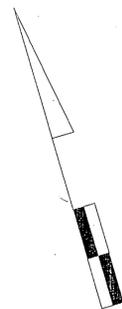


DRILL HOLES

BORDER REV: DATE: June 1, 2004



EXISTING SIGNS



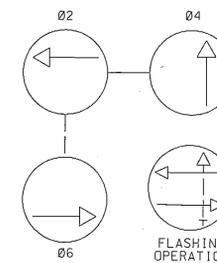
EXISTING SIGNALS



PROPOSED VIDEO DETECTION



NEMA PHASING

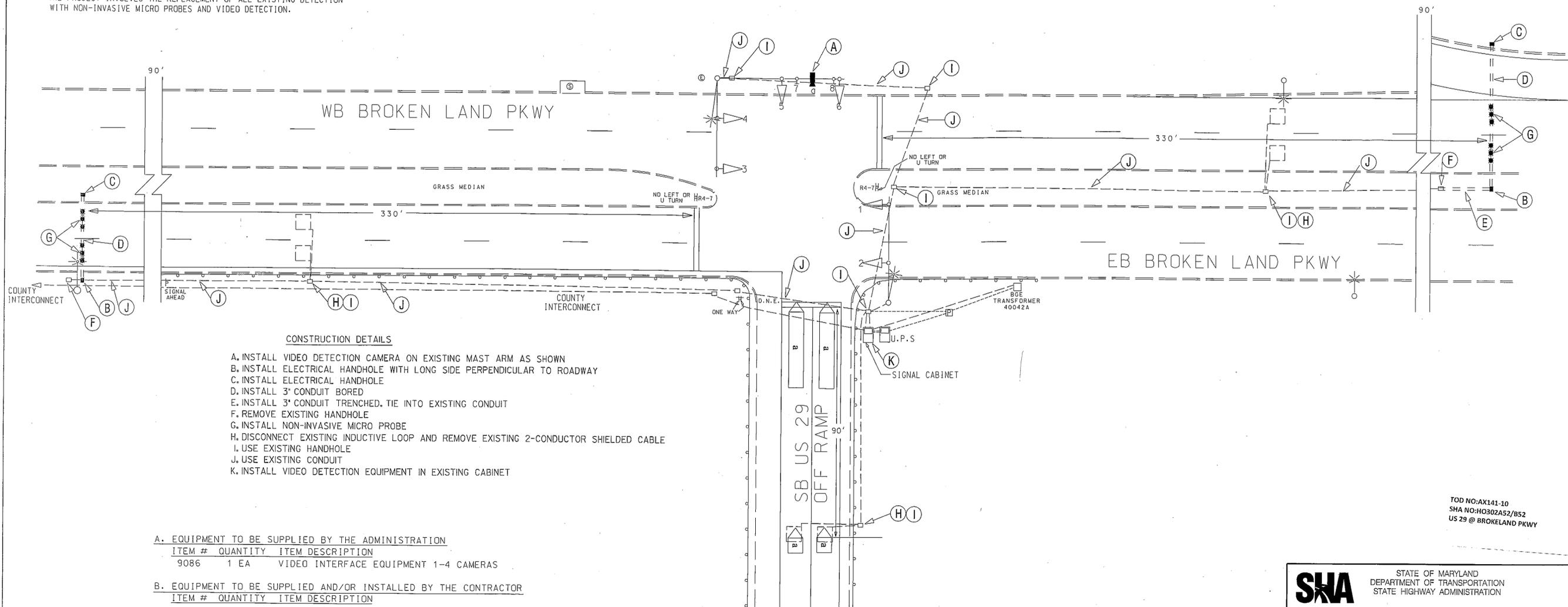


PHASING NOTES:  
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

NOTE: BROKENLAND PARKWAY IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION

PROJECT DESCRIPTION

THE PROJECT INVOLVES THE REPLACEMENT OF ALL EXISTING DETECTION WITH NON-INVASIVE MICRO PROBES AND VIDEO DETECTION.



CONSTRUCTION DETAILS

- A. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM AS SHOWN
- B. INSTALL ELECTRICAL HANDHOLE WITH LONG SIDE PERPENDICULAR TO ROADWAY
- C. INSTALL ELECTRICAL HANDHOLE
- D. INSTALL 3" CONDUIT BORED
- E. INSTALL 3" CONDUIT TRENCHED, TIE INTO EXISTING CONDUIT
- F. REMOVE EXISTING HANDHOLE
- G. INSTALL NON-INVASIVE MICRO PROBE
- H. DISCONNECT EXISTING INDUCTIVE LOOP AND REMOVE EXISTING 2-CONDUCTOR SHIELDED CABLE
- I. USE EXISTING HANDHOLE
- J. USE EXISTING CONDUIT
- K. INSTALL VIDEO DETECTION EQUIPMENT IN EXISTING CABINET

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9086	1 EA	VIDEO INTERFACE EQUIPMENT 1-4 CAMERAS

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

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT-PER ASSIGNMENT
8007	1 EA	VIDEO DETECTION CAMERA AND CABLE
8010	100 LF	SCH 80 RIGID PVC CONDUIT UP TO 4"-BORED
8012	20 LF	SCH 80 RIGID PVC CONDUIT UP TO 4"-TRENCHED
8017	4 EA	NON-INVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8018	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

C. EQUIPMENT TO BE RETURNED TO THE SHA

NONE. ALL EQUIPMENT REMOVED IN ACCORDANCE WITH THESE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

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

TOD NO: AX141-10  
SHA NO: HQ302A52/B52  
US 29 @ BROKELAND PKWY

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

BROKEN LAND PARKWAY AND US 29 OFF RAMP

COLUMBIA, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 12/28/06 CONTRACT NO. \_\_\_\_\_

APPROVALS	REVISIONS	DESIGNED BY	COUNTY
TEAM LEADER		J ALLEN	HOWARD
ASST. DIV. CHIEF	1. REPLACE EXISTING DETECTION FOR SB OFF RAMP DUE TO RESURFACING 4/18/07	R CICHINI	LOGMILE 13CBRO 00.95
DIVISION CHIEF	2. INSTALL L.E.D. SIGNAL HEADS AND BATTERY BACKUP DEVICES	CJS	TMS NO. J554
OFFICE DIRECTOR		JWA	TOD NO. _____
			F.A.P. NO. _____
			TS NO. _____
			DRAWING NO. 1 OF 1
			SHEET NO. OF _____

PLOTTED: MONDAY, FEBRUARY 23, 2009 AT 12:22:49 PM  
FILE: BROKEN LAND PARKWAY @ US 29 OFF RAMP SP WORKING.DGN

DRILL HOLES