

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PAGE 1: VEHICLE OVERLAP 'A' SETTINGS
 PHASE: 12345678910111213141516
 VEH OVL PARENTS: XX X
 VEH OVL NOT VEH:
 VEH OVL NOT PED:
 VEH OVL GRN EXT:
 STARTUP COLOR: - RED - YELLOW - GREEN
 FLASH COLORS: - RED - YELLOW - GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...Y
 GREEN EXTENSION (0-255 SEC)...4
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...3.7
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...1.2
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

PRESS '+'

PAGE 1: VEHICLE OVERLAP 'B' SETTINGS
 PHASE: 12345678910111213141516
 VEH OVL PARENTS: XX
 VEH OVL NOT VEH:
 VEH OVL NOT PED:
 VEH OVL GRN EXT:
 STARTUP COLOR: - RED - YELLOW - GREEN
 FLASH COLORS: - RED - YELLOW - GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...N
 GREEN EXTENSION (0-255 SEC)...4
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...3.0
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...1.9
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

PRESS '+'

PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
 PHASE: 12345678910111213141516
 VEH OVL PARENTS: XX X
 VEH OVL NOT VEH:
 VEH OVL NOT PED:
 VEH OVL GRN EXT:
 STARTUP COLOR: - RED - YELLOW - GREEN
 FLASH COLORS: - RED - YELLOW - GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...Y
 GREEN EXTENSION (0-255 SEC)...4
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...4.0
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...1.3
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

PRESS '+'

PAGE 1: VEHICLE OVERLAP 'D' SETTINGS
 PHASE: 12345678910111213141516
 VEH OVL PARENTS: X X X
 VEH OVL NOT VEH:
 VEH OVL NOT PED:
 VEH OVL GRN EXT:
 STARTUP COLOR: - RED - YELLOW - GREEN
 FLASH COLORS: - RED - YELLOW - GREEN
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
 FLASH YELLOW IN CONTROLLER FLASH?...N
 GREEN EXTENSION (0-255 SEC)...4
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...3.0
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...1.9
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

OVERLAP PROGRAMMING COMPLETE

EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions). Press 'NEXT' as needed to advance to Preempts 3, 4 and 5.

PREEMPTION #3 SETTINGS (NEXT:1-10)
 INTERVAL/TIMING CLEAR/DWELL PHASES
 GRN YEL RED 12345678910111213141516
 1 255 0.0 0.0 X X
 2 0 0.0 0.0
 3 0 0.0 0.0
 4 0 0.0 0.0
 5 1 0.0 0.0 X X
 EXIT CALLS
 OPTIONS
 PRIORITY (Y/N TO SELECT)MED
 DELAY TIMER (0-255 SEC)0
 MIN GREEN BEFORE PRE (0= DEFAULT)...1
 PED CLEAR BEFORE PRE (0= DEFAULT)...0
 YELLOW CLEAR BEFORE PRE (0= DEFAULT)...0.0
 RED CLEAR BEFORE PRE (0= DEFAULT)...0.0
 DWELL MIN TIMER (0-255 SEC)10
 DWELL MAX TIMER (0=OFF,1-255MIN) ...0
 DWELL HOLD-OVER TIMER (0-255)0
 LATCH CALL?N
 LINK TO NEXT PREEMPT?N
 ENABLE BACKUP PROTECTION?N
 HOLD CLEAR 1 PHASES DURING DELAY? ...N
 FAST GREEN FLASH DWELL PHASES?N
 PED CLEARANCE THROUGH YELLOW?N
 INHIBIT OVERLAP GREEN EXTENSION? ...N
 SERVICE DURING SOFTWARE FLASH?N
 REST IN RED DURING DWELL INTERVAL? ..N
 FLASH DWELL INTERVAL?N
 ALLOW PEDS IN DWELL INTERVAL?N
 RE-TIME DWELL INTERVAL?N
 OVERLAPS: ABCDEFGHIJKLMNPO
 DWELL INT FLASH YELLOW
 OMIT OVERLAPS:

PRESS 'NEXT'

Program extend time on optical detector unit for 2.0 seconds.

