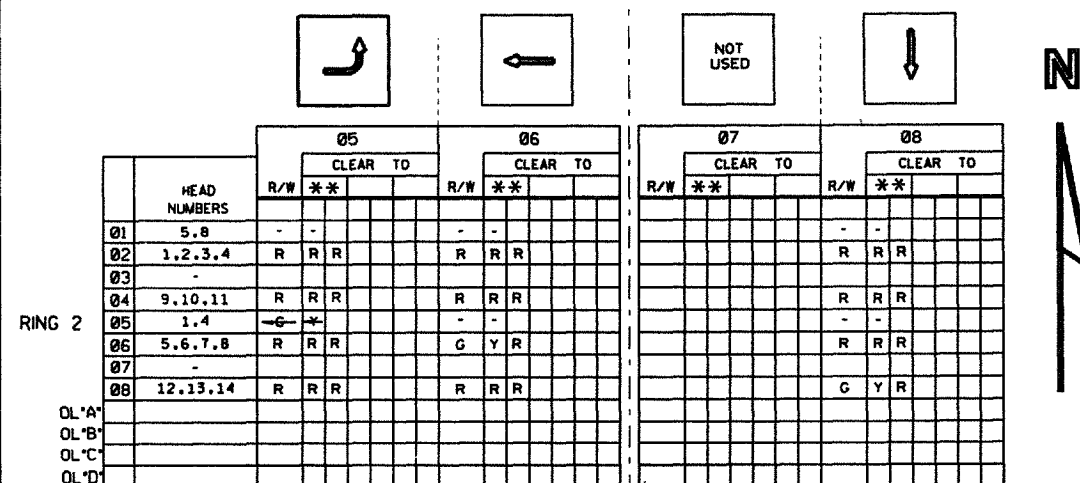
[illegible]

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL
1		W / Ø6	
2			MIN.
3			
4		W / Ø8	
5		W / Ø2	
6			MIN.
7			
8		W / Ø4	

OVERLAPS

01. "A" =	
01. "B" =	
01. "C" =	NONE
01. "D" =	



BARRIER

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP	
HARDWIRE	
TONE (FREQ)	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	

TYPE OF LIGHTING	
NONE	☒
IN TRAFFIC CONTROL CABINET	☐
IN SEPARATE CONTROL CABINET	☐
	☐
	☐
	☐
	☐

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01	5,6	2,4,8
02	5,6	1,4,8
03	-	-
04	8	1,2,5,6
05	1,2	4,6,8
06	1,2	4,5,8
07	-	-
08	4	1,2,5,6

