## PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A PEDESTRIAN ACTIVATED HAZARD IDENTIFICATION BEACON AND SMART PAD DETECTABLE WARNING SURFACE AT THE INTERSECTION OF MD 147 (HARFORD ROAD) AND GARNET ROAD IN BALTIMORE COUNTY, MARYLAND. MD 147 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER AT WOODSIDE AVENUE 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-104.03-01 (SHOULDER WORK)

STANDARD NO. MD-104.03-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.03-05 (RIGHT LANE CLOSURE)

## PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
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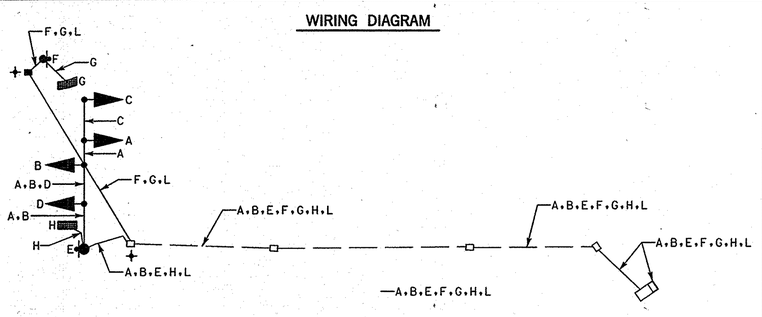
MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

## WIRING DIAGRAM




WIRING KEY

A, B } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

C, D } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

E, F, G, H } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

L } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

⏚ - 3/4 IN. X 10 FT. GROUND ROD


WR&A
Whitman, Requardt and Associates, LLP
Engineers, Architects and Planners
801 South Caroline Street
Baltimore, Maryland 21231
410-235-3450


BY: jcheng

## EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 9571 | 61 S.F. | SHEET ALUMINUM SIGNS TO CONSIST OF : |
| | | - 2 EACH SIGN NOS. 5 & 6 (9 IN. x 12 IN.) (BLACK ON WHITE) - POLE MOUNT |
| | | - 2 EACH SIGN NOS. 7 & 8 (102 IN. x 42 IN.) (BLACK ON FLO. YELLOW) - MAST ARM MOUNT |
| 9000 | 2 EACH | PEDESTRIAN PUSHBUTTON |

## EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

## PHASE CHART

| | 1 (Y) | 2 (Y) | 3 (Y) | 4 (Y) |
|---|---|---|---|---|
| NORMAL OPERATION | DARK | DARK | DARK | DARK |
| SPECIAL OPERATION | FL/Y | FL/Y | FL/Y | FL/Y |

## EQUIPMENT LIST "B"

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

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 2002 | 2 C.Y. | TEST PIT EXCAVATION |
| ~~5005~~ | ~~20 L.F.~~ | ~~24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS~~ |
| 8008 | 1 EACH | BREAKAWAY PEDESTAL POLE (ANY SIZE) |
| 8016 | 1 EACH | MAST ARM POLE & 60 FT MAST ARM ANY 'T' DIMENSION |
| 8033 | 45 L.F. | SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - SLOTTED |
| 8034 | 50 L.F. | SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED |
| 8036 | 61 S.F. | INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE) |
| 8037 | 20 S.F. | REMOVE-REINSTALL DECORATIVE BRICK SIDEWALK |
| 8038 | 450 L.F. | NO. 6 AWG STRANDED BARE COPPER GROUND WIRE |
| 8045 | 1 EACH | FURNISH AND INSTALL ELECTRICAL HANDHOLE |
| 8050 | 4 EACH | 12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION |
| 8052 | 2 EACH | CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE |
| 8054 | 2450 L.F. | ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) |
| 8056 | 860 L.F. | ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) |
| 8057 | 875 L.F. | ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) |
| NEG | 2 EACH | SMART PED DETECTABLE WARNING SURFACE |
| ~~NEG~~ | ~~1 EACH~~ | ~~AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT~~ |

TOD NO:XX445-05
SHA NO:BA874A52/B52
MD 147@ PUTTY HILL AND EMERALD

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

MD 147 (HARFORD ROAD) AND
GARNET ROAD /POST OFFICE

# GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE _____ CONTRACT NO. XX4455185

DESIGNED BY S. Bloss
DRAWN BY S. Bloss
CHECKED BY N. Leary
F.A.P. NO. SEE TITLE SHEET

COUNTY BALTIMORE
LOGMILE _____
TIMS NO. _____
TOD NO. _____

TS NO. | DRAWING TSP-5 OF 5 | SHEET NO. 5 OF 5

PLOTTED: 09-16-2008
FILE: n:\31556-160\CADD\pSG-N005_Garnet.dgn