PREEMPTION #4 SETTINGS (NEXT:1-10)
 INTERVAL/TIMING CLEAR/DWELL PHASES
 GRN YEL RED 12345678910111213141516
 1 255 0.0 0.0 X X
 2 0 0.0 0.0
 3 0 0.0 0.0
 4 0 0.0 0.0
 5 1 0.0 0.0 X X
 EXIT CALLS
 OPTIONS
 PRIORITY (Y/N TO SELECT)MED
 DELAY TIMER (0-255 SEC)0
 MIN GREEN BEFORE PRE (0= DEFAULT)...1
 PED CLEAR BEFORE PRE (0= DEFAULT)...0
 YELLOW CLEAR BEFORE PRE (0= DEFAULT)...0.0
 RED CLEAR BEFORE PRE (0= DEFAULT)...0.0
 DWELL MIN TIMER (0-255 SEC)10
 DWELL MAX TIMER (0=OFF,1-255MIN) ...0
 DWELL HOLD-OVER TIMER (0-255)0
 LATCH CALL?N
 LINK TO NEXT PREEMPT?N
 ENABLE BACKUP PROTECTION?N
 HOLD CLEAR 1 PHASES DURING DELAY? ...N
 FAST GREEN FLASH DWELL PHASES?N
 PED CLEARANCE THROUGH YELLOW?N
 INHIBIT OVERLAP GREEN EXTENSION? ...N
 SERVICE DURING SOFTWARE FLASH?N
 REST IN RED DURING DWELL INTERVAL? ..N
 FLASH DWELL INTERVAL?N
 ALLOW PEDS IN DWELL INTERVAL?N
 RE-TIME DWELL INTERVAL?N
 OVERLAPS: ABCDEFGHIJKLMNPO
 DWELL INT FLASH YELLOW
 OMIT OVERLAPS:

PRESS 'NEXT'

PREEMPTION #5 SETTINGS (NEXT:1-10)
 INTERVAL/TIMING CLEAR/DWELL PHASES
 GRN YEL RED 12345678910111213141516
 1 255 0.0 0.0 X
 2 0 0.0 0.0
 3 0 0.0 0.0
 4 0 0.0 0.0
 5 1 0.0 0.0 X
 EXIT CALLS
 OPTIONS
 PRIORITY (Y/N TO SELECT)MED
 DELAY TIMER (0-255 SEC)0
 MIN GREEN BEFORE PRE (0= DEFAULT)...1
 PED CLEAR BEFORE PRE (0= DEFAULT)...0
 YELLOW CLEAR BEFORE PRE (0= DEFAULT)...0.0
 RED CLEAR BEFORE PRE (0= DEFAULT)...0.0
 DWELL MIN TIMER (0-255 SEC)7
 DWELL MAX TIMER (0=OFF,1-255MIN) ...0
 DWELL HOLD-OVER TIMER (0-255)0
 LATCH CALL?N
 LINK TO NEXT PREEMPT?N
 ENABLE BACKUP PROTECTION?N
 HOLD CLEAR 1 PHASES DURING DELAY? ...N
 FAST GREEN FLASH DWELL PHASES?N
 PED CLEARANCE THROUGH YELLOW?N
 INHIBIT OVERLAP GREEN EXTENSION? ...N
 SERVICE DURING SOFTWARE FLASH?N
 REST IN RED DURING DWELL INTERVAL? ..N
 FLASH DWELL INTERVAL?N
 ALLOW PEDS IN DWELL INTERVAL?N
 RE-TIME DWELL INTERVAL?N
 OVERLAPS: ABCDEFGHIJKLMNPO
 DWELL INT FLASH YELLOW
 OMIT OVERLAPS:

PROGRAMMING COMPLETE

PHASE SEQUENCE PROGRAMMING DETAIL

(program controller as shown below)

FROM DASH LOCAL CONTROLLER MAIN MENU
 SELECT: 4 PHASE SEQUENCE

PHASE SEQUENCE: PAGE 1 NEXT: PAGES)												
RNG	LEAD	BARRIER 1	X-LAG	LEAD	BARRIER 2	X-LAG	LEAD	BARRIER 3	X-LAG	LEAD	BARRIER 4	X-LAG
1	10	2	0	0	13	0	0	14	0	17	0	0
2	15	6	0	0	0	0	0	0	0	10	0	0
3	10	0	0	0	0	0	0	0	0	10	0	0
4	10	0	0	0	0	0	0	0	0	10	0	0

This plan supersedes the plan signed and sealed on 11/13/2018.

Electrical Detail -Temporary Phase I-Sheet 2 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR: US 74 Business (Marion Street) at NC 150 (Cherryville Road)/ SR 2053 (Peach Street)

Division 12 Cleveland County Shelby

PLAN DATE: March 2022 REVIEWED BY: J. Ma

PREPARED BY: M. L. Stygles REVIEWED BY:

REVISIONS: INIT. DATE

DocuSigned by: 3/1/2022

750 N. Greenfield Pkwy, Garner, NC 27529

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0600T1
 DESIGNED: March 2022
 SEALED: 03/01/2022
 REVISED: N/A



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

