

PEEK TRAFFIC 3000 SERIES CONTROLLER EMERGENCY VEHICLE  
PREEMPTION PROGRAMMING DETAIL (EVP 2 - RUN 4)

(PROGRAM CONTROLLER AS SHOWN BELOW)

STEP 1

NOTE: COMPLETE THE PREEMPT 1 PROGRAMMING ON PAGE 2 BEFORE PROCEEDING WITH THE PROGRAMMING FOR PREEMPT 2.

ENTRY

1. CONTROLLER	4. PREEMPTION
2. COORDINATION	5. SPECIAL
3. TIME OF DAY	6. UTILITIES

TO VIEW OR ENTER PREEMPTION RUN  
ENTER 1-6: 4

TO ERASE ONE PREEMPTION RUN  
ENTER 1-6: .

TO ERASE ALL PREEMPTION RUNS  
ENTER 99: ..

PREEMPTION RUN 4 MENU

- PER RUN DATA
- INTERVAL DATA
- FLASH PLAN FOR RUN 4

WHEN CHANGING RUN DATA, DISABLE RUN UNDER PER RUN DATA

PER RUN 4 MENU

- RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY
- MIN ENTRY TIMES, INH DOUBLE CLR O/L
- VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
- EXIT CONTROLS

RUN 4 ENABLE,RR,LOCK,PRIORITY VALUE(YES/NO)

RUN ENABLE: Y ⊕      OVERRIDE UCF: N  
RAILROAD: N      GO TO HIGHER PE: N  
PE INPUT LOCK: Y      NEMA PRIORITY: Y

MAX INTERVALS: 4      USER PRIORITY: 1  
VALUE(0-32)      VALUE(1-6)

⊕ DENOTES RUN ENABLE MUST BE SET TO "N" BEFORE PREEMPT DATA CAN BE ENTERED.

STEP 2

PER RUN 4 MENU

- RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY
- MIN ENTRY TIMES, INH DOUBLE CLR O/L
- VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
- EXIT CONTROLS

RUN 4 DURATION, RESERVICE, PE DELAY

DURATION	PREEMPT DELAY	RESERVICE
0	0	0
(0-255 SECS)	(0-255 SECS)	(0-255 SECS)

DURATION TIMER USED AS GAP TIMER: N

STEP 3

PER RUN 4 MENU

- RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY
- MIN ENTRY TIMES, INH DOUBLE CLR O/L
- VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
- EXIT CONTROLS

RUN 4 MINIMUM ENTRY TIMES INHIBIT DOUBLE CLR O/L ENTERING PE: N

GREEN	YELLOW	RED	PE CLER	O/L YEL
0.0	0.0	0.0	0	0
(0-----25.5 SECS)	(0-255 SECS)	(0-255 SECS)	(0-255 SECS)	(0-255 SECS)

\*\*

STEP 4

PER RUN 4 MENU

- RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY
- MIN ENTRY TIMES, INH DOUBLE CLR O/L
- VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
- EXIT CONTROLS

RUN 4 PER INTERVAL DATA VALUE(YES/NO)

PGDN FOR MORE	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/INTV	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
VALID	X	X	X	X												
DWELL	X															
FIXED	X	X	X	X												
TENTH	X	X	X	X												

SHIFT - RT->TO SEE-ENTER INTERVALS 17-32

RUN 4 PER INTERVAL DATA VALUE(YES/NO)

PGDN FOR MORE	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
FUN/INTV	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
EXIT	X	X	X	X												
PC->YEL																

SHIFT - RT->TO SEE-ENTER INTERVALS 17-32

PER RUN 4 MENU

- RUN ENABLE,RR, MAX INTVS,LOCK, PRIORITY
- MIN ENTRY TIMES, INH DOUBLE CLR O/L
- VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
- EXIT CONTROLS

RUN 4 EXIT CONTROLS

EXIT MODE: 0    0 = GO TO EXIT PHASES  
1    1 = GO TO NEXT DEMAND  
2    2 = RESUME INTERRUPTED SEQ.

VALUE(YES/NO)

1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
PHASES			X													
CALLS																

STEP 6  
INTERVAL 1

PREEMPTION RUN 4 MENU

- PER RUN DATA
- INTERVAL DATA
- FLASH PLAN FOR RUN 4

WHEN CHANGING RUN DATA, DISABLE RUN UNDER PER RUN DATA

RUN 4 INTERVAL 1 VALID: X DWELL: X

TENTHS: X PC->YEL: . EXIT: X FIXED: X

TIME: 5.0 PH FLASH: 0 PED FLASH: 0

VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COLOR																
PED COL																

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

PROGRAMMING CONTINUED AT TOP RIGHT

\*\* NOTE: PROGRAM THE MIN. GREEN AND CLEARANCE INTERVALS TO BE ZERO SECONDS; THIS WILL FORCE THE CONTROLLER TO SATISFY MIN GREEN AND CLEARANCE INTERVAL TIMINGS OF THE ACTIVE PHASE.

