

**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 ⊕	RAILROAD: N	GO TO HIGHER PE: N	MAX INTERVALS: 3	USER PRIORITY: 1
PE INPUT LOCK: Y	NEMA PRIORITY: Y	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	0	0
(0-255 SECS)	(0-255 SECS)	(0-255 SECS)	(0-255 SECS)	(0-255 SECS)

**

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	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
VALID	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
DWELL	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FIXED	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.
TENTH	X	X	X	.	.	.	.	.	.	.	.	.	.	.	.	.

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

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

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.
0	0	0	0

VALUE(YES/NO)

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

**STEP 6
INTERVAL 1**

1. PER RUN DATA

2. INTERVAL DATA

3. 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
COLOR	.	G	.	.	.	G	.	.	.	.	.	.	.	.	.	.
PED COL

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

continued at top right

**STEP 7
INTERVAL 2**

RUN 3 INTERVAL 2 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)

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

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: 1.5 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
COLOR	.	R	.	.	.	R	.	.	.	.	.	.	.	.	.	.
PED COL

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

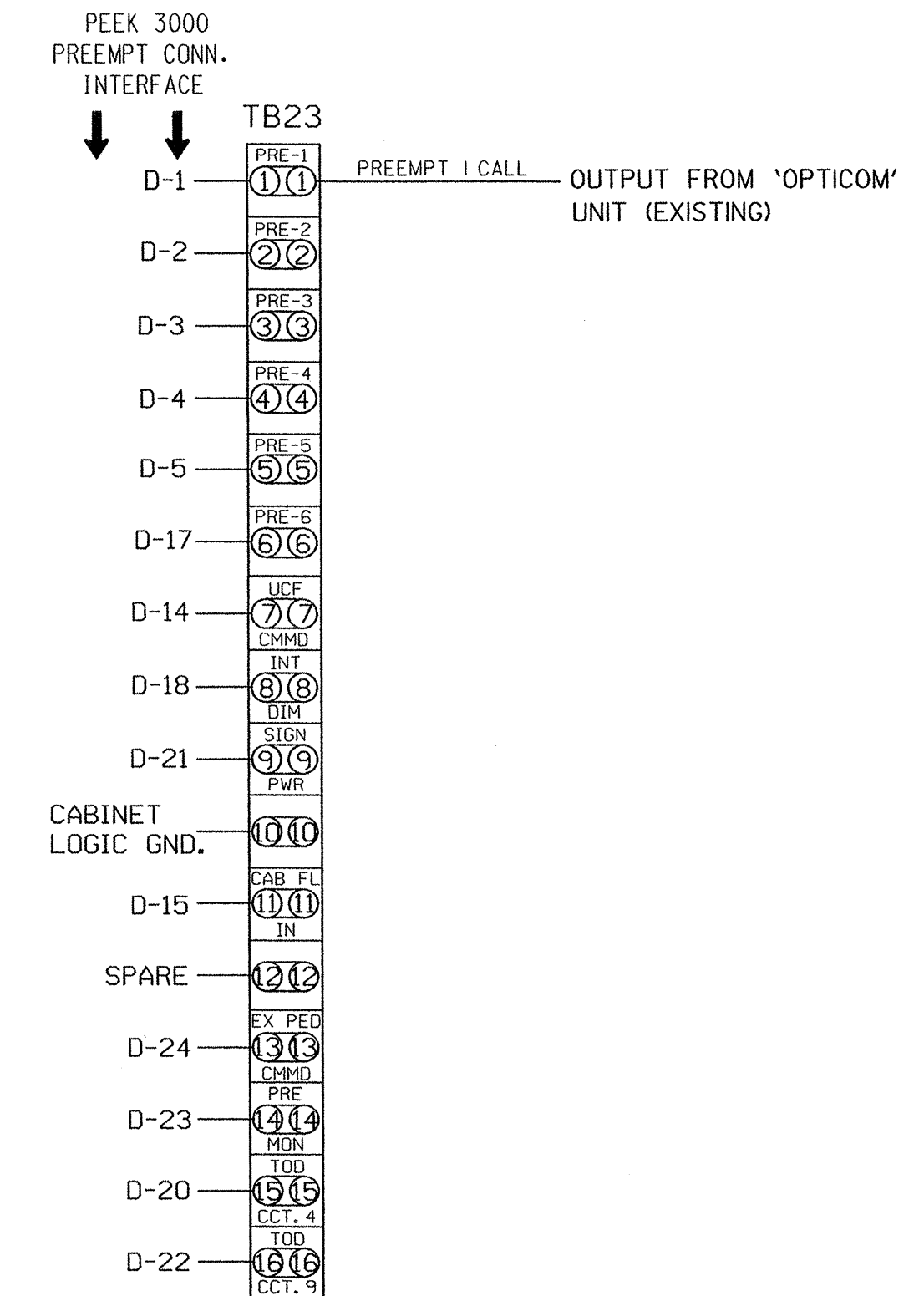
PGDN FOR NEXT INTERVAL

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

END OF PROGRAMMING

** 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.

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



SIGNAL UPGRADE - FINAL DESIGN

PAGE 2 OF 2

SEPI ENGINEERING GROUP

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ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:
Traffic Engineering and Safety Services
Department of Transportation
State of North Carolina
Signal Management Section
122 N. McDowell St., Raleigh, NC 27603

**US 64 BUS (RALEIGH ST.)
AT
US 64 BYPASS WB RAMP**

DIVISION 04 EDGECOMBE COUNTY ROCKY MOUNT
PLAN DATE: AUGUST 2004 REVIEWED BY: J O DEATON
PREPARED BY: N W YALCH REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 07438
ENGINEER JAMES O. DEATON

JAMES O. DEATON
SIGNATURE DATE
SIG. INVENTORY NO. 04-0653

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0653
DESIGNED: AUGUST 2004
SEALED: AUG 16, 2004
REVISED: TBD