GREEN LINE - RELOCATED MICROPROBE LEAD-IN CABLES AND REVISED LOCATIONS OF SIGNAL POLE AND PEDESTRIAN POLE IN THE NORTHEAST QUADRANT OF THE INTERSECTION

MD 45 (YORK ROAD) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED

R3-3(4) ONLY — R3-5L ONLY — R3-6 — R3-5(l) ONLY — Timonium Road

PROPOSED SIGNS

22,23,25,26,32: R3-5 ONLY 30"X36"

27: R3-3(4) ONLY 30"X36"

29A,29B,33A,33B: SOUTH MARYLAND 45 NORTH / NORTH MARYLAND 45 SOUTH — M95-1 (72" X 24") BACK TO BACK

24A,24B,26A,26B: W. Timonium Rd E. / E. Timonium Rd W. — D-3(l) MOD 16"X 84" BACK TO BACK

31: LANE ENDS MERGE LEFT — W9-2(4) 30"X42"

30: R3-6 30"X36"

34,35,36,37: R10-4(l) 9"X12"

38,39,40,41: R10-4(l) 9"X12"

42,43: York RD — D3(l) 16"X Var. DUAL FACE

EXISTING SIGNALS TO BE REMOVED

EXISTING VIDEO DETECTION

NEMA PHASING

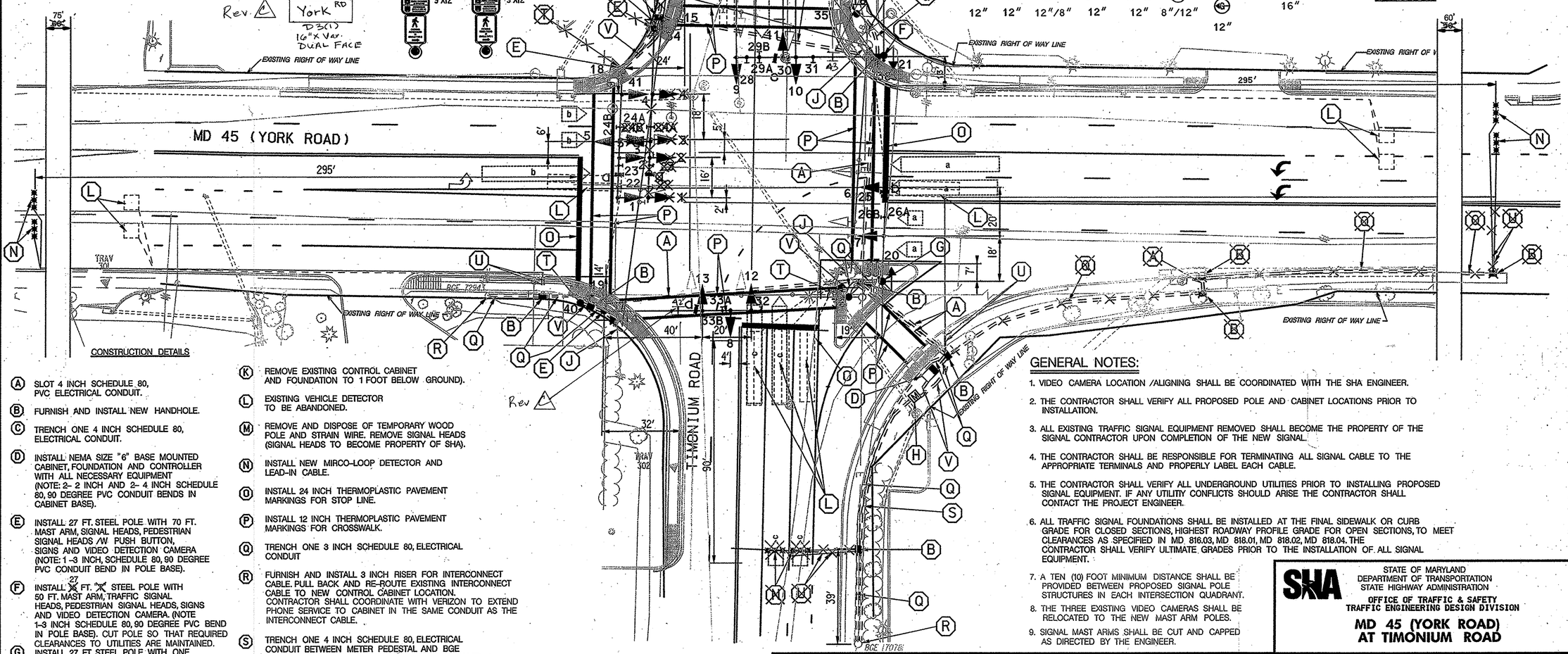
Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 — FLASHING OPERATION

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

PROPOSED SIGNALS

3,4,10,13 — 1,2 — 5 — 6 — 7 — 8,11 — 9,12 — 14,15,16,17,18,19,20,21

a,b,c,d PROPOSED VIDEO DETECTION



CONSTRUCTION DETAILS

(A) SLOT 4 INCH SCHEDULE 80, PVC ELECTRICAL CONDUIT.

