

ECONOLITE ASC/3-2070 RAILROAD PREEMPT PROGRAMMING DETAIL

(program controller as shown)

- 1. From Main Menu select **4. PREEMPTOR/TSP**
- 2. From PREEMPTOR/TSP/SCP Submenu select **1. PREEMPT PLAN 1-10**

Place cursor in [] next to Preempt Plan and press 1. Then press the right cursor arrow and toggle the controller to YES. Next cursor down. This will select Railroad Preempt #1.

Place cursor in [] next to Preempt Plan and press 2. Then press the right cursor arrow and toggle the controller to YES. Next cursor down. This will select Railroad Preempt #2.

Place cursor in [] next to Preempt Plan and press 3. Then press the right cursor arrow and toggle the controller to YES. Next cursor down. This will select Railroad Preempt #3.

Place cursor in [] next to Preempt Plan and press 4. Then press the right cursor arrow and toggle the controller to YES. Next cursor down. This will select Railroad Preempt #4.

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PREEMPT PLAN [ 1]  ENABLE....YES
VEH/PED 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
OVERLAP A B C D E F G H I J K L M N O P
TRKCLR V . . . X . . X . . . . . . . . . .
TRKCLR O . . . . . . . . . . . . . . . . .
ENA TRL . . . . . . . . . . . . . . . . .
DWEL VEH . . X . . . . . . . . . . . . . .
DWEL PED . . . . . . . . . . . . . . . . .
DWEL OLP . . . . . . . . . . . . . . . . .
CYC VEH . . . . . . . . . . . . . . . . .
CYC PED . . . . . . . . . . . . . . . . .
CYC OLP . . . . . . . . . . . . . . . . .
EXIT PH . . . X . . . X . . . . . . . . . .
EXIT CAL . . . . . . . . . . . . . . . . .
SP FUNC . . . . . . . . . . . . . . . . .

ENABLE... YESIPMT OVRIDE..IINTERLOCK. NO
DET LOCK... .IDELAY.. 0IINHIBIT... 0
OVERRIDE FL. .IDURATION 0ICLR-GRN... NO
TERM OLP. NOIPC>YEL YESITERM PH NO
PED DARK.. NOITC RESRV YESIDWELL FL OFF
LINK PMT...0IX FLCOLR REDIEXIT OPT. OFF
X TMG PLN...OIRE-SERV.. 0IFLT TYPE.HARD
FREE DUR PMTIR1 NOIR2 NOIR3 NOIR4 NO
--TIMING-----WALKIPED CLIMN GRI YELI RED
ENTRANCE TM. 11 3.01 1125.5125.5
-----MIN GRIEXT GRIMX GRI YELI RED
TRACK CLEAR 191 01 01 4.61 2.3
-----MIN DLIPMTEXTIMX TMI YELI RED
DWL/CYC-EXIT 71 0.01 0125.5125.5
PMT ACTIVE OUT..ON PMT ACT DWELL...NO
OTHER - PRI PMT.OFF NON-PRI PMT....OFF
INH EXT TIME... 0.0 PED PR RETURN...OFF
PRIORITY RETURN.OFF QUEUE DELAY.... OFF
COND DELAY.....OFF
PHASES 1 2 3 4 5 6 7 8
PR RTN% 0 0 0 0 0 0 0 0
PHASES 9 10 11 12 13 14 15 16
PR RTN% 0 0 0 0 0 0 0 0

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PREEMPT PLAN [ 2]  ENABLE....YES
VEH/PED 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
OVERLAP A B C D E F G H I J K L M N O P
TRKCLR V X . . . . . X . . . . . . . . . .
TRKCLR O . . . . . . . . . . . . . . . . .
ENA TRL . . . . . . . . . . . . . . . . .
DWEL VEH . . X . . . . . . . . . . . . . .
DWEL PED . . . . . . . . . . . . . . . . .
DWEL OLP . . . . . . . . . . . . . . . . .
CYC VEH . . . . . . . . . . . . . . . . .
CYC PED . . . . . . . . . . . . . . . . .
CYC OLP . . . . . . . . . . . . . . . . .
EXIT PH . . . X . . . X . . . . . . . . . .
EXIT CAL . . . . . . . . . . . . . . . . .
SP FUNC . . . . . . . . . . . . . . . . .