STEP 7  
INTERVAL 2

RUN 4 INTERVAL 2 VALID: X DWELL: X

TENTHS: X PC->YEL: . EXIT: X FIXED: X

TIME: 5.0 PH FLASH: 0 PED FLASH: 0

VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COLOR	G															
PED COL																

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

STEP 8  
INTERVAL 3

RUN 4 INTERVAL 3 VALID: X DWELL: X

TENTHS: X PC->YEL: . EXIT: X FIXED: X

TIME: 4.7 PH FLASH: 0 PED FLASH: 0

VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COLOR	Y															
PED COL																

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

STEP 9  
INTERVAL 4

RUN 4 INTERVAL 4 VALID: X DWELL: X

TENTHS: X PC->YEL: . EXIT: X FIXED: X

TIME: 2.5 PH FLASH: 0 PED FLASH: 0

VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	
FUN/PH	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
COLOR	R															
PED COL																

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

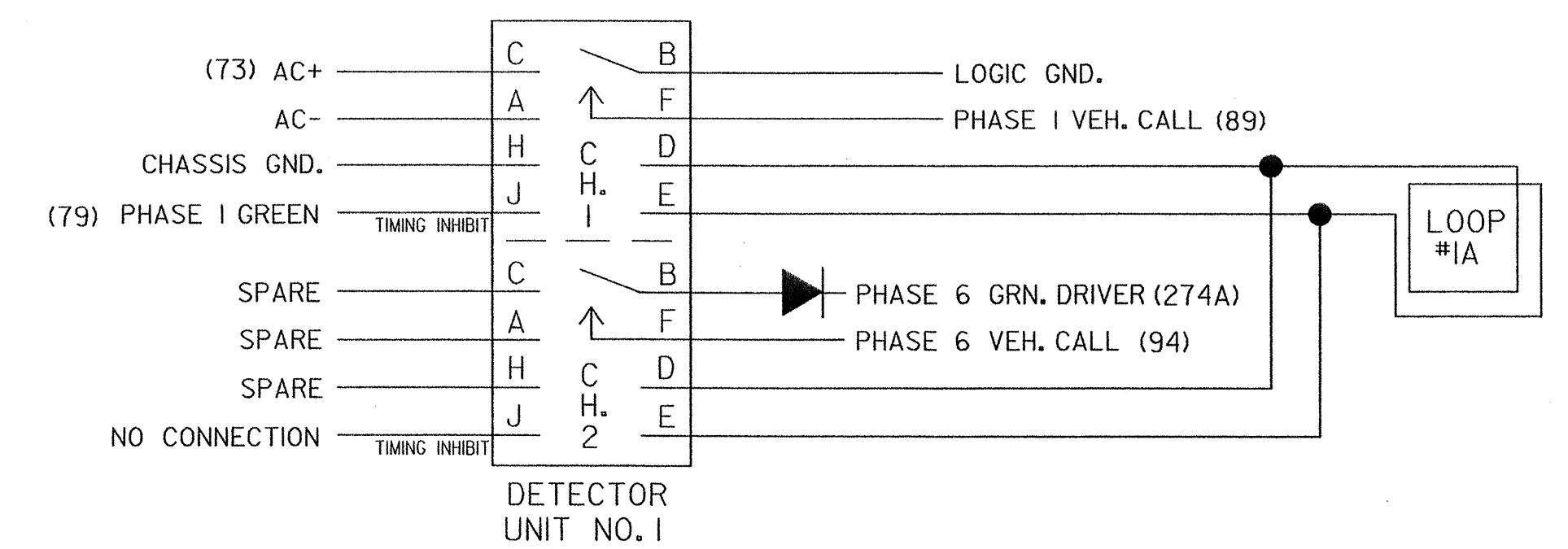
PGDN FOR NEXT INTERVAL

NOTE :

THERE IS NO PROGRAMMING REQUIRED FOR OVERLAPS OR 'PE OUTS' FOR ANY INTERVAL

END OF PROGRAMMING

SPECIAL DETECTOR WIRING DETAIL  
(WIRE AS SHOWN)



NOTES:  
1. TERMINAL DESIGNATIONS SHOWN ARE LOCATED ON THE LOOP PANEL ASSEMBLY EXCEPT FOR PHASE 6 GREEN DRIVER WHICH IS LOCATED ON THE BACK PANEL.  
2. DIODE IS VALUED AT 600V PIV, 1 AMP MINIMUM. (RECOMMENDED PART NO. IN4005)

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0685  
DESIGNED: AUGUST 2004  
SEALED: AUG 16, 2004  
REVISED: TBD

SIGNAL UPGRADE - FINAL DESIGN

**SEPI ENGINEERING GROUP**

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ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
Signal Management Section

**US 64 BUS (RALEIGH ST.) AT SR 1232 (MEADOWBROOK RD.)**

DIVISION 04    EDGECOMBE COUNTY    ROCKY MOUNT

PLAN DATE: AUGUST 2004    REVIEWED BY: J O DEATON

PREPARED BY: M W YALCH    REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 07438  
JAMES O. DEATON

SIGNATURE: *James O. Deaton* DATE: \_\_\_\_\_

SIG. INVENTORY NO. 04-0685