(B) FURNISH AND INSTALL NEW HANDHOLE.

(C) TRENCH ONE 4 INCH SCHEDULE 80, ELECTRICAL CONDUIT.

(D) INSTALL NEMA SIZE "6" BASE MOUNTED CABINET, FOUNDATION AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2- 2 INCH AND 2- 4 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN CABINET BASE).

(E) INSTALL 27 FT. STEEL POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS /W PUSH BUTTON, SIGNS AND VIDEO DETECTION CAMERA (NOTE: 1 -3 INCH, SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND IN POLE BASE).

(F) INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA. (NOTE 1-3 INCH SCHEDULE 80, 90 DEGREE PVC BEND IN POLE BASE). CUT POLE SO THAT REQUIRED CLEARANCES TO UTILITIES ARE MAINTAINED.

(G) INSTALL 27 FT. STEEL POLE WITH ONE 50 FT. MAST ARM ARM, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PUSH BUTTON, SIGNS AND VIDEO DETECTION CAMERAS (NOTE: 1 -3 INCH SCHEDULE 80, 90 DEGREE PVC BEND IN POLE BASE).

(H) FURNISH AND INSTALL METERED SERVICE PEDESTAL.

(J) REMOVE EXISTING SIGNAL HEADS, STRAIN POLES AND FOUNDATIONS (TO 1 FOOT BELOW EXISTING GROUND).

(K) REMOVE EXISTING CONTROL CABINET AND FOUNDATION TO 1 FOOT BELOW GROUND).

(L) EXISTING VEHICLE DETECTOR TO BE ABANDONED.

(M) REMOVE AND DISPOSE OF TEMPORARY WOOD POLE AND STRAIN WIRE. REMOVE SIGNAL HEADS (SIGNAL HEADS TO BECOME PROPERTY OF SHA).

(N) INSTALL NEW MIRCO-LOOP DETECTOR AND LEAD-IN CABLE.

(O) INSTALL 24 INCH THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.

(P) INSTALL 12 INCH THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.

(Q) TRENCH ONE 3 INCH SCHEDULE 80, ELECTRICAL CONDUIT

(R) FURNISH AND INSTALL 3 INCH RISER FOR INTERCONNECT CABLE. PULL BACK AND RE-ROUTE EXISTING INTERCONNECT CABLE TO NEW CONTROL CABINET LOCATION. CONTRACTOR SHALL COORDINATE WITH VERIZON TO EXTEND PHONE SERVICE TO CABINET IN THE SAME CONDUIT AS THE INTERCONNECT CABLE.

(S) TRENCH ONE 4 INCH SCHEDULE 80, ELECTRICAL CONDUIT BETWEEN METER PEDESTAL AND BGE POLE 170781. BGE TO EXTEND SERVICE TO METERED SERVICE PEDESTAL.

(T) INSTALL 10 FOOT PEDESTAL POLE, COUNTDOWN PEDESTRIAN SIGNALS W/AUDIBLE PUSH BUTTON AND SIGN (NOTE 1-2 INCH, SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND IN POLE BASE).

(U) INSTALL 1 INCH ELECTRICAL CONDUIT – GALVANIZED SLEEVE

(V) TRENCH ONE 2 INCH SCHEDULE 80 ELECTRICAL CONDUIT

GENERAL NOTES:

1. VIDEO CAMERA LOCATION /ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. 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.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. A TEN (10) FOOT MINIMUM DISTANCE SHALL BE PROVIDED BETWEEN PROPOSED SIGNAL POLE STRUCTURES IN EACH INTERSECTION QUADRANT.
8. THE THREE EXISTING VIDEO CAMERAS SHALL BE RELOCATED TO THE NEW MAST ARM POLES.
9. SIGNAL MAST ARMS SHALL BE CUT AND CAPPED AS DIRECTED BY THE ENGINEER.

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

REVISION B CONSULTANT

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APPROVALS: TEAM LEADER — ASST. DIV. CHIEF — DIVISION CHIEF — OFFICE DIRECTOR

REVISIONS
B SIGNAL MODIFICATIONS — BA4945187
MA/FAE — B — 9-21-98 — Install "York Rd" Street name signs SF-Signal — JSD

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

MD 45 (YORK ROAD) AT TIMONIUM ROAD

SIGNAL PLAN

SCALE 1"= 20' DATE 2/19/82 CONTRACT NO.

DESIGNED BY — COUNTY BALTIMORE
DRAWN BY W.R.SMITH — LOGMILE 03004505.16
CHECKED BY — T.I.M.S. NO. H176
F.A.P. NO. — TOD NO.

DRAWING NO. 510 C TS-03 OF 04 — SHEET NO. 13 OF 14

PLOTTED: FRIDAY, OCTOBER 13, 2006 AT 11:32 AM
FILE: M:\PROJ\201018.10\CADD\PSG-P001.MD45GREEN LINE.DGN