ENABLE... YESIPMT OVRIDE..IINTERLOCK. NO
DET LOCK... .IDELAY.. 0IINHIBIT... 0
OVERRIDE FL. .IDURATION 0ICLR-GRN... NO
TERM OLP. NOIPC>YEL NOITERM PH NO
PED DARK.. NOITC RESRV YESIDWELL FL OFF
LINK PMT...1IX FLCOLR REDIEXIT OPT. OFF
X TMG PLN...OIRE-SERV.. 0IFLT TYPE.HARD
FREE DUR PMTIR1 NOIR2 NOIR3 NOIR4 NO
--TIMING-----WALKIPED CLIMN GRI YELI RED
ENTRANCE TM. 2551 2551 1125.5125.5
-----MIN GRIEXT GRIMX GRI YELI RED
TRACK CLEAR 351 01 01 3.81 2.5
-----MIN DLIPMTEXTIMX TMI YELI RED
DWL/CYC-EXIT 01 0.01 0125.5125.5
PMT ACTIVE OUT..ON PMT ACT DWELL...NO
OTHER - PRI PMT.OFF NON-PRI PMT....OFF
INH EXT TIME... 0.0 PED PR RETURN...OFF
PRIORITY RETURN.OFF QUEUE DELAY.... OFF
COND DELAY.....OFF
PHASES 1 2 3 4 5 6 7 8
PR RTN% 0 0 0 0 0 0 0 0
PHASES 9 10 11 12 13 14 15 16
PR RTN% 0 0 0 0 0 0 0 0

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PREEMPT PLAN [ 3]  ENABLE....YES
VEH/PED 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
OVERLAP A B C D E F G H I J K L M N O P
TRKCLR V X . . . . . X . . . . . . . . . .
TRKCLR O . . . . . . . . . . . . . . . . .
ENA TRL . . . . . . . . . . . . . . . . .
DWEL VEH . . X . . . . . . . . . . . . . .
DWEL PED . . . . . . . . . . . . . . . . .
DWEL OLP . . . . . . . . . . . . . . . . .
CYC VEH . . . . . . . . . . . . . . . . .
CYC PED . . . . . . . . . . . . . . . . .
CYC OLP . . . . . . . . . . . . . . . . .
EXIT PH . . . X . . . X . . . . . . . . . .
EXIT CAL . . . . . . . . . . . . . . . . .
SP FUNC . . . . . . . . . . . . . . . . .

ENABLE... YESIPMT OVRIDE..IINTERLOCK. NO
DET LOCK... .IDELAY.. 0IINHIBIT... 0
OVERRIDE FL. .IDURATION 0ICLR-GRN... NO
TERM OLP. NOIPC>YEL YESITERM PH NO
PED DARK.. NOITC RESRV YESIDWELL FL OFF
LINK PMT...0IX FLCOLR REDIEXIT OPT. OFF
X TMG PLN...OIRE-SERV.. 0IFLT TYPE.HARD
FREE DUR PMTIR1 NOIR2 NOIR3 NOIR4 NO
--TIMING-----WALKIPED CLIMN GRI YELI RED
ENTRANCE TM. 11 3.01 1125.5125.5
-----MIN GRIEXT GRIMX GRI YELI RED
TRACK CLEAR 351 01 01 3.81 2.5
-----MIN DLIPMTEXTIMX TMI YELI RED
DWL/CYC-EXIT 71 0.01 0125.5125.5
PMT ACTIVE OUT..ON PMT ACT DWELL...NO
OTHER - PRI PMT.OFF NON-PRI PMT....OFF
INH EXT TIME... 0.0 PED PR RETURN...OFF
PRIORITY RETURN.OFF QUEUE DELAY.... OFF
COND DELAY.....OFF
PHASES 1 2 3 4 5 6 7 8
PR RTN% 0 0 0 0 0 0 0 0
PHASES 9 10 11 12 13 14 15 16
PR RTN% 0 0 0 0 0 0 0 0

