

DRILL HOLES

DRILL HOLES

DRILL HOLES

REVISION DATE: FEB 7, 2012

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM DETECTORS FOR 10 INTERSECTIONS IN HARFORD COUNTY, MD. THE LOCATIONS ARE ALONG MD 924 AT WHEEL ROAD, ABINGDON/SINGER RD, AND BOX HILL SOUTH PARKWAY, MD 24 AT EDGEWOOD ROAD, SINGER ROAD, AND MD 7. MD 7 AT ABINGDON ROAD, AND MD 543, US 40 AT ABINGDON ROAD AND OTTER CREEK RAMP.

MD 924 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION
MD 24 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION
MD 7 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION
US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

INTERSECTION OPERATION

THE INTERSECTION OPERATIONS WILL REMAIN THE SAME EXCEPT FOR THE INSTALLATION OF AN EMERGENCY PRE-EMPT PHASE.

CONTROLLER REQUIREMENTS

- 1. MD 924 (EMMORTON RD) AND ABINGDON RD/SINGER RD
THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED
2. MD 924 (EMMORTON RD) AND WHEEL RD
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED
3. MD 924 (EMMORTON RD) AND BOX HILL SOUTH PKWY/PORTER DR
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED
4. MD 24 (VIETNAM VETERANS MEMORIAL HIGHWAY) AND SINGER RD
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED
5. MD 24 (VIETNAM VETERANS MEMORIAL HIGHWAY) AND MD 755 (EDGEWOOD RD)/VAN BIBBER RD
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED
6. MD 7 (PHILADELPHIA RD) AND MD 24 (VIETNAM VETERANS MEMORIAL HWY)
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED
7. MD 7 (PHILADELPHIA RD) AND ABINGDON RD
THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED
8. MD 7 (PHILADELPHIA RD) AND MD 543 (RIVERSIDE PKWY/CRESWELL RD)
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED
9. US 40 (PULASKI HWY) AND ABINGDON RD/OTTER POINT RD
THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED
10. US 40 (PULASKI HWY) AND MD 24 RAMP (VIETNAM VETERANS MEMORIAL HWY)
THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

- STANDARD NO. MD-104.04-02 (SHOULDER WORK)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR THE SHA ARE AS FOLLOWS:

- MS. ERIN KUHN ASSISTANT DISTRICT ENGINEER - TRAFFIC
MR. ROBERT SNYDER ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
MR. ANDRE FUTRELL ASSISTANT DISTRICT ENGINEER - MAINTENANCE
MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION
MR. MICHAEL PASQUARIELLO DISTRICT UTILITY ENGINEER

EQUIPMENT LIST "A"

A. NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

EQUIPMENT LIST "C"

C. NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

Table with columns: ITEM CODE, CATEGORY CODE, QTY, UNITS, DESCRIPTION. Includes items like MAINTENANCE OF TRAFFIC, 4 CONDUCTOR OPTICOM CABLE, DISCRIMINATOR MODULE, and OPTICOM NO. 721 DETECTOR EYE.

T3 DESIGN, P.C. 3927 OLD LEE HWY SUITE 101-C FAIRFAX, VA 22030 PHONE: 703-359-5861 www.t3design.us

BY: swilkening

1

MD 924 AND ABINGDON RD/SINGER RD
TS NO. 1904 H
LOGMILE 12092401.01

PHASING CHART

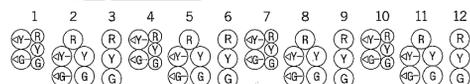
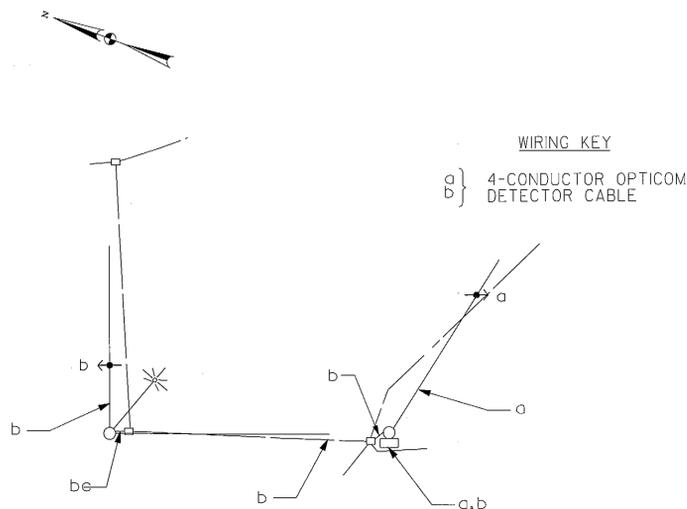


Table of phasing operations for intersection 1, including PHASE 1 AND 5, PHASE 1 AND 6, PHASE 2 AND 5, PHASE 2 AND 6, PHASE 3 AND 7, PHASE 3 AND 8, PHASE 4 AND 7, PHASE 4 AND 8, and FLASHING OPERATION.

