



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

PROJECT DESCRIPTION

I. GENERAL
THIS PORTION OF THE PROJECT INVOLVES THE REPLACEMENT OF THE EXISTING MD 45 (YORK ROAD) NB PASSAGE DETECTION AT THE INTERSECTION OF MD 45 (YORK ROAD) AND TOWSONTOWN BLVD. THIS PROJECT IS LOCATED IN BALTIMORE COUNTY, MARYLAND. MD 45 (YORK ROAD) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

PROJECT CONTACTS

THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:
MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER, TRAFFIC
410-229-2381
MR. DONALD SCHAFER
ASSISTANT DISTRICT ENGINEER, CONSTRUCTION
410-229-2421
MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER, MAINTENANCE
410-229-2361
MR. ROBERT SNYDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7631

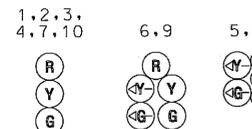
MR. MICHAEL PASQUARIELLO
DISTRICT UTILITY ENGINEER
410-229-2341
MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630
MR. EDWARD RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS
410-787-7652



EXISTING VIDEO DETECTION



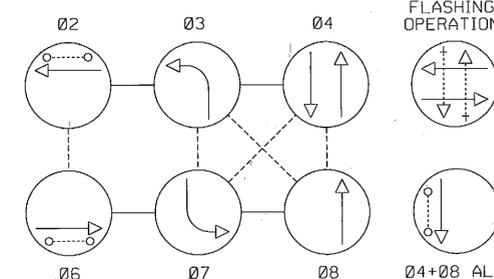
EXISTING SIGNALS



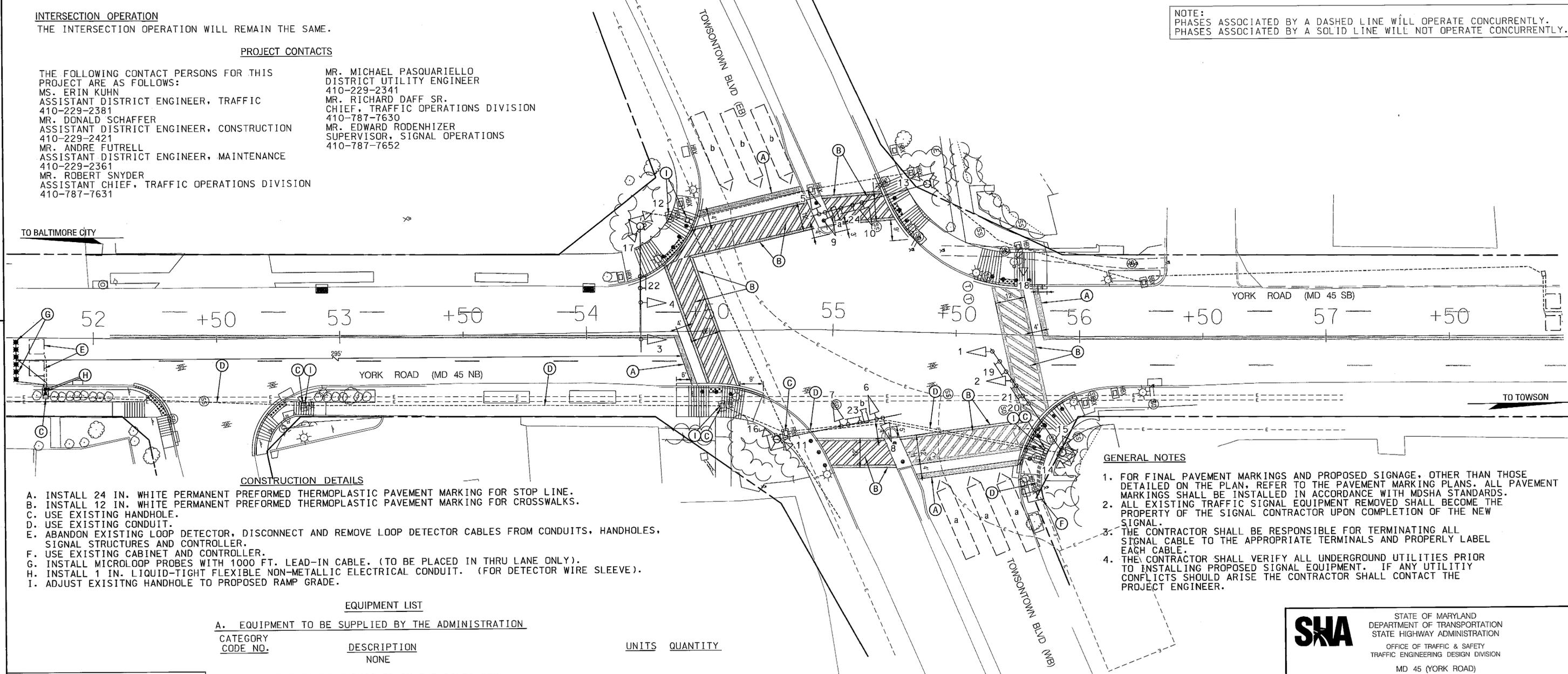
EXISTING PEDESTRIAN SIGNAL HEAD



NEMA PHASING



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



CONSTRUCTION DETAILS

- A. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- B. INSTALL 12 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- C. USE EXISTING HANDHOLE.
- D. USE EXISTING CONDUIT.
- E. ABANDON EXISTING LOOP DETECTOR, DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- F. USE EXISTING CABINET AND CONTROLLER.
- G. INSTALL MICROLOOP PROBES WITH 1000 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
- H. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE).
- I. ADJUST EXISTING HANDHOLE TO PROPOSED RAMP GRADE.

GENERAL NOTES