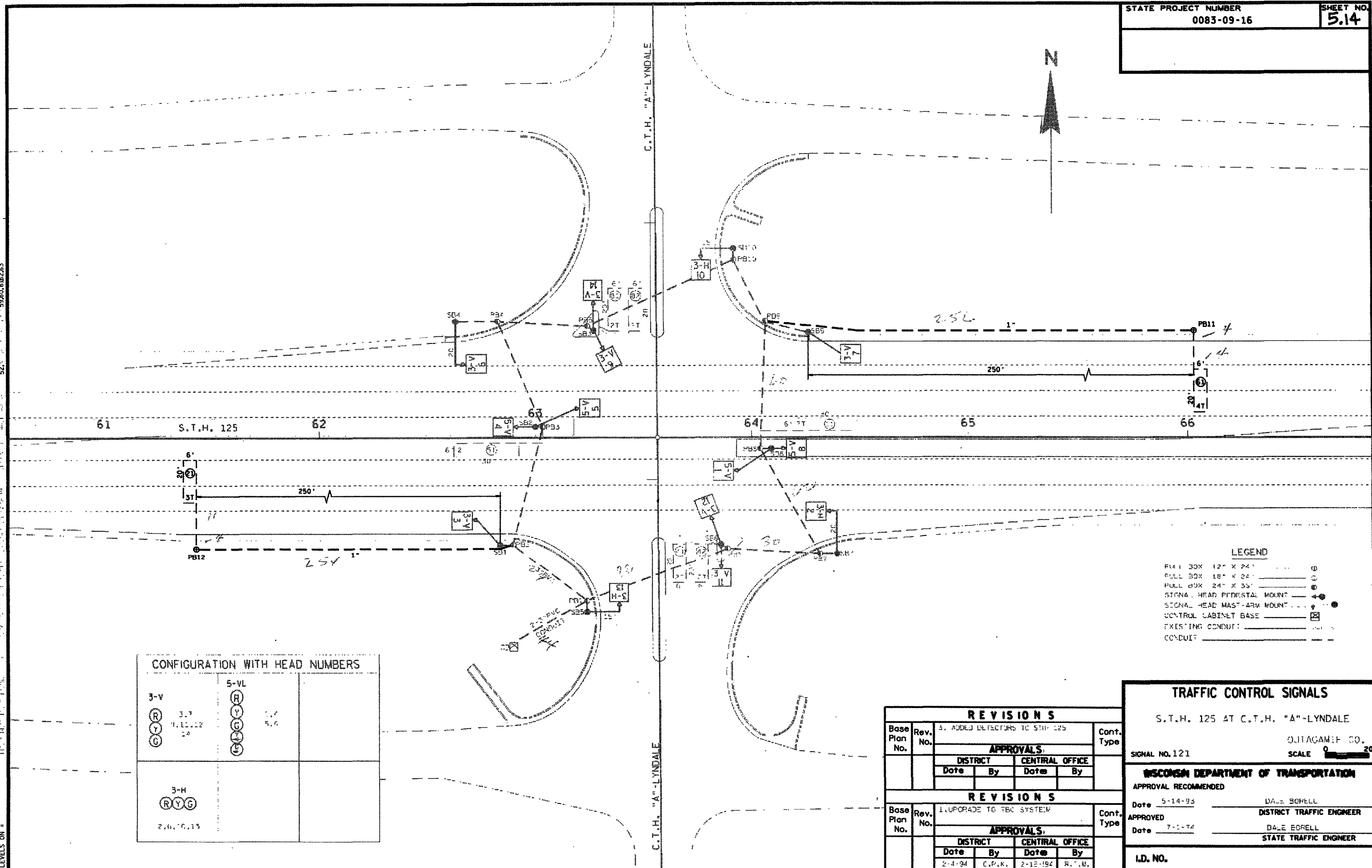
S.T.H. 125 AT LILAS

SIGNAL NO. 392

DATE	SHEET NO.	OF
------	-----------	----

STATE PROJECT NUMBER
0083-09-16

SHEET NO.
5.14



CONFIGURATION WITH HEAD NUMBERS

3-V R Y G 1.1 1.12 1.2	5-VL R Y G 1.1 1.12 1.2	
3-H R Y G 2.0 1.0 1.3		

LEGEND

- FULL BOX 12" X 24" (D)
- FULL BOX 18" X 24" (C)
- FULL BOX 24" X 35" (E)
- SIGNAL HEAD PIEDestal MOUNT (H)
- SIGNAL HEAD MAST-ARM MOUNT (M)
- CONTROL CABINET BASE (B)
- EXISTING CONDUIT (X)
- CONDUIT (C)

REVISIONS

Base Plan No.	Rev. No.	Description	Cont. Type
	3.	ADDED DETECTORS TO STH 125	
APPROVALS			
DISTRICT		CENTRAL OFFICE	
Date	By	Date	By
2-4-94	C.P.K.	2-18-194	R.T.M.
REVISIONS			
	1.	UPGRADE TO TBC SYSTEM	
APPROVALS			
DISTRICT		CENTRAL OFFICE	
Date	By	Date	By

TRAFFIC CONTROL SIGNALS

S.T.H. 125 AT C.T.H. "A"-LYNDALE

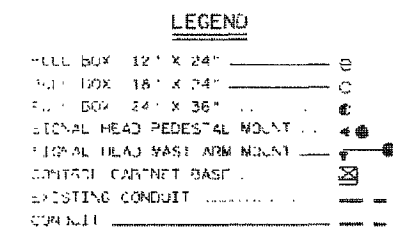
SIGNAL NO. 121

SCALE 0 20

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 5-14-94 DALE EORELL
APPROVED DISTRICT TRAFFIC ENGINEER
Date 7-1-74 DALE EORELL
STATE TRAFFIC ENGINEER

I.D. NO.



