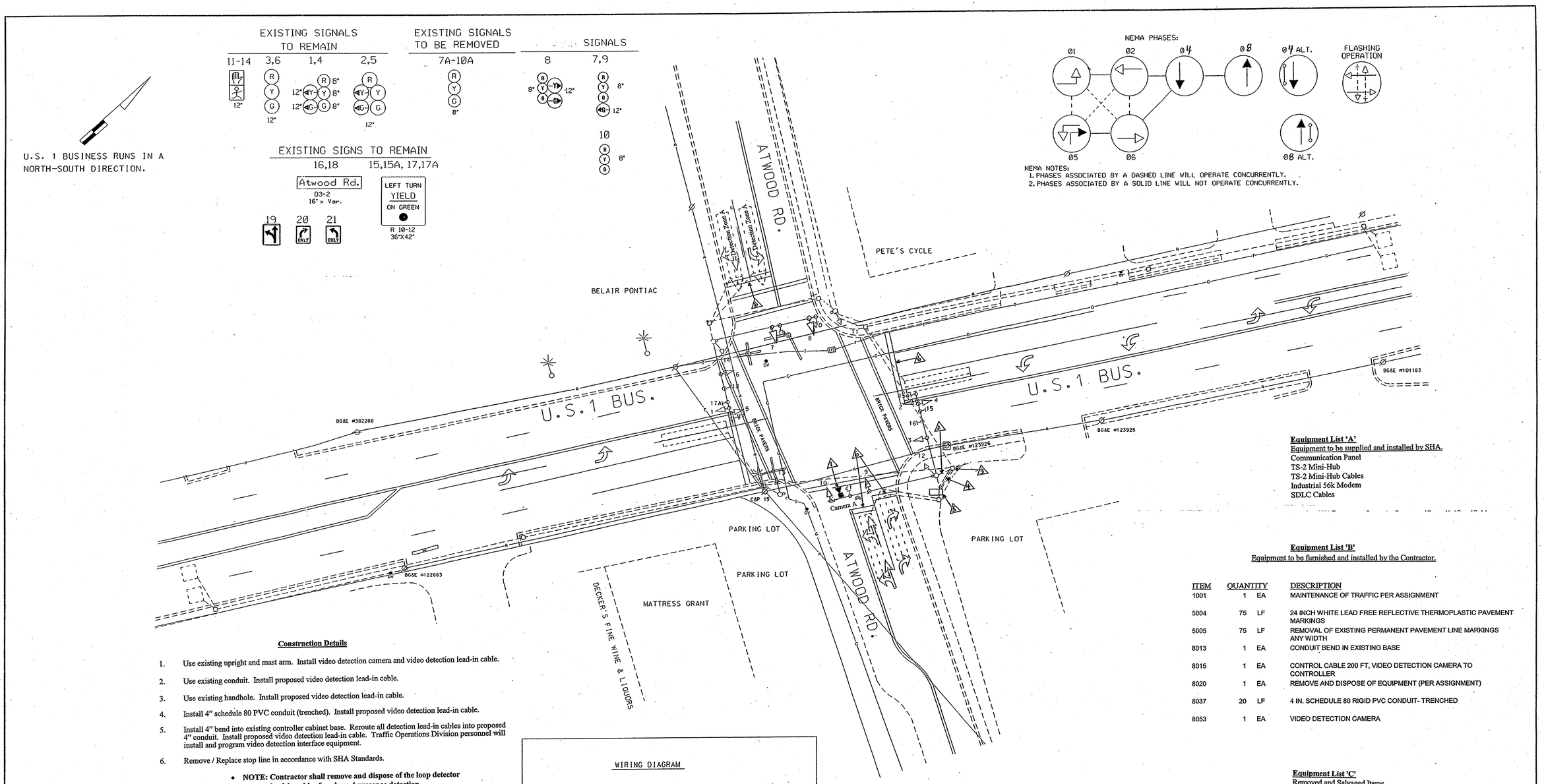
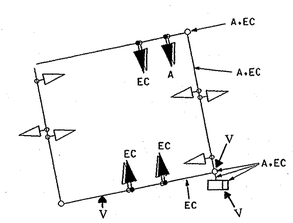


Construction Details

1. Use existing upright and mast arm. Install video detection camera and video detection lead-in cable.
2. Use existing conduit. Install proposed video detection lead-in cable.
3. Use existing handhole. Install proposed video detection lead-in cable.
4. Install 4" schedule 80 PVC conduit (trenched). Install proposed video detection lead-in cable.
5. Install 4" bend into existing controller cabinet base. Reroute all detection lead-in cables into proposed 4" conduit. Install proposed video detection lead-in cable. Traffic Operations Division personnel will install and program video detection interface equipment.
6. Remove / Replace stop line in accordance with SHA Standards.

- **NOTE: Contractor shall remove and dispose of the loop detector lead-in cables for phase 4 presence detection.**

WIRING DIAGRAM



A- 7-Conductor electrical cable (no. 14 awg)
EC- Existing cable
V- Video Detection Cable

Equipment List 'A'
Equipment to be supplied and installed by SHA.
Communication Panel
TS-2 Mini-Hub
TS-2 Mini-Hub Cables
Industrial 56k Modem
SDLC Cables

Equipment List 'B'
Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5004	75	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	75	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8013	1	EA	CONDUIT BEND IN EXISTING BASE
8015	1	EA	CONTROL CABLE 200 FT, VIDEO DETECTION CAMERA TO CONTROLLER
8020	1	EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8037	20	LF	4 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
8053	1	EA	VIDEO DETECTION CAMERA

Equipment List 'C'
Removed and Salvaged Items

NONE

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
■	HANDHOLE	□
▭	LOOP DETECTOR(6X30)	▭
□	LOOP DETECTOR(6X6)	□
------	CONDUIT	------
▪▪▪	MICRO LOOP PROBE SET	▪▪▪
▬◄	ZOOM LENS IMAGE SENSOR	◄▬

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

REVISIONS

A. TIMS: H-394 OT-2005 Install Video Detection 11/05
MC SM
B. 9/02 INSTALL RIGHT TURN OVERLAP AND SIDE STREET SPLIT PHASES FOR ATWOOD ROAD.
EPM/DJA MJA DJA
C. 05/95 - INSTALL E.P. L.T. FOR E.B. & W.B. U.S. 1:
G.S./MJR
A. 05/95 AS BUILT
G.S./MJR

APPROVALS

TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF - TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF - TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

NOTE: THIS SIGNATURE REVISION 854-03-1-48 & DATED 03-578 AN ORIGINAL ON FILE

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

U.S. 1 (BUSINESS) & ATWOOD RD.

TIMS: H-394

DRAWN BY: DAVE ANDREWS	F.A.P. NO.	TS NO. TS-1962	SHEET NO.
CHECKED BY:	S.H.A. NO. H 854-501-485		
SCALE: 1" = 20'	COUNTY: HARFORD	T.I.M.S. NO. F-451	1 OF 1
DATE:	LOG MILE: 12000102.15		