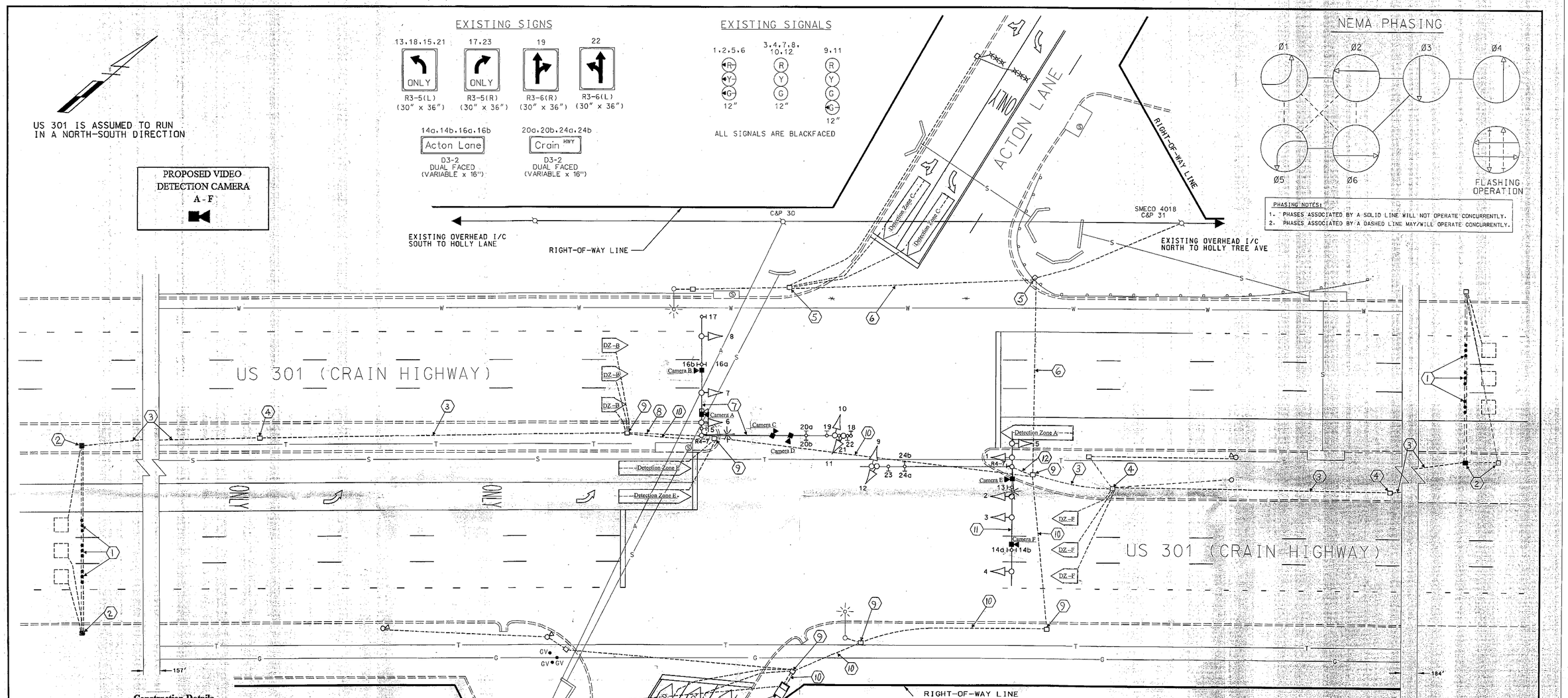

Construction Details

1. Install 3 inch pvc conduit (slotted) and non-invasive probe sets.
2. Remove existing handhole. Install proposed handhole (perpendicular to roadway) and non-invasive probe lead-in cables.
3. Use existing conduit. Remove loop detector lead-in cables. Install proposed non-invasive probe lead-in cables.
4. Use existing handhole. Remove loop detector lead-in cables. Install proposed non-invasive probe lead-in cables.
5. Use existing handhole. Remove loop detector lead-in cables.
6. Use existing conduit. Remove loop detector lead-in cables.
7. Use existing mast arm and upright. Remove detection camera and lead-in cable. Install proposed detection cameras and lead-in cables.
8. Use existing conduit. Remove detection camera lead-in cable. Install proposed detection camera lead-in cables.
9. Use existing handhole. Remove loop detector and detection camera lead-in cables. Install proposed detection camera and non-invasive probe lead-in cables.
10. Use existing conduit. Remove loop detector and detection camera lead-in cables. Install proposed detection camera and non-invasive probe lead-in cables.
11. Use existing mast arm and upright. Install proposed detection cameras and lead-in cables.
12. Use existing conduit. Install detection camera lead-in cables.
13. Use existing controller cabinet. Remove detection lead-in cables for phases 1-6 and samples. Install proposed detection camera and non-invasive probe lead-in cables. Traffic Operations Division personnel will install and program video interface equipment and re-tune amplifiers upon completion of proposed work.

Equipment List 'A'

Equipment to be supplied SHA and installed By the Contractor

- Easylock Connector
- Terra Interface Panel
- Terra Access Point
- Tip to Tap I/F Cable-BIU
- Tip to Tap I/F Cable-Hardwire
- Terra Field Ethernet Adapter

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1002	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8007	1	EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT
8008	6	EA	VIDEO DETECTION CAMERA & CABLE
8014	150	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH SLOTTED
8017	6	EA	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8018	3	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

Equipment List 'C'

Removed and Salvaged Items

NONE

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
■	HANDHOLE	□
	LOOP DETECTOR(6X30)	
□	LOOP DETECTOR(6X6)	□
	CONDUIT	
■■■	MICRO LOOP PROBE SET	▯▯▯▯

REVISIONS

(H) February 2012
Upgrade to Video Detection
XX8465165 TIMS: L 390
(G) Upgrade Redlight Camera
8-21-04 Tims: G 866
(F) 11/28/01
ASBUILT FOR RED-LIGHT CAMERA INSTALLATION
SHA NO.:
RRZ
(E) 9-3-99
ADD LOOP DETECTOR & SIGN
S.H.A. NO. BW996M82
FJH
(D) 7-4-98
REPLACE DETECTION ON E.B. ACTON LA. DUE TO WIDENING
TMZ

APPROVALS

ORIGINAL ON FILE

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

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

US 301 (CRAIN HWY) AND ACTON LANE

DRAWN BY:	V.Y.	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	T.A.R.	S.H.A. NO.	BW-623-801-512	1825 H	
SCALE:	1" = 20'	COUNTY:	CHARLES	T.I.M.S. NO.	1 OF 1
DATE:	JAN 1982	LOG MILE:	08030124.46	L 390	

c:\wn32app\ustation\4081.dgn Dec. 11, 2001 13:46:12