

**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

1. PER RUN DATA
2. INTERVAL DATA
3. FLASH PLAN FOR RUN 3

WHEN CHANGING RUN DATA, DISABLE RUN UNDER PER RUN DATA

PER RUN 3 MENU

1. RUN ENABLE, RR, MAX INTVS, LOCK, PRIORITY
2. TIME BEFORE PE, RUN RESERVICE, RUN DURATION
3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
4. VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
5. 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

1. RUN ENABLE, RR, MAX INTVS, LOCK, PRIORITY
2. TIME BEFORE PE, RUN RESERVICE, RUN DURATION
3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
4. VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
5. 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

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

RUN 3 MINIMUM ENTRY TIMES INHIBIT DOUBLE CLR O/L ENTERING PE: N

GREEN	YELLOW	RED	PEL CLR	O/L	YEL
0.0	0.0	0.0	0	0	0
(0-----25.5 SECS)	(0-255 SECS)	(0-255 SECS)			

**

STEP 4

PER RUN 3 MENU

1. RUN ENABLE, RR, MAX INTVS, LOCK, PRIORITY
2. TIME BEFORE PE, RUN RESERVICE, RUN DURATION
3. MIN ENTRY TIMES, INH DOUBLE CLR O/L
4. VALID, FIXED, TENTHS, PC->YEL, EXIT, DWELL INTVS
5. 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
FUNC/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 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
FUNC/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

STEP 5

PER RUN 3 MENU

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

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

STEP 6
INTERVAL 1

PREEMPTION RUN 3 MENU

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
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 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
COLOR	.	G	.	G	.	.	.	.	.	.	.	.	.	.	.	.
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: 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
COLOR	.	Y	.	Y	.	.	.	.	.	.	.	.	.	.	.	.
PED COL

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: 1.5 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

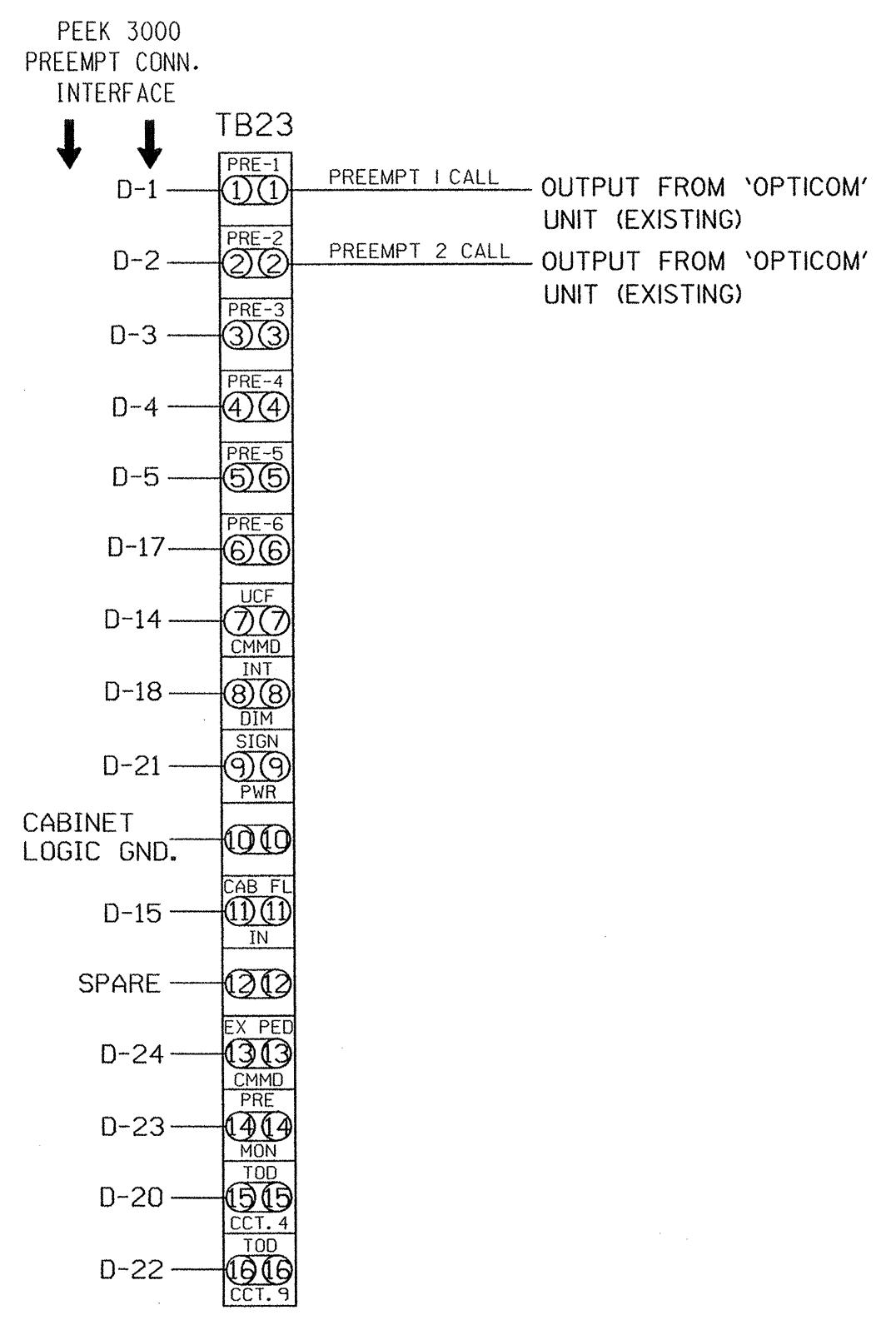
PGDN FOR NEXT INTERVAL

NOTE :

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

END OF PROGRAMMING

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



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

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ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:
Traffic Engineering and Safety Services, Inc.
STATE OF NORTH CAROLINA
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 SEAL 07438
ENGINEER JAMES O. DEATON

SIGNATURE DATE

SIG. INVENTORY NO. 04-0382T