

**PEEK TRAFFIC 3000 SERIES CONTROLLER EMERGENCY VEHICLE  
PREEMPTION PROGRAMMING DETAIL (EVP 1 - RUN 3)**

(PROGRAM CONTROLLER AS SHOWN BELOW)

**STEP 1**

ENTRY

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

TO VIEW OR ENTER PREEMPTION RUN  
ENTER 1-6: 3

TO ERASE ONE PREEMPTION RUN  
ENTER 1-6: .

TO ERASE ALL PREEMPTION RUNS  
ENTER 99: ..

PREEMPTION RUN 3 MENU

- PER RUN DATA
- INTERVAL DATA
- FLASH PLAN FOR RUN 3

WHEN CHANGING RUN DATA, DISABLE RUN UNDER PER RUN DATA

PER RUN 3 MENU

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

RUN 3 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 3 MENU

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

RUN 3 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 3 MENU

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

RUN 3 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	15	0
(0-----25.5 SECS)	(0-255 SECS)	(0-255 SECS)		

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**STEP 4**

PER RUN 3 MENU

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

RUN 3 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	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VALID	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DWELL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FIXED	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TENTH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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

RUN 3 PER INTERVAL DATA VALUE(YES/NO)

EXIT	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
EXIT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PC->YEL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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

**STEP 5**

PER RUN 3 MENU

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

RUN 3 EXIT CONTROLS

EXIT MODE: 0 0 = GO TO EXIT PHASES  
1 = GO TO NEXT DEMAND  
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	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PHASES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CALLS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

**STEP 6  
INTERVAL 1**

PREEMPTION RUN 3 MENU

- PER RUN DATA
- INTERVAL DATA
- FLASH PLAN FOR RUN 3

WHEN CHANGING RUN DATA, DISABLE RUN UNDER PER RUN DATA

RUN 3 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)

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

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

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 3 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)

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

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

**STEP 8  
INTERVAL 3**

RUN 3 INTERVAL 3 VALID: X DWELL: X

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

TIME: 4.0 PH FLASH: 0 PED FLASH: 0

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

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

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

**STEP 9  
INTERVAL 4**

RUN 3 INTERVAL 4 VALID: X DWELL: X

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

TIME: 1.0 PH FLASH: 0 PED FLASH: 0

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

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

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

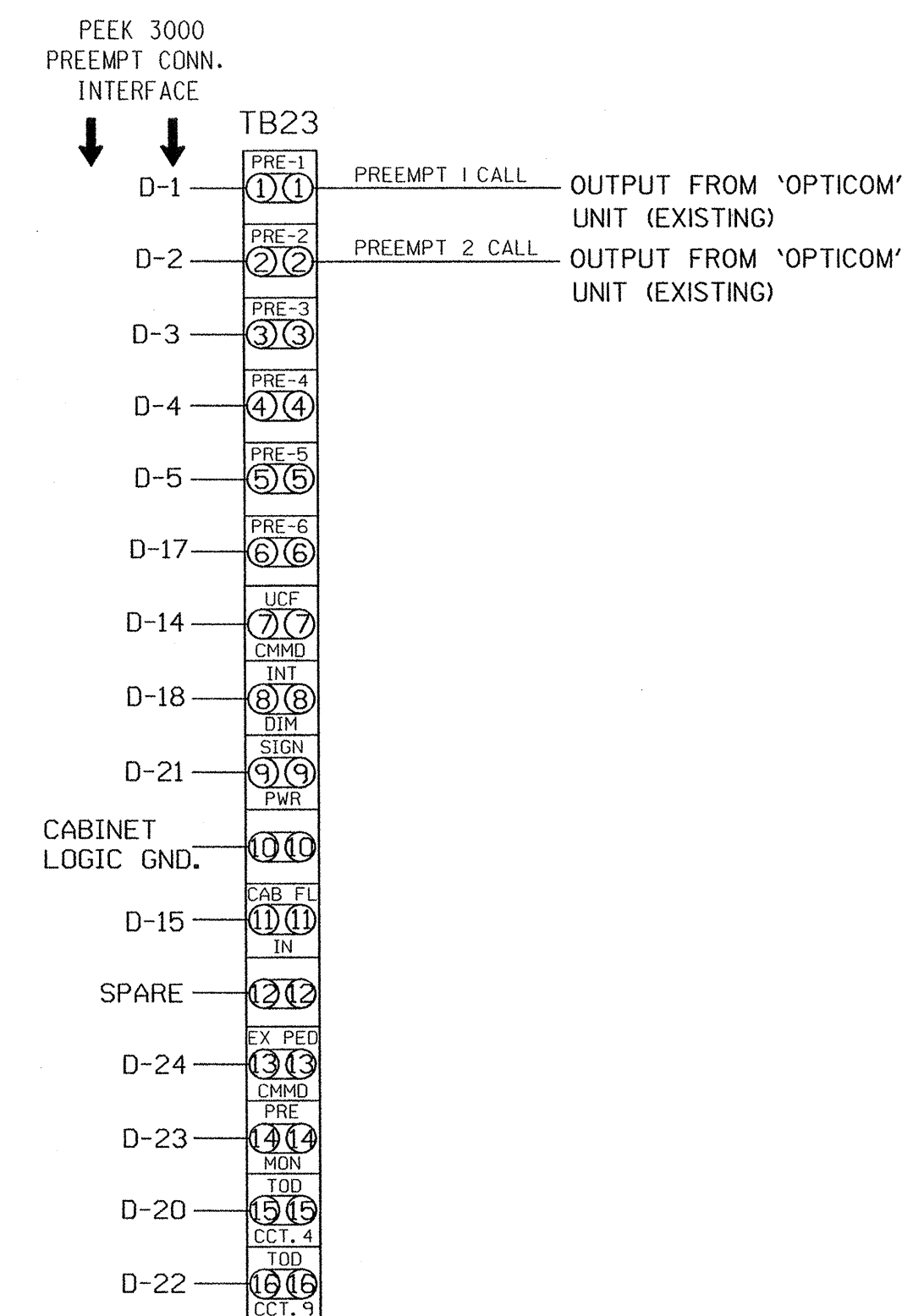
PGDN FOR NEXT INTERVAL

**NOTE :**

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

END OF PROGRAMMING

**EMERGENCY VEHICLE PREEMPTION  
WIRING DETAIL  
(WIRE AS SHOWN)**



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0382  
DESIGNED: AUGUST 2004  
SEALED: AUG 16, 2004  
REVISED: TBD

SIGNAL UPGRADE - FINAL DESIGN

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**SEPI ENGINEERING GROUP**

2300 Rexwoods Drive  
Suite 370  
Raleigh, NC 27607  
Tel:919-789-9977 Fax:789-9591

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:  
Traffic Engineering and Signal Systems  
Department of Transportation  
Signal Management Section

**US 64 BUS (RALEIGH ST.) AT STOKES AVENUE**

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 DATE

SIG. INVENTORY NO. 04-0382