US 13B IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNALS & SIGNS

2,3,6-10 | 5 | 11,12 | 14 | 15,16

R, Y, G 12" | YY, Y, GG, G 12" | 12" | LEFT TURN YIELD ON GREEN R10-12 36" x 42" | ONLY R3-5(L) 30" x 36"

PROPOSED SIGNALS & SIGN

1,4 | 2 | a-d | 13

YY, Y, GG, G 12"/8" | R, Y, G 12" | VIDEO DETECTION CAMERA | LEFT TURN YIELD ON GREEN R10-12 36" x 42"

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	10.5 S.F.	1 EACH R10-12 SIGN, 36" x 42", MAST ARM MOUNTED HARDWARE
*	1 EACH	VIDEO INTERFACE PANEL
*	1 EACH	MINI HUB

* - TO BE INSTALLED BY THE SHA SIGNAL SHOP

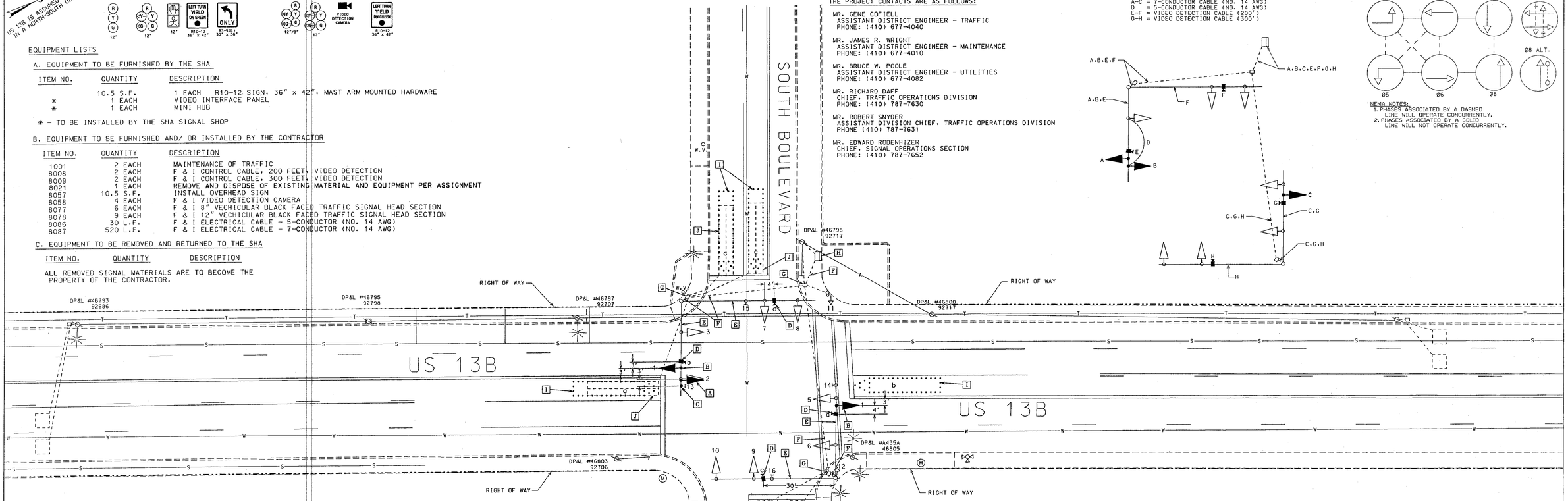
B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	2 EACH	MAINTENANCE OF TRAFFIC
8008	2 EACH	F & I CONTROL CABLE, 200 FEET, VIDEO DETECTION
8009	2 EACH	F & I CONTROL CABLE, 300 FEET, VIDEO DETECTION
8021	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8057	10.5 S.F.	INSTALL OVERHEAD SIGN
8058	4 EACH	F & I VIDEO DETECTION CAMERA
8077	6 EACH	F & I 8" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION
8078	9 EACH	F & I 12" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION
8086	30 L.F.	F & I ELECTRICAL CABLE - 5-CONDUCTOR (NO. 14 AWG)
8087	520 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.



PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. GENE COFIELL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040

MR. JAMES R. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010

MR. BRUCE W. POOLE
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 677-4082

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

WIRING DIAGRAM

A-C = 7-CONDUCTOR CABLE (NO. 14 AWG)
D = 5-CONDUCTOR CABLE (NO. 14 AWG)
E-F = VIDEO DETECTION CABLE (200')
G-H = VIDEO DETECTION CABLE (300')

NEMA PHASING:

NEMA NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11-12
PHASE 1 & 5	◄G-R	◄G-R	R	◄G-R	◄G-R	R	R	R	R	R	DW
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6, OR 2 & 5, OR 2 & 6										
PHASE 1 & 6	R	R	R	◄G-G	◄G-G	G	R	R	R	R	DW
1 CHANGE	R	R	R	◄Y-G	◄Y-G	G	R	R	R	R	DW
PHASE 2 & 5	◄G-G	◄G-G	G	R	R	R	R	R	R	R	DW
5 CHANGE	◄Y-G	◄Y-G	G	R	R	R	R	R	R	R	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	DW
2 & 6 CHANGE	G	G	G	G	G	G	R	R	R	R	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW
8 ALT.	R	R	R	R	R	R	G	G	G	G	WK
PED. CLEAR	R	R	R	R	R	R	G	G	G	G	FL/DW
8 ALT. CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK

CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED SIGNAL HEAD.
REMOVE THE EXISTING SIGNAL HEAD.
B. INSTALL THE PROPOSED SIGNAL HEAD.
C. INSTALL THE PROPOSED SIGN.
D. INSTALL THE PROPOSED VIDEO CAMERA ON THE EXISTING MAST ARM.
E. USE THE EXISTING MAST ARM.
F. USE THE EXISTING CONDUIT.
G. USE THE EXISTING HANDHOLE.
H. USE THE EXISTING CABINET.
I. VIDEO DETECTION AREA.
J. DISCONNECT THE EXISTING LOOP DETECTOR.

NOTES TO THE CONTRACTOR

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF THESE EXISTING CABLES.

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES
D — D	STORM DRAIN

SHA# W1351A51/B51 TOD# AT355-04

REVISIONS	APPROVALS
B. 08/2004 - ADD E/P L.T. TO S/B US 13B: ADDED CAMERAS; SHA NO. AT3555185	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
A. 05-15-1984 - INSTALL MAST ARMS AND SIGNAL HEADS; SHA NO. WI-633-502-185	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

NOTE: ORIGINAL PLAN ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 13B and South Boulevard
SALISBURY, MARYLAND

DRAWN BY: Thomas Zeigler	F.A.P. NO.	T.S. NO. TS-1945 B	SHEET NO.
CHECKED BY: Dennis J. Dida	S.H.A. NO.	T.I.M.S. NO. G397	1 OF 1
SCALE: 1" = 20'	COUNTY: WICOMICO		
DATE: 02/09/1984	LOG MILE 22B01304.53		