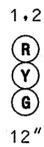


US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

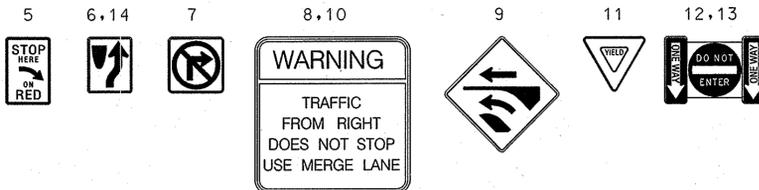
PROPOSED LED SIGNALS



EXISTING SIGNALS



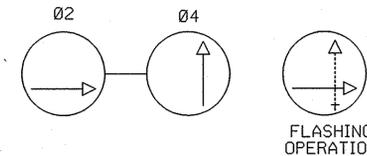
EXISTING SIGNS



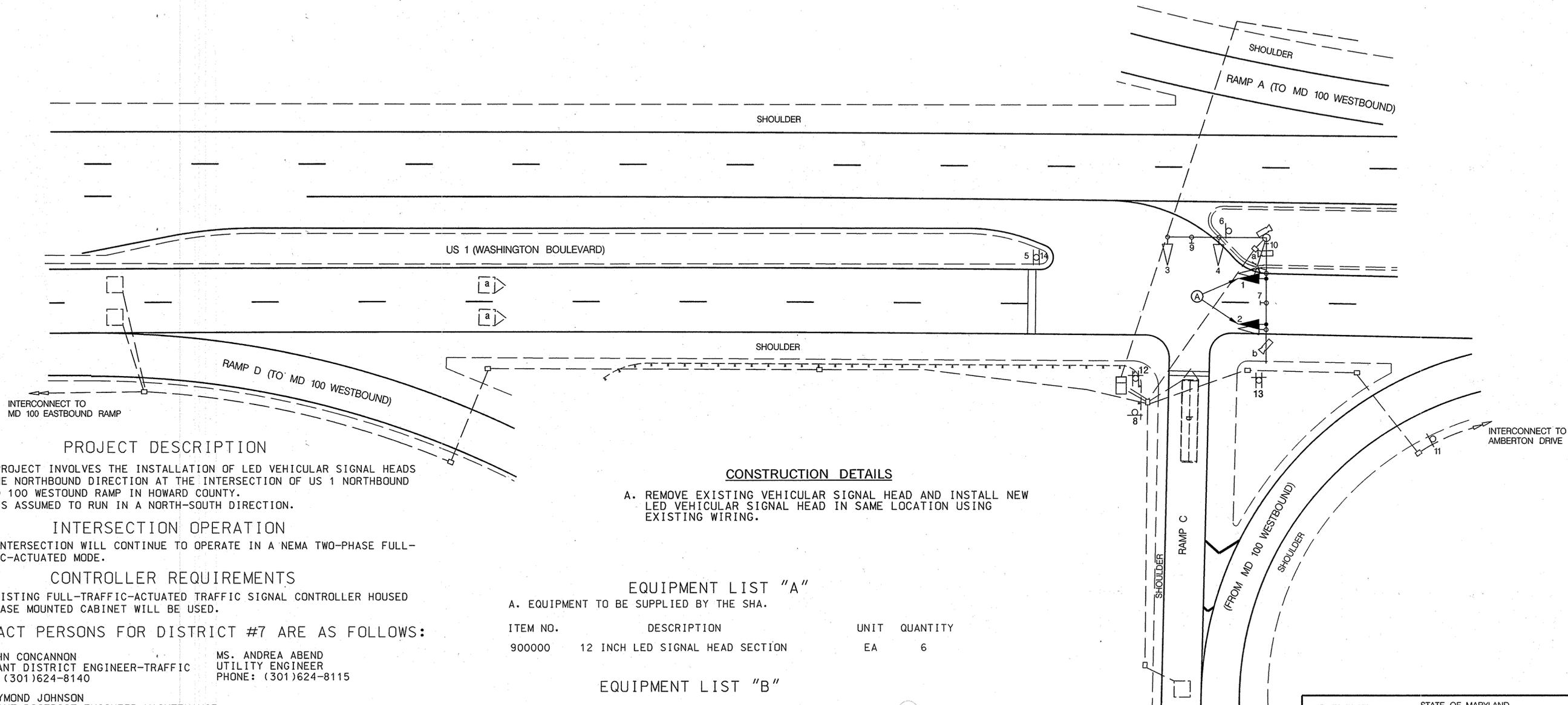
EXISTING VIDEO DETECTION



NEMA PHASING



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



PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF LED VEHICULAR SIGNAL HEADS FOR THE NORTHBOUND DIRECTION AT THE INTERSECTION OF US 1 NORTHBOUND AND MD 100 WESTBOUND RAMP IN HOWARD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA TWO-PHASE FULL-TRAFFIC-ACTUATED MODE.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED.

CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER-TRAFFIC, PHONE: (301)624-8140
 MS. ANDREA ABEND, UTILITY ENGINEER, PHONE: (301)624-8115

MR. RAYMOND JOHNSON, ASSISTANT DISTRICT ENGINEER-MAINTENANCE, PHONE: (301)624-8105

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR., CHIEF, TRAFFIC OPERATIONS DIVISION, PHONE: (410)787-7630
 MR. ROBERT SNYDER, ASSISTANT DIVISION CHIEF TRAFFIC OPERATIONS, PHONE: (410)787-7630

MR. ED RODENHIZER, CHIEF, SIGNAL OPERATIONS, PHONE: (410)787-7650
 MR. EUGENE BAILEY, CHIEF, SIGN OPERATIONS, PHONE: (410)787-7676

CONSTRUCTION DETAILS

A. REMOVE EXISTING VEHICULAR SIGNAL HEAD AND INSTALL NEW LED VEHICULAR SIGNAL HEAD IN SAME LOCATION USING EXISTING WIRING.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
900000	12 INCH LED SIGNAL HEAD SECTION	EA	6

EQUIPMENT LIST "B"

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

NONE

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND RETURNED TO SHA.

NONE

UTILITY LEGEND

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

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 US 1 (WASHINGTON BOULEVARD) NORTHBOUND
 AT MD 100 WESTBOUND (RAMP 'C')

APPROVALS	REVISIONS	TRAFFIC SIGNALIZATION PLAN SHEET	
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	059008 INSTALLATION OF LED SIGNAL HEADS FOR NB US 1 SHOP FORCES SDY [Signature]	SCALE 1"=20'	ADVERTISED DATE OCTOBER 1999 CONTRACT NO. AW 890-501-070
	DESIGNED BY J.D. MALINOWSKI	COUNTY	HOWARD
	DRAWN BY L.M. TAUBER	LOGMILE	13000107.51
	CHECKED BY D. DODA	TIMS NO.	1768
	F.A.P. NO. NA	TOD NO.	NA
	TS NO. 2591A	DRAWING SG-01 OF 02	SHEET NO. 1 OF 2

BY: syoung2