

**PROJECT DESCRIPTION**

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 40 AND JOPPA ROAD IN HARFORD COUNTY. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

**INTERSECTION OPERATION**

AN EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET EXISTS AT THIS INTERSECTION. THE CONTROLLER OPERATES AS A SIX-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR EASTBOUND AND WESTBOUND US 40. INSTALL VIDEO INTERFACE EQUIPMENT INTO THE EXISTING CABINET.

**PHASING CHART**

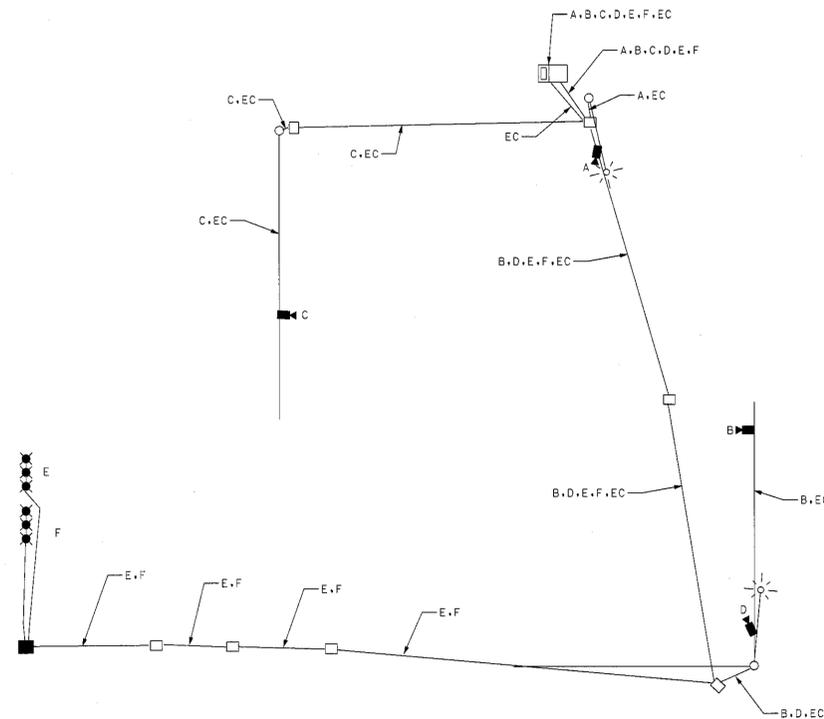
PHASING WILL NOT CHANGE

**EQUIPMENT LIST "B"**

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

CATAGORY CODE NO.	QUANTITY	DESCRIPTION
120500	LS	MAINTENANCE OF TRAFFIC
585624	150 LF	FURNISH AND INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
585620	420 LF	FURNISH AND INSTALL 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
816005	4 EA	FURNISH AND INSTALL 250 FOOT VIDEO CABLE TO CONTROLLER
802145	2 EA	ADJUST EXISTING HANDHOLE TO FINAL GRADE W/COLLAR
810555	2 EA	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 1000 FOOT LEAD-IN
816001	4 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
816015	1 EA	FURNISH AND INSTALL VIDEO INTERFACE EQUIPMENT
870161	110 