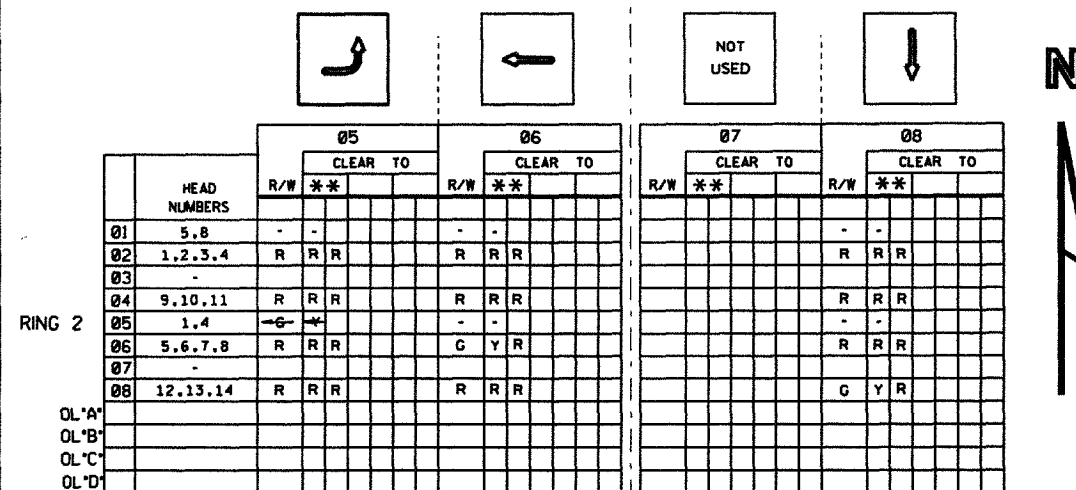
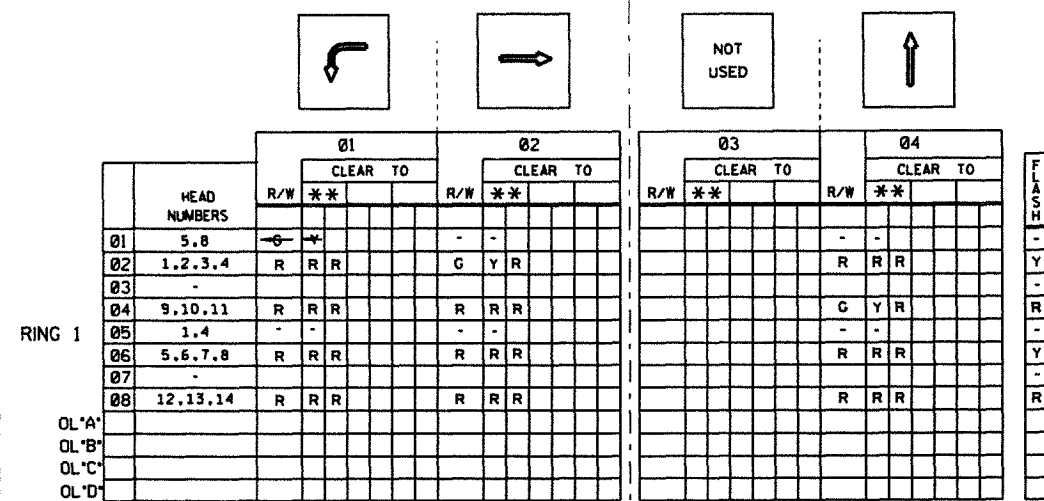
CONFIGURATION WITH HEAD NUMBERS		
3-V (R) 3,7 (Y) 9,11,12 (G) 14 3-H (R)(Y)(G) 2,6,10,13	5-VL (R) (Y) 1,4 (G) 5,8 (I) (C)	

R E V I S I O N S						
Base Plan No.	Rev. No.	1. ADDITIONAL COMMENTS TO SHEET				Cont. Type
		APPROVALS				
		DISTRICT		CENTRAL OFFICE		
		Date	By	Date	By	

R E V I S I O N S						
Base Plan No.	Rev. No.	1. ADD LEFT TURN INDICATIONS 2. UPGRADE TO "B" SYSTEM				Cont. Type
		APPROVALS				
		DISTRICT		CENTRAL OFFICE		
		Date	By	Date	By	
	1	9-28-88	C.F.P.	10-3-88	P.O.P.	
	2	11-4-90	C.F.P.	2-18-94	P.I.M.	