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PREEMPT PLAN [ 4]  ENABLE....YES
VEH/PED 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
OVERLAP A B C D E F G H I J K L M N O P
TRKCLR V . . . X . . X . . . . . . . . . .
TRKCLR O . . . . . . . . . . . . . . . . .
ENA TRL . . . . . . . . . . . . . . . . .
DWEL VEH . . X . . . . . . . . . . . . . .
DWEL PED . . . . . . . . . . . . . . . . .
DWEL OLP . . . . . . . . . . . . . . . . .
CYC VEH . . . . . . . . . . . . . . . . .
CYC PED . . . . . . . . . . . . . . . . .
CYC OLP . . . . . . . . . . . . . . . . .
EXIT PH . . . X . . . X . . . . . . . . . .
EXIT CAL . . . . . . . . . . . . . . . . .
SP FUNC . . . . . . . . . . . . . . . . .

ENABLE... YESIPMT OVRIDE..IINTERLOCK. NO
DET LOCK... .IDELAY.. 0IINHIBIT... 0
OVERRIDE FL. .IDURATION 0ICLR-GRN... NO
TERM OLP. NOIPC>YEL NOITERM PH NO
PED DARK.. NOITC RESRV YESIDWELL FL OFF
LINK PMT...3IX FLCOLR REDIEXIT OPT. OFF
X TMG PLN...OIRE-SERV.. 0IFLT TYPE.HARD
FREE DUR PMTIR1 NOIR2 NOIR3 NOIR4 NO
--TIMING-----WALKIPED CLIMN GRI YELI RED
ENTRANCE TM. 2551 2551 1125.5125.5
-----MIN GRIEXT GRIMX GRI YELI RED
TRACK CLEAR 191 01 01 4.61 2.3
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DWL/CYC-EXIT 01 0.01 0125.5125.5
PMT ACTIVE OUT..ON PMT ACT DWELL...NO
OTHER - PRI PMT.OFF NON-PRI PMT....OFF
INH EXT TIME... 0.0 PED PR RETURN...OFF
PRIORITY RETURN.OFF QUEUE DELAY.... OFF
COND DELAY.....OFF
PHASES 1 2 3 4 5 6 7 8
PR RTN% 0 0 0 0 0 0 0 0
PHASES 9 10 11 12 13 14 15 16
PR RTN% 0 0 0 0 0 0 0 0

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NOTICE LINK PMT 1 →

NOTICE LINK PMT 3 →

Linked preempts 1 and 2 make up preempt RR1

Linked preempts 3 and 4 make up preempt RR2

ECONOLITE ASC/3-2070 PREEMPT FILTERING

- 1. From Main Menu select **4. PREEMPTOR/TSP**
- 2. From PREEMPTOR/TSP/SCP Submenu select **2. ENABLE PREEMPT FILTERING & TSP/SCP**
- 3. Ensure all preempt entries are set to BYPASSED for both SOLID and PULSING.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0054
DESIGNED: March 2018
SEALED: 03-29-2018
REVISED: N/A



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ELECTRICAL AND PROGRAMMING DETAILS FOR:



Prepared in the Offices of:
750 N. Greenfield Pkwy, Garner, NC 27529

US 401 Business (Raeford Road)
at
McPherson Church Road/
Owen Drive
Division 6 Cumberland County Fayetteville

PLAN DATE: March 2018 REVIEWED BY: L Overn
PREPARED BY: G B Spell REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
SEAL 045933
LAWRENCE E. OVERN
3/29/2018
DATE
SIG. INVENTORY NO. 06-0054

Final Design
Electrical Detail - Sheet 4 of 6

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DATE: 03/29/2018 10:45:11 AM
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