PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 7 (PHILADELPHIA ROAD) AND FASHION WAY IN HARFORD COUNTY, MARYLAND. MD 7 (PHILADELPHIA ROAD) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

USE EXISTING CABINET AND CONTROLLER.

MAINTENANCE OF TRAFFIC

THE FOLLOWING MINIMUM TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.02-01 (SHOULDER WORK)

STANDARD NO. MD-104.02-03 (LANE SHIFT RIGHT OR LEFT SIDE)

STANDARD NO. MD-104.02-09 (FLAGGING OPERATION)

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2381

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

QUANTITY	DESCRIPTION
1 EACH	RETRO-FIT DETECTOR RACK
1 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
1 EACH	VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS

EQUIPMENT LIST "C"

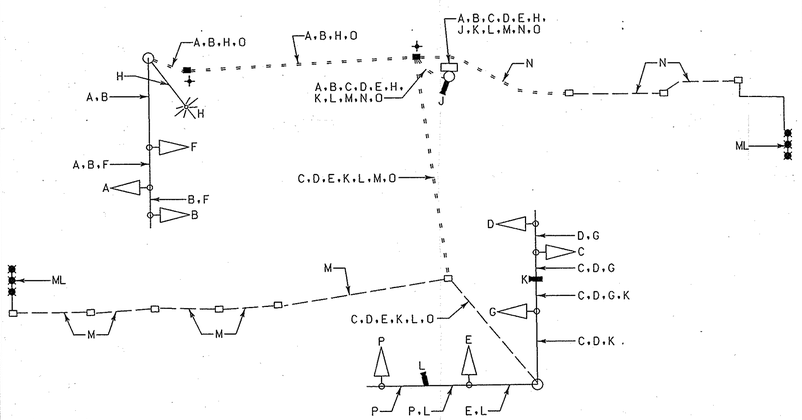
NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

EQUIPMENT LIST "B"

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

QUANTITY	DESCRIPTION
1 EACH	MAINTENANCE OF TRAFFIC
15 L.F.	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
1 EACH	CONTROL CABLE, 100 FOOT, VIDEO DETECTION CABLE
2 EACH	CONTROL CABLE, 200 FOOT, VIDEO DETECTION CABLE
225 L.F.	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
10 L.F.	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
75 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
45 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
130 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
10 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
1 EACH	MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN CABLE
1 EACH	MICROLOOP PROBE SET WITH 1000 FOOT LEAD-IN CABLE
2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
3 EACH	VIDEO DETECTION CAMERA
2 EACH	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
200 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 A.W.G)
60 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G)
840 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G)
35 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
2 EACH	CONDUIT BEND IN EXISTING BASE
1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT

WIRING DIAGRAM



WIRING KEY

A, B, C, D, E — 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

P, F, G — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

H — 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)

J, K, L — VIDEO CAMERA DETECTION LEAD-IN CABLE

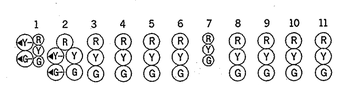
M, N — MICROLOOP PROBE LEAD-IN

O — STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

ML - MICROLOOP PROBE SET

+ - 3/4 IN. X 10 FT. GROUND ROD

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11
PHASE 1 AND 6	G	G	G	R	R	R	R	R	R	R	R
1 AND 6 CHANGE	G	G	G	R	R	R	R	R	R	R	R
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G
4 AND 8 CHANGE	R	R	R	R	R	R	Y	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	FL/R

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 7 @ FASHION WAY

Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

GENERAL INFORMATION SHEET

SCALE NONE DATE 12/02/2005 CONTRACT NO. AT7175185

DESIGNED BY B. DONOWAY
DRAWN BY B. DONOWAY
CHECKED BY N. LEARY
F.A.P. NO.

COUNTY HARFORD
LOGMILE
T.I.M.S. NO. H562
TOD NO.

DRAWING NO. 4460 - OF SHEET NO. 2 OF 2

PLOTTED: 3/10/2006
FILE: N:\3155610\CADD\TRAFFIC\PSG-N002_MD7.DGN

BY: SBLOSS