TRAFFIC CONTROL SIGNALS	
S.T.H. 125 AT PERKINS	
SIGNAL NO. 220	OUTAGAMIE CO. SCALE 0 20
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
Date 4-5-77	SALE BORD: I
APPROVED	DISTRICT TRAFFIC ENGINEER
Date 4-19-77	RAYNE R. VOLK
	STATE TRAFFIC ENGINEER
I.D. NO.	

SEQUENCE OF OPERATION



BARRIER

**** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)**

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01	5,6	2,4,8
02	5,6	1,4,8
03	-	-
04	8	1,2,5,6
05	1,2	4,6,8
06	1,2	4,5,8
07	-	
08	4	1,2,5,6

DETECTOR LOGIC

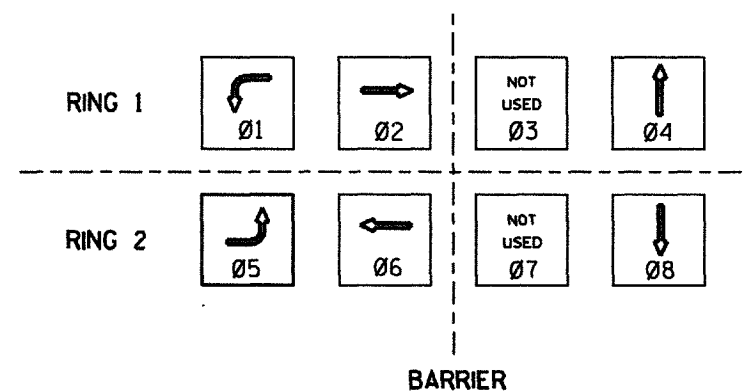
[illegible]

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL
1		W / Ø6	
2			MIN.
3			
4		W / Ø8	
5		W / Ø2	
6			MIN.
7			
8		W / Ø4	

OVERLAPS

Q1. "A" =	
Q1. "B" =	NONE
Q1. "C" =	
Q1. "D" =	



TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP	
HARDWIRE	
tone (FREQ)	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	

TYPE OF LIGHTING	
NONE	
IN TRAFFIC CONTROL CABINET	
IN SEPARATE CONTROL CABINET	

GENERAL NOTES:

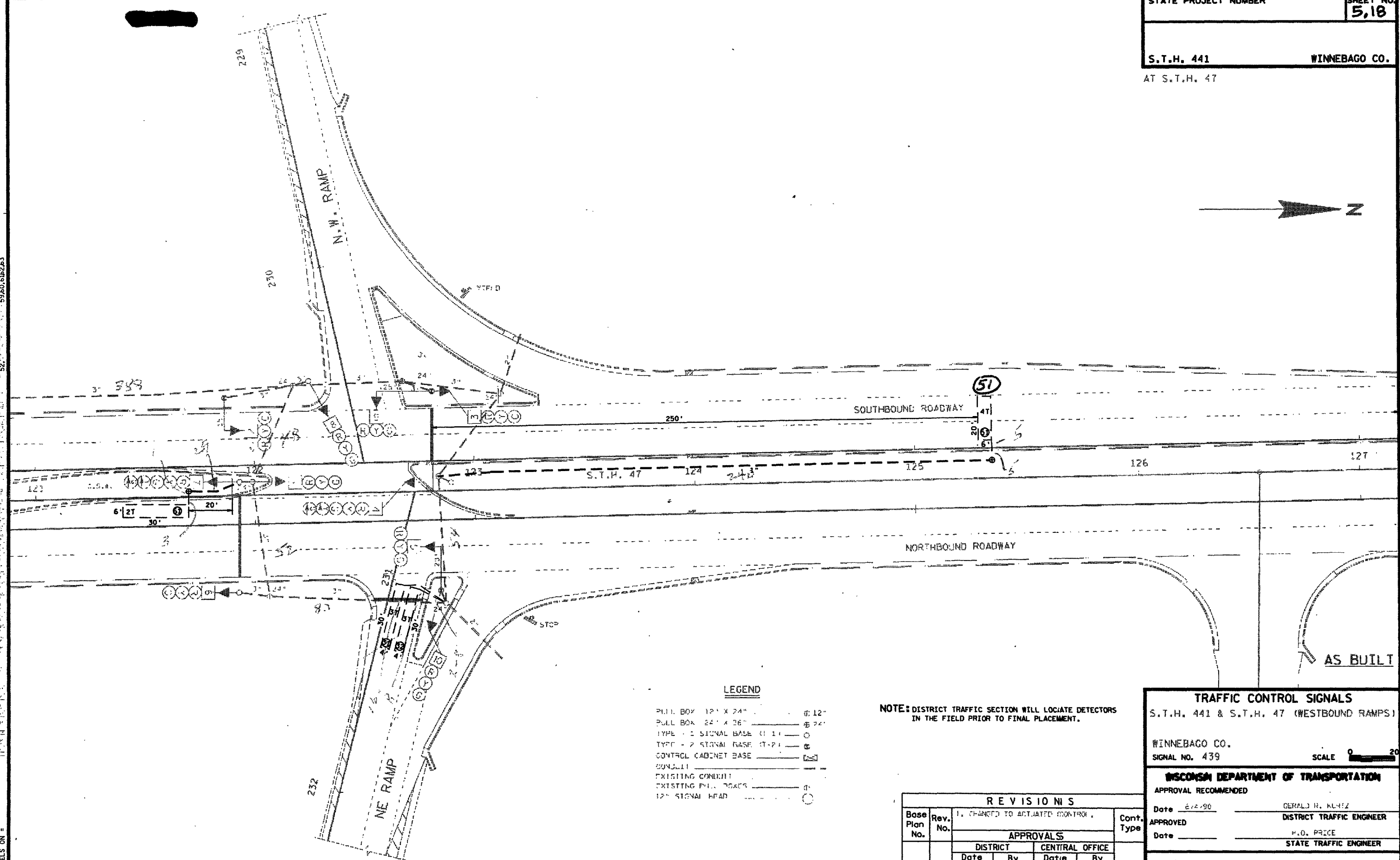
1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
(SEE CHART 1AT LEFT.)
3. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.

