MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

20: W.> Towsontown BLVD <E.
21: <E. Towsontown BLVD W.>
22,23: York RD

EXISTING SIGN TO BE RELOCATED (SHOWN AT FINAL LOCATION)

19: TOWSON BY-PASS

EXISTING SIGNS TO BE REMOVED

20A,21A: Towsontown Blvd.
22A,24A: York RD
23A: LEFT TURN YIELD ON GREEN
25A: PUSH BUTTON TO CROSS XXXX — START CROSSING WHEN SIGNAL FOR PEDS FLASHES — IONIC START PEDS CROSSING WHEN SIGNAL IS STEADY — PEDESTRIANS MUST NOT BE IN CROSSWALK
26A: PUSH BUTTON FOR WALK SIGNAL

PROPOSED SIGNS

24-27: PUSH BUTTON TO CROSS YORK ROAD — ELECTRICAL WARNING WHEN ON TOWING CARS — DISABLED AND EMERGENCY VEHICLES — THE REMAINING TIME IS CROSSING — PEDESTRIAN MUST NOT BE IN CROSSWALK
R10-3(1) 9" x 15"

EXISTING SIGNALS TO BE REMOVED

1A-4A,6A,7A: R Y G — 12"
9A: R Y G — 12"
10A: R Y G — 12"
11A-14A — 12"

EXISTING SIGNALS TO REMAIN

15-18: 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

PROPOSED SIGNALS

1-4,7,10: R Y G — 12"
5,8: Y R G — 12"/8"
6,9: R Y G — 12"
11-14: 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

NEMA PHASING

02 03 04 06 07 08

FLASHING OPERATION

04+08 ALT.