- 1. FOR FINAL PAVEMENT MARKINGS AND PROPOSED SIGNAGE, OTHER THAN THOSE DETAILED ON THE PLAN, REFER TO THE PAVEMENT MARKING PLANS. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 4. 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.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

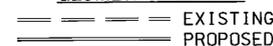
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

B. EQUIPMENT TO BE FURNISHED BY THE CONTRACTOR

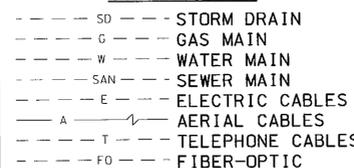
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585621	12 IN WH PERM PREF THERMO PAVEMENT MARKINGS (CROSSWALK)	LF	1170
585625	24 IN WHI PERM PREF THERMO PAVEMENT MARKINGS (STOP LINE)	LF	130
802145	ADJUST HANDHOLE TO GRADE	EA	4
805160	1 IN LIQUID-TIGHT FLEX NON-METALLIC CONDUIT	LF	10
810555	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE	EA	2
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	60

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION. 7491 CONNELLEY DRIVE, HANOVER, MD 21076
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

GEOMETRIC LEGEND



UTILITY LEGEND



PREPARED BY
URS
HUNT VALLEY, MARYLAND

APPROVALS	REVISIONS
TEAM LEADER	REPLACE MICROLOOP PROBES FOR NB MD 45 10/20/11 SHA NO. BA573577 TMS# 4728
ASST. DIR. CHIEF	URS SDY [Signature] D. INSTALL LED SIGNAL HEADS AND EP LEFT TURN PHASE ON WB TOWSONTOWN BLVD. SHA NO. A19180195 3/28/2007
DIVISION CHIEF	SRG NML WLD MR WH TH C. INSTALL EP LEFT TURN PHASE FOR EASTBOUND TOWSONTOWN BLVD SHA NO. AT5825195 2/23/2007
OFFICE DIRECTOR	MK

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 45 (YORK ROAD)
TOWSONTOWN BLVD
TOWSON, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 7/15/1983 CONTRACT NO. _____
DESIGNED BY W.R. Smith COUNTY BALTIMORE
DRAWN BY _____ LOGMILE 03045001.86
CHECKED BY _____ T.I.M.S. NO. 1178
F.A.P. NO. _____ TOD NO. _____
TS NO. 2095 E DRAWING NO. **5G** - 6 OF 6 SHEET NO. 35 OF 35