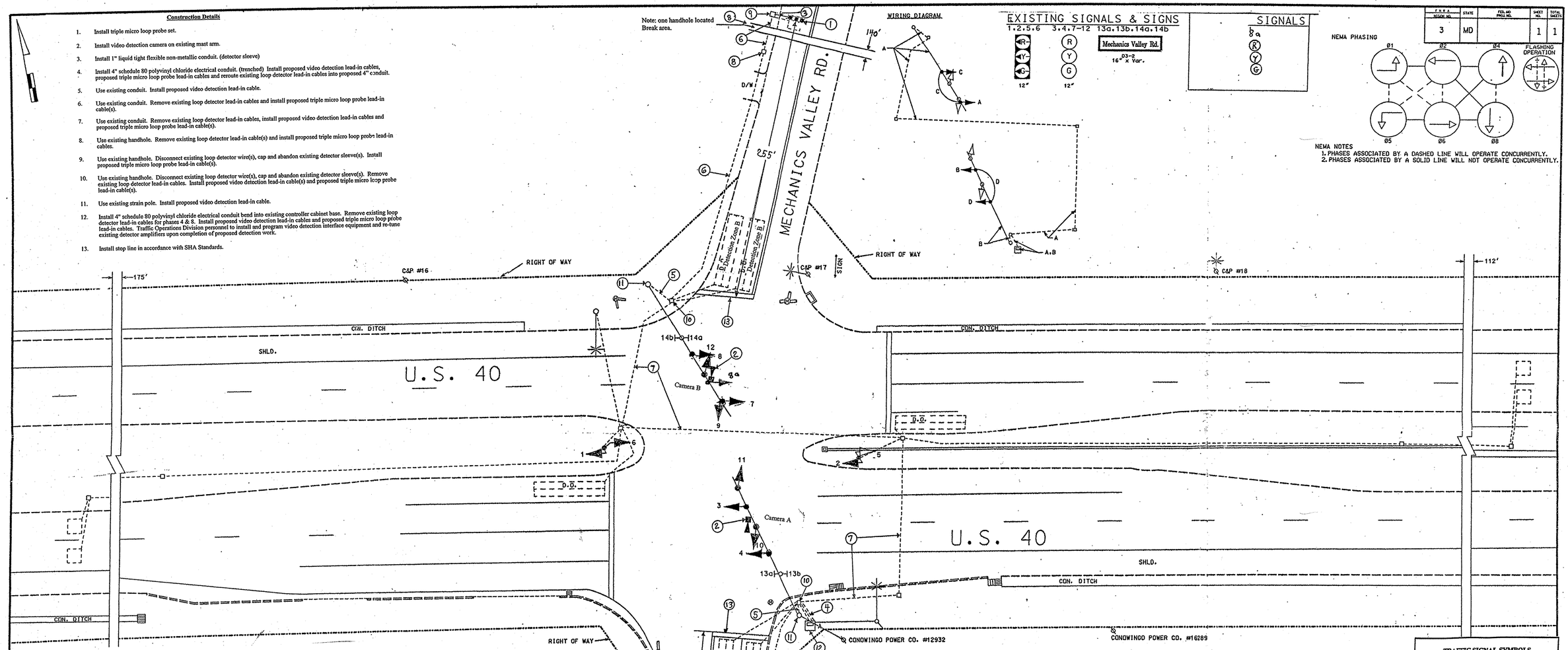
Construction Details

1. Install triple micro loop probe set.
2. Install video detection camera on existing mast arm.
3. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)
4. Install 4" schedule 80 polyvinyl chloride electrical conduit. (trenched) Install proposed video detection lead-in cables, proposed triple micro loop probe lead-in cables and reroute existing loop detector lead-in cables into proposed 4" conduit.
5. Use existing conduit. Install proposed video detection lead-in cable.
6. Use existing conduit. Remove existing loop detector lead-in cables and install proposed triple micro loop probe lead-in cable(s).
7. Use existing conduit. Remove existing loop detector lead-in cables, install proposed video detection lead-in cables and proposed triple micro loop probe lead-in cable(s).
8. Use existing handhole. Remove existing loop detector lead-in cable(s) and install proposed triple micro loop probe lead-in cables.
9. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Install proposed triple micro loop probe lead-in cable(s).
10. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Remove existing loop detector lead-in cables. Install proposed video detection lead-in cable(s) and proposed triple micro loop probe lead-in cable(s).
11. Use existing strain pole. Install proposed video detection lead-in cable.
12. Install 4" schedule 80 polyvinyl chloride electrical conduit bend into existing controller cabinet base. Remove existing loop detector lead-in cables for phases 4 & 8. Install proposed video detection lead-in cables and proposed triple micro loop probe lead-in cables. Traffic Operations Division personnel to install and program video detection interface equipment and re-tune existing detector amplifiers upon completion of proposed detection work.
13. Install stop line in accordance with SHA Standards.



F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		1	1

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5004	50	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	50	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY
8013	1	EA	CONDUIT BEND IN EXISTING BASE
8015	1	EA	CONTROL CABLE 200 FT, VIDEO DETECTION CAMERA TO CONTROLLER
8017	1	EA	CONTROL CABLE 500 FT, VIDEO DETECTION CAMERA TO CONTROLLER
8020	1	EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8025	15	LF	DISCONNECT, PULL-BACK & REROUTE CABLES
8037	12	LF	4 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
8041	18	LF	1 IN. LIQUID TIGHT FLEXABLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8046	2	EA	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
8047	1	EA	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
8053	2	EA	VIDEO DETECTION CAMERA
8070	35	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

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 'C'

Removed and Salvaged Items

NONE

UTILITY LEGEND

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

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
	HANDHOLE	
	LOOP DETECTOR(6X30)	
	LOOP DETECTOR(6X6)	
	CONDUIT	
	MICRO LOOP PROBE SET	
	ZOOM LENS IMAGE SENSOR	

REVISIONS

Replace damaged side rd. loops with video detection SHA No.: OT-2005 10/05	
INSTALL 3rd signal HEAD WESTBOUND US40 7-31-02	

REVISIONS

2-8-88 - RECUT LOOPS DUE TO PAVING SHA NO. CE 693-501-277	
7-21-86 - CHANGES PHASING TO EXCL. L.T. FOR U.S. 40 SHA NO. 855 26000-106	
12-11-85 - INSTALL LEFT TURN LOOP DETECT.; REPAIR DAMAGED LOOPS; SHA NO. 855 25004	
04/97 - AS BUILT; INSTALL NEW SIGNALS WITH RED-STROBE INDICATIONS FOR W/B & E/B US40 SHA NO.	

APPROVALS

ASST. DIVISION CHIEF, TEDD

ORIGINAL ON FILE

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 40 AND MECHANICS VALLEY RD.

SIGNAL NO. 07004009.24 DATE 1-19-83

DRAWN BY: THOMAS ZAYDEL	F.A.P. NO.	PLAN SHEET NO.:	SHEET NO.
DES. BY: THOMAS ZAYDEL	S.H.A. NO. CE 663-501-285	TS-1895.	1 OF 1
CHECK BY: DENNIS J. DODA	COUNTY CECIL		
SCALE: 1" = 20'			

Z:\DVZ\MUNDEC.dgn MAY. 12, 1997 08:51:37