S.T.H. 125 AT PERKINS

SIGNAL NO. 220

DATE SHEET NO. OF

STATE PROJECT NUMBER	SHEET NO. 5,18
S.T.H. 441	WINNEBAGO CO.
AT S.T.H. 47	



LEGEND

- PULL BOX 12" X 24" ———— (12")
- PULL BOX 24" X 26" ———— (24")
- TYPE - 1 SIGNAL BASE (11") ———— (11")
- TYPE - 2 SIGNAL BASE (17") ———— (17")
- CONTROL CABINET BASE ———— (17")
- CONDUIT ———— (12")
- EXISTING CONDUIT ———— (12")
- EXISTING PULL BOXES ———— (12")
- 12" SIGNAL HEAD ———— (12")

NOTE: DISTRICT TRAFFIC SECTION WILL LOCATE DETECTORS IN THE FIELD PRIOR TO FINAL PLACEMENT.

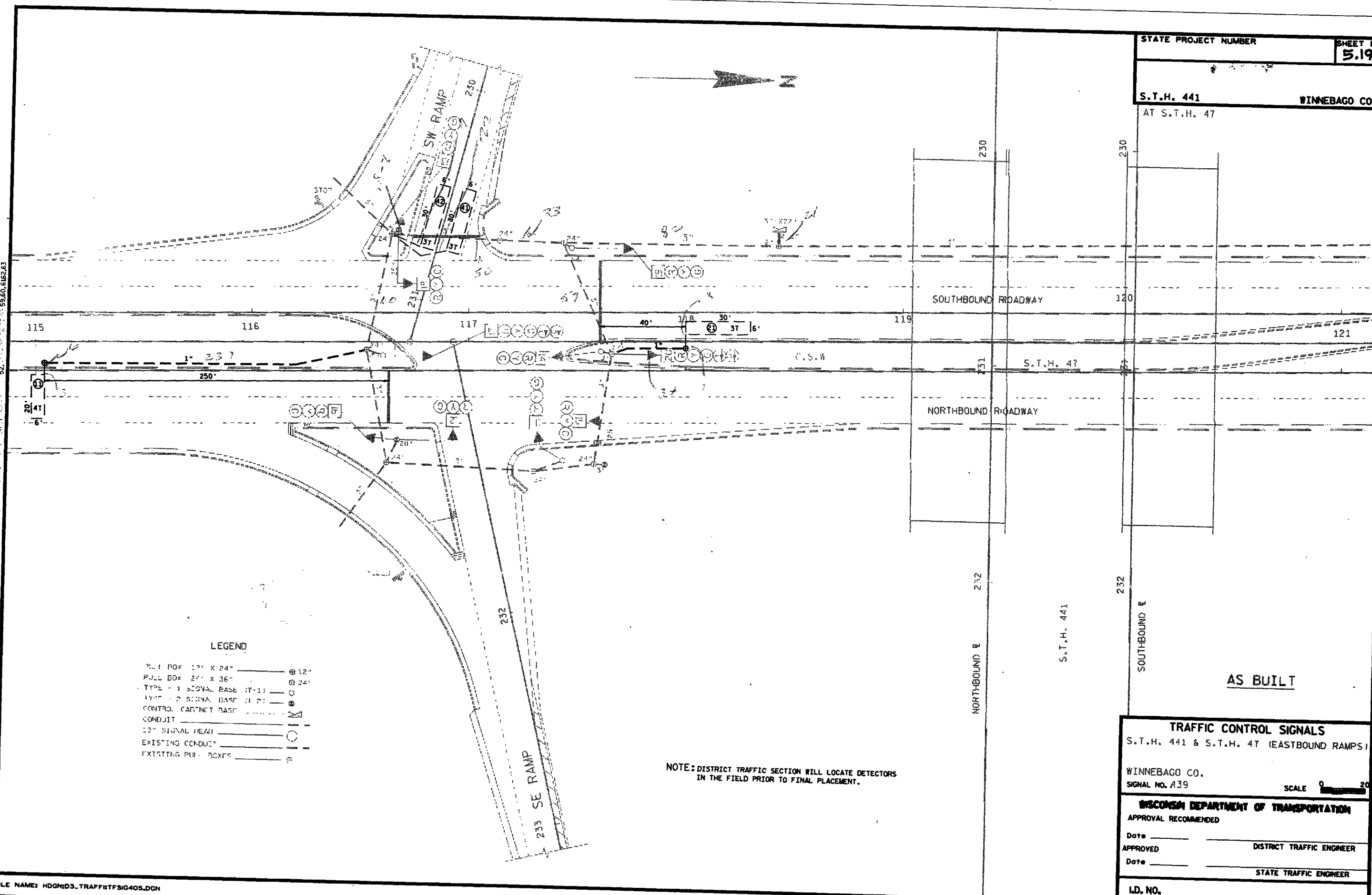
TRAFFIC CONTROL SIGNALS	
S.T.H. 441 & S.T.H. 47 (WESTBOUND RAMP)	
WINNEBAGO CO.	
SIGNAL NO. 439	SCALE 0 = 20'
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
Date 6-22-90	GERALD R. KLEIZ
APPROVED	DISTRICT TRAFFIC ENGINEER
Date	P.O. PRICE
	STATE TRAFFIC ENGINEER
I.D. NO.	

REVISIONS						