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

VIDEO ZONE DETECTION

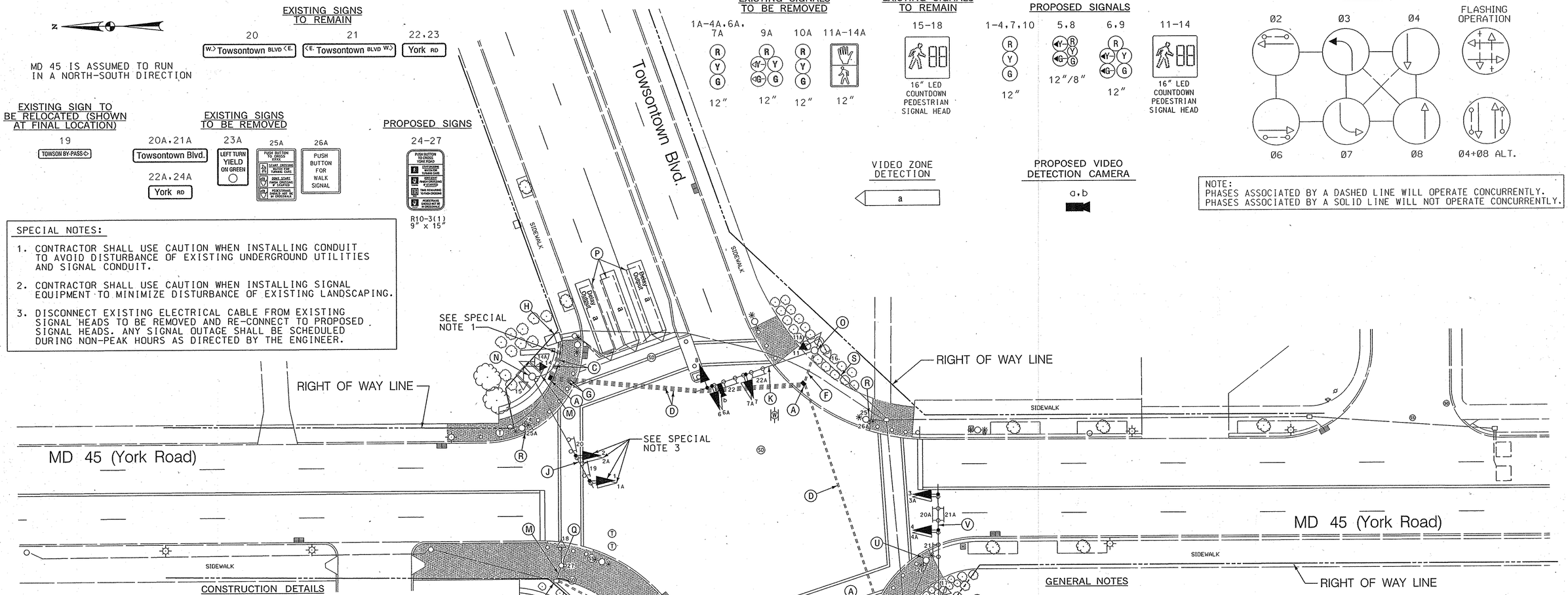
a

PROPOSED VIDEO DETECTION CAMERA

a,b

SPECIAL NOTES:

1. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING CONDUIT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES AND SIGNAL CONDUIT.
2. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO MINIMIZE DISTURBANCE OF EXISTING LANDSCAPING.
3. 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.



CONSTRUCTION DETAILS

A. INSTALL HANDHOLE.
B. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
C. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
D. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
E. REMOVE EXISTING SIDEWALK AND INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. REPLACE 4 INCH CONCRETE SIDEWALK.
F. REMOVE EXISTING SIDEWALK AND INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. REPLACE 4 INCH CONCRETE SIDEWALK.
G. REMOVE EXISTING BRICK PAVERS AND INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND RESET BRICK PAVERS.
H. USE EXISTING CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT DETECTOR RACK AND CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT). INSTALL 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE.
J. USE EXISTING MAST ARM POLE. REMOVE EXISTING SIGNAL HEADS AND INSTALL LED SIGNAL HEADS AND RELOCATE EXISTING SIGN AS NOTED.
K. USE EXISTING MAST ARM POLE. REMOVE EXISTING SIGNAL HEADS AND SIGN AND INSTALL LED SIGNAL HEADS AND VIDEO DETECTION CAMERA AS NOTED.
L. USE EXISTING HANDHOLE.
M. USE EXISTING CONDUIT.
N. USE EXISTING STEEL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD AS NOTED.
O. USE EXISTING STEEL POLE. INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD AS NOTED.
P. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
Q. INSTALL R10-3(1) ON PEDESTAL POLE.
R. REMOVE EXISTING R10-4(1) SIGN AND INSTALL R10-3(1) SIGN ON DECORATIVE LIGHTING POLE AS NOTED.
S. CAP AND ABANDON EXISTING CONDUIT.
T. REMOVE EXISTING HANDHOLE.
U. INSTALL R10-3(1) ON DECORATIVE LIGHTING POLE.
V. USE EXISTING MAST ARM POLE. REMOVE EXISTING SIGNAL HEADS AND SIGN AND INSTALL LED SIGNAL HEADS AS NOTED.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
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. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
6. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
7. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT WITHIN INTERSECTION.

TOD NO: AT913-01
SHA No: BA649A51/C51
MD 45 @ Towsontown Boulevard

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

MD 45 (York Road) and Townsontown Blvd.
Towson, MD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 7/15/1983 CONTRACT NO.

DESIGNED BY W. R. Smith
DRAWN BY
CHECKED BY
FAP NO.
COUNTY Baltimore
LOGMILE 03045001.86
TIMS NO. ~~0-210~~ 1178
TOD NO.

TS NO. 2095 D | DRAWING - OF | SHEET NO. 1 OF 2

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

D INSTALL LED SIGNAL HEADS AND E/P LEFT TURN PHASE ON S.B. TOWSONTOWN BLVD SHA. NO. AT9365185 3/28/2007
SRB NMJ
C INSTALL E/P LEFT TURN PHASE FOR EASTBOUND TOWSONTOWN BLVD SHA. NO. AT5825185 2/23/2007
MK
B ADD COUNTDOWN PEDESTRIAN SIGNALS TO NB AND SB LEGS SHA. NO. AT5825185 3/3/2005
CJP

PLOTTED: Wednesday, March 28, 2007 AT 12:58 PM
FILE: n:\31558-006\CADD\pSG-P001_1178.dgn

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

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

BY: sbloss