

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE REPLACEMENT OF EXISTING PRESENCE LOOP DETECTORS WITH VIDEO DETECTION CAMERAS AND THE REPLACEMENT OF EXISTING ADVANCE LOOP DETECTORS WITH MICRO-LOOP PROBES AT THE INTERSECTION OF MD 45 (YORK ROAD) AND WIGHT AVENUE/VALLEY VIEW FARMS ENTRANCE IN BALTIMORE COUNTY. MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE ARE EXCLUSIVE/PERMISSIVE LEFT TURN PHASES FOR BOTH THE NORTHBOUND AND SOUTHBOUND MOVEMENTS OF MD 45. THE MD 45 THROUGH MOVEMENTS OPERATE CONCURRENTLY. THE WIGHT AVENUE/VALLEY VIEW FARMS ENTRANCE THROUGH MOVEMENTS OPERATE CONCURRENTLY.

THE SIGNAL WILL CONTINUE TO BE INTERCONNECTED TO THE MD 45/ASHLAND ROAD AND THE MD 45/SHAWAN ROAD INTERSECTIONS TO THE NORTH.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET/CONTROLLER AND PHASING WILL BE UTILIZED.

THE PRESENCE AND SAMPLING DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH VIDEO DETECTION CAMERAS.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT

EQUIPMENT LIST "B"

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

CATEGORY CODE NO.	SPECIFICATION NUMBER	QUANTITY	DESCRIPTION
800000	800	1 LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
810550	810,815	4 EA	MICROLOOP PROBE, 500 FOOT LEAD-IN CABLE
811002	811	1 EA	REMOVE ELECTRICAL HANDHOLE
816001	800	4 EA	VIDEO DETECTION CAMERA
816005	800	4 EA	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER
860270	814	6 EA	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860272	814	32 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
862102	815	175 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

CONTACTS FOR DISTRICT 4:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER,
TRAFFIC
410-321-2781/2785

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER,
MAINTENANCE
410-321-2761

MS. SUENETTE POPE
UTILITIES ENGINEER
410-321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
410-787-7676

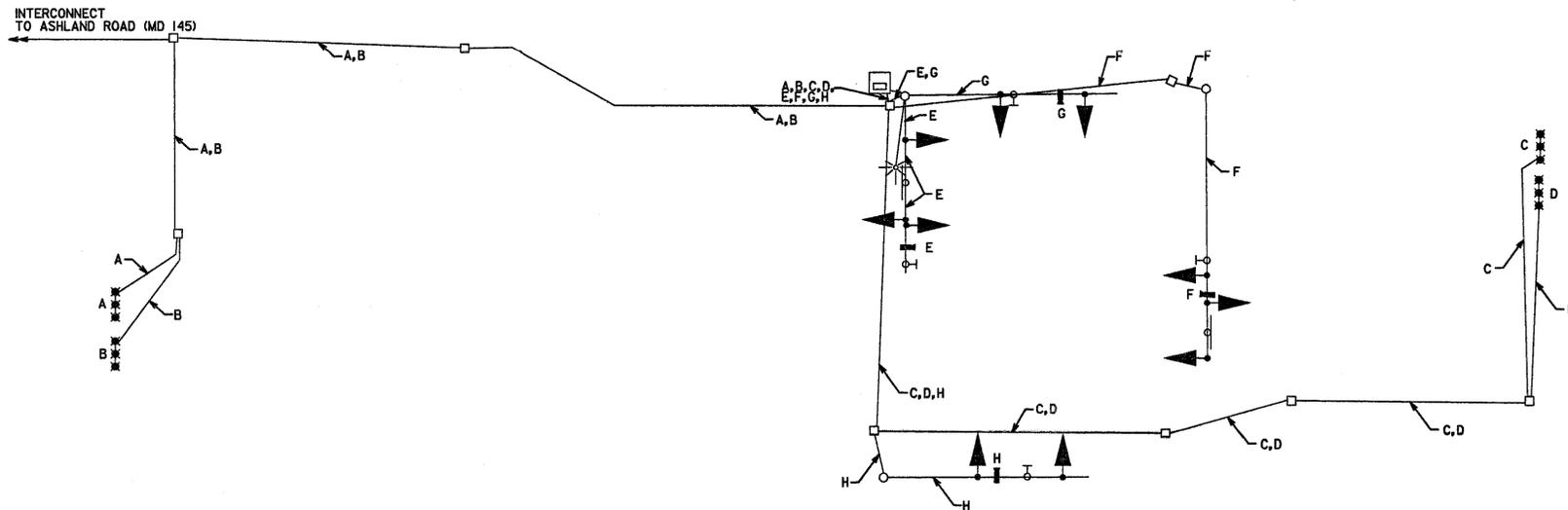
MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
410-787-7656

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR.

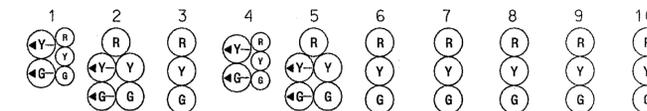
WIRING DIAGRAM



WIRING KEY

A, B, C, D MICROLOOP PROBE LEAD-IN CABLE
E, F, G, H VIDEO DETECTION LEAD-IN CABLE

PHASE CHART



PHASE	1	2	3	4	5	6	7	8	9	10
PHASE 1 + 5	R	R	R	R	R	R	R	R	R	R
PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6										
PHASE 2 + 5	G	G	G	R	R	R	R	R	R	R
2 + 5 CHANGE	Y	Y	Y	R	R	R	R	R	R	R
PHASE 1 + 6	R	R	R	G	G	G	R	R	R	R
1 + 6 CHANGE	R	R	R	Y	Y	Y	R	R	R	R
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

SIGNAL PLAN SHEET 4

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 45 (YORK ROAD) AT WIGHT AVE/
VALLEY VIEW FARMS ENTRANCE

REVISION C CONSULTANT

WALLACE, MONTGOMERY & ASSOCIATES, LLP
CIVIL AND STRUCTURAL ENGINEERS
110 West Road
Suite 300
Towson, Maryland 21204

SCALE N.T.S. DATE 11/19/98 CONTRACT NO. BW996M82

DESIGNED BY _____ COUNTY BALTIMORE
DRAWN BY J.E.S. LOGMILE 03004509.21
CHECKED BY [Signature] T.I.M.S. NO. 6855
F.A.P. NO. N/A TOD NO. _____

DRAWING NO. TS 2573C- OF SHEET NO. OF

BY: \$USERNAME\$