Base Plan No.	Rev. No.	1. CHANGED TO ACTUATED CONTROL.				Cont Type
		APPROVALS				
		DISTRICT		CENTRAL OFFICE		
		Date	By	Date	By	

1-5-95
LEVELS ON =
FILE NAME: HDGND3.TRAFFITPSIG395.DGN

STATE PROJECT NUMBER
SHEET NO. 5.19

S.T.H. 441
AT S.T.H. 47
WINNEBAGO CO.



- LEGEND
- PULL BOX 12" X 24" ————
 - PULL BOX 24" X 36" ————
 - TYPE 1 SIGNAL BASE (T-1) ————
 - TYPE 2 SIGNAL BASE (T-2) ————
 - CONTROL CABINET BASE ————
 - CONDUIT ————
 - 12" SIGNAL HEAD ————
 - EXISTING CONDUIT ————
 - EXISTING PULL BOXES ————

NOTE: DISTRICT TRAFFIC SECTION WILL LOCATE DETECTORS
IN THE FIELD PRIOR TO FINAL PLACEMENT.

TRAFFIC CONTROL SIGNALS
S.T.H. 441 & S.T.H. 47 (EASTBOUND RAMP)

WINNEBAGO CO.
SIGNAL NO. 439

SCALE 0 20

WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED

Date _____
APPROVED _____ DISTRICT TRAFFIC ENGINEER

Date _____
STATE TRAFFIC ENGINEER

I.D. NO. _____

