

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

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

MAX INTERVALS: 3 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
- 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 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
- 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 4 MINIMUM ENTRY TIMES INHIBIT DOUBLE CLR O/L ENTERING PE: N

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

STEP 4

PER RUN 4 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 4 PER INTERVAL DATA VALUE(YES/NO)

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

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

RUN 4 PER INTERVAL DATA VALUE(YES/NO)

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

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

STEP 5

PER RUN 4 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 4 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
PHASES	.	.	X	.	.	X	.	.	.	.	1	1	1	1	1	1
CALLS	1	1	1	1	1	1

**STEP 6
INTERVAL 1**

1. PER RUN DATA

2. INTERVAL DATA

3. 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)

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

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL

PROGRAMMING CONTINUED AT TOP RIGHT

**STEP 7
INTERVAL 2**

RUN 4 INTERVAL 2 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)

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

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: 1.5 PH FLASH: 0 PED FLASH: 0

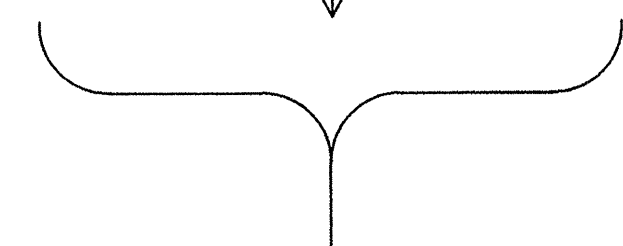
VALUE(0 = R/D, 1 = Y/P, 2 = G/W)

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

PGDN FOR OVERLAPS

PGDN FOR PE OUTS

PGDN FOR NEXT INTERVAL



NOTE :

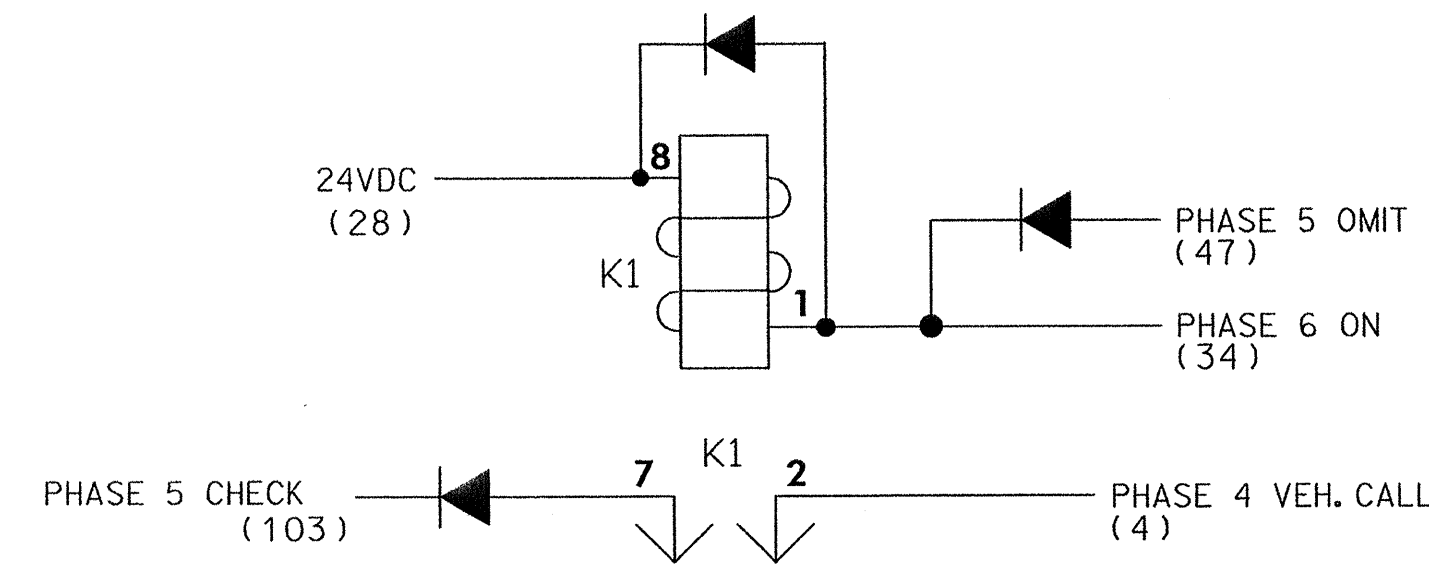
THERE IS NO PROGRAMMING REQUIRED FOR OVERLAPS OR 'PE OUTS' FOR ANY INTERVAL

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.

BACK-UP PROTECTION WIRING DETAIL

(WIRE AS SHOWN)



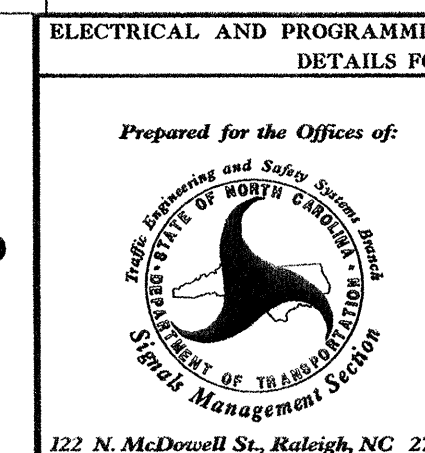
NOTES

- RELAY 'K1' IS A SPST WITH A 24VDC COIL. (P&B* KRP3DH or APPROVED EQUIVALENT)
- ALL DIODES ARE VALUED AT 600V pvv, 1 AMP MINIMUM. (RECOMMENDED PART NO. 1N4005)
- WHEN TRAFFIC CONDITIONS REQUIRE THE CONTROLLER TO BACK UP FROM PHASE 2+6 TO PHASE 5, THIS RELAY LOGIC CIRCUIT WILL FORCE THE CONTROLLER TO CYCLE THROUGH PHASE 4+8. THE CONTROLLER IS NOT ALLOWED TO BACK UP DIRECTLY TO PHASE 5 FROM PHASE 2+6.

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

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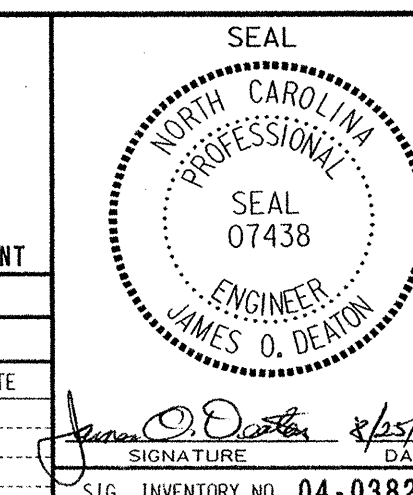
US 64 BUS (RALEIGH ST.) AT STOKES AVENUE

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



SIG. INVENTORY NO. 04-0382T