EMERGENCY PRE-EMPTION

Table of emergency pre-emption operations including EMERGENCY PRE-EMPTION 1, PRE-EMPTION CLEARANCE, EMERGENCY PRE-EMPTION 2 AND 3, PRE-EMPTION CLEARANCE, PHASE 2 AND 6, and NORMAL OPERATION.

WIRING DIAGRAM



WIRING KEY

- a) 4-CONDUCTOR OPTICOM DETECTOR CABLE

2

MD 924 AND WHEEL RD
TS NO. 3481 C
LOGMILE 12092402.28

PHASING CHART

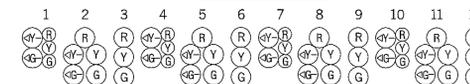
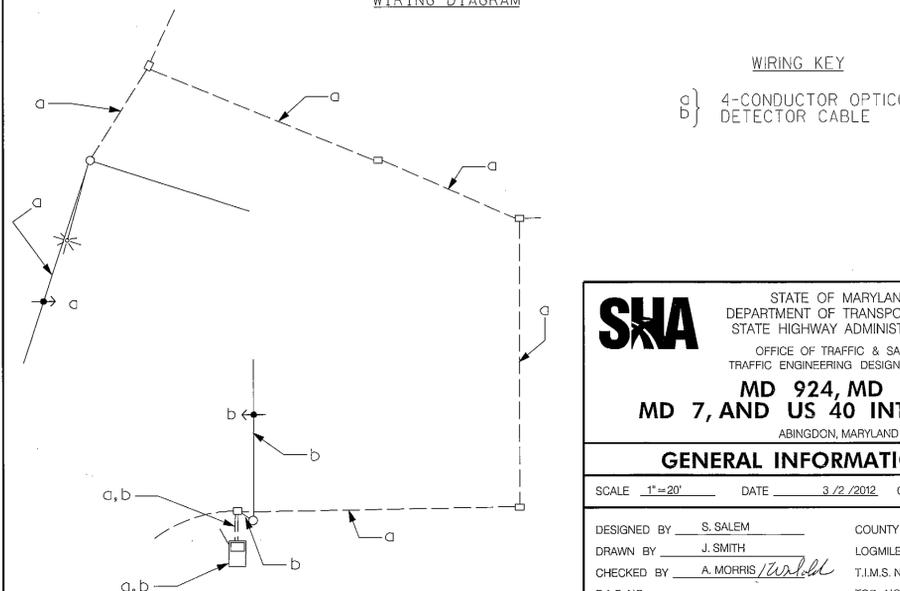


Table of phasing operations for intersection 2, including PHASE 1 AND 5, PHASE 1 AND 6, PHASE 2 AND 5, PHASE 2 AND 6, PHASE 3 AND 7, PHASE 3 AND 8, PHASE 4 AND 7, PHASE 4 AND 8, and FLASHING OPERATION.

EMERGENCY PRE-EMPTION

Table of emergency pre-emption operations including EMERGENCY PRE-EMPTION 1 AND 2, PRE-EMPTION CLEARANCE, PHASE 2 AND 6, and NORMAL OPERATION.

WIRING DIAGRAM



WIRING KEY

- a) 4-CONDUCTOR OPTICOM DETECTOR CABLE

TOD NO: XY125-03
SHA NO: HA400B51
MD 924, MD 24, MD 7, US 40
(Opticom's)

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 924, MD 24, MD 7, AND US 40 INTERSECTIONS ABINGDON, MARYLAND

GENERAL INFORMATION SHEET

Table with project details: SCALE 1"=20', DATE 3/2/2012, CONTRACT NO. XY1255185, DESIGNED BY S. SALEM, COUNTY HARFORD, DRAWN BY J. SMITH, LOGMILE, CHECKED BY A. MORRIS, T.I.M.S. NO. J977, F.A.P. NO., TOD NO., TS NO., DRAWING TSP-11 OF 15, SHEET NO. 11 OF 15.