US 301 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION TO THE EXISTING OPTICOM EQUIPMENT FOR EB AND WB SMALLWOOD ROAD AND THE INSTALLATION OF NEARSIDE SIGNAL HEADS FOR US 301.

EXISTING SIGNALS

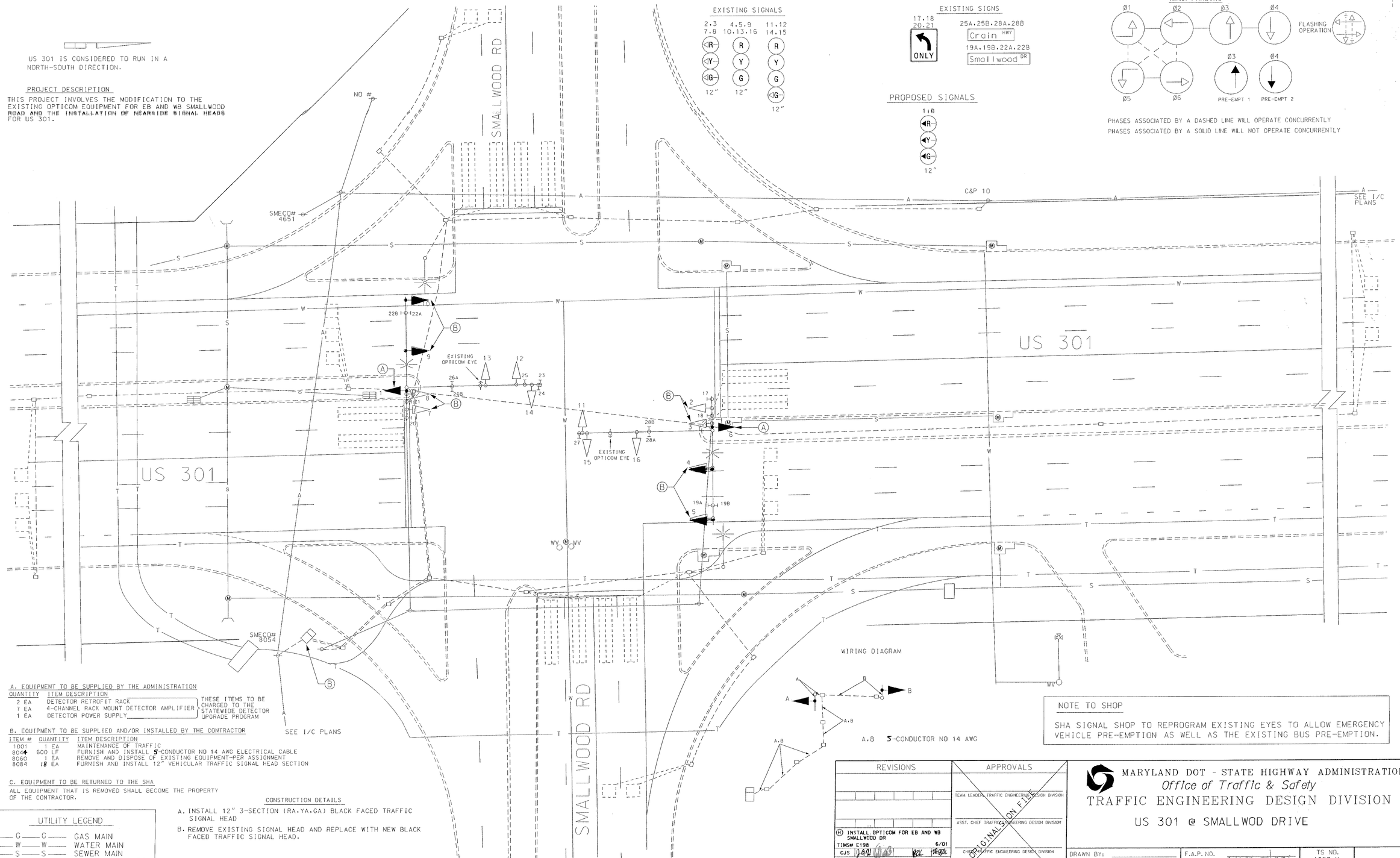
EXISTING SIGNS

PROPOSED SIGNALS

NEMA PHASING

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	ITEM DESCRIPTION	
2 EA	DETECTOR RETROFIT RACK	THESE ITEMS TO BE CHARGED TO THE STATEWIDE DETECTOR UPGRADE PROGRAM
7 EA	4-CHANNEL RACK MOUNT DETECTOR AMPLIFIER	
1 EA	DETECTOR POWER SUPPLY	

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

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8044	600 LF	FURNISH AND INSTALL 5-CONDUCTOR NO 14 AWG ELECTRICAL CABLE
8060	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT-PER ASSIGNMENT
8084	18 EA	FURNISH AND INSTALL 12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION

C. EQUIPMENT TO BE RETURNED TO THE SHA

ALL EQUIPMENT THAT IS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION DETAILS

A. INSTALL 12" 3-SECTION (RA.YA.GA) BLACK FACED TRAFFIC SIGNAL HEAD

B. REMOVE EXISTING SIGNAL HEAD AND REPLACE WITH NEW BLACK FACED TRAFFIC SIGNAL HEAD.

NOTE TO SHOP

SHA SIGNAL SHOP TO REPROGRAM EXISTING EYES TO ALLOW EMERGENCY VEHICLE PRE-EMPTION AS WELL AS THE EXISTING BUS PRE-EMPTION.

UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES

REVISIONS

H	INSTALL OPTICOM FOR EB AND WB SMALLWOOD DR
TIMS# E198	6/01
CJS	
G	REBUILD SIGNAL DUE TO GEOMETRIC CHANGES
1-24-69	
RRZ	

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINALS ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

US 301 @ SMALLWOD DRIVE

DRAWN BY:	F.A.P. NO.	TS NO. 1650-H	SHEET NO.
CHECKED BY: AEM	S.H.A. NO. CH634A54B54	T.I.M.S. NO. N/A	4 OF 5
SCALE: 1:20	COUNTY: CHARLES		
DATE: 5-3-78	LOG MILE: 08030122.25		