N

MD 43 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS

18,21 — Perry Hills RD — 22,25 — Perry Hills RD — D-3(1) (VAR.x16") DUAL FACE

19,20,23 24,26,29 — ONLY — R3-5(L) (30"x36")

27,30 — R3-6 (30"x36")

28 — WEST / MARYLAND / 43 — SHIELD ASSEMBLY (30"x51")

PROPOSED VIDEO DETECTION CAMERA

a,b,c,d

PROPOSED SIGNALS

1-4, 7-9 — R, Y, G, G — 12"

5,6,10, 11,14,17 — R, Y, G — 12"

12,13, 15,16 — R, Y, G, G — 12"

SEE SPECIAL NOTE 1

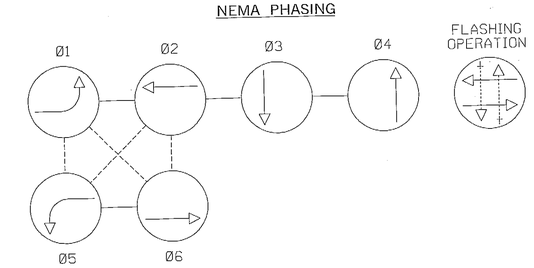
EXISTING SIGNALS TO BE REMOVED

2A-4A, 8A,9A — R, Y, G — 12"

5A,6A,10A, 11A,14A,17A — R, Y, G — 12"

12A,13A, 16A — R, Y, G, G — 12"

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

CONSTRUCTION DETAILS

A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT AND THE EXISTING DETECTOR RACK SHALL BE RETROFITTED WITH ONE (1) FOUR-CHANNEL LOOP AMPLIFIER).
B. USE EXISTING CONDUIT.
C. USE EXISTING HANDHOLE.
D. REMOVE EXISTING DAMAGED HANDHOLE. INSTALL HANDHOLE ON TOP OF EXISTING HANDHOLE LOCATION *AND REUSE EXISTING CONDUIT.*
E. REMOVE EXISTING HANDHOLE AND RE-INSTALL IN-KIND ROTATING HANDHOLE *90 DEGREES TO ROADWAY* ON TOP OF EXISTING CONDUIT HEADING EAST/WEST LEAVING 6 IN. PROTRUDING INTO HANDHOLE.
F. USE EXISTING STRAIN POLE AND INSTALL 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AND VIDEO DETECTION CAMERA MOUNTED WITHIN 3 FT. OF TOP OF STRAIN POLE AS SHOWN.
G. INSTALL HANDHOLE.
H. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT (IN THRU LANES ONLY).
J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
K. ABANDON EXISTING MICROLOOP PROBE SET. DISCONNECT AND REMOVE MICROLOOP PROBE CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
M. USE EXISTING SPAN AND REMOVE AND INSTALL SIGNAL HEADS AS NOTED.
N. REMOVE EXISTING HANDHOLE.
P. ABANDON EXISTING CONDUIT.
Q. USE EXISTING STRAIN POLE AND INSTALL VIDEO DETECTION CAMERA MOUNTED ON EXISTING LIGHTING BRACKET.
R. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT (IN THRU LANES ONLY).

SPECIAL NOTES:

1. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.
2. DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. *ANY SIGNAL OUTAGE SHALL BE SCHEDULED* DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.

TOD NO: XX347-05
SHA NO: BA952A51/B51
MD 43; I-695 to Honeygo Boulevard

WR&A
WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

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

MD 43 (White Marsh Blvd) and Entrance to Perry Hills / Ramp 'A' to US 1
White Marsh, Maryland

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 08/18/1988 CONTRACT NO. B-818-502-471

DESIGNED BY J.A. BOLING
DRAWN BY M.A. MEARS
CHECKED BY D.J. DODA
F.A.P. NO.

COUNTY Baltimore
LOGMILE 03004302.48
TIMS NO. K348
TOD NO.

TS NO. 2515B | DRAWING TSP-1 OF 2 | SHEET NO. 1 OF 2

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
(B) UPGRADE SIGNAL HEADS & INSTALL VIDEO DETECTION & NON-INVASIVE PROBES CONTRACT SHA NO. XX3475185 12/10/2010 MLP
A MODIFY DUE TO THE ADDITION TO THE ENTRANCE TO PERRY HILLS SHA NO. BW-712-802-412 10/17/1994 MAM TH

PLOTTED: 12-13-2010
FILE: N:\31669-097\CADD\pSG-P01_K348.dgn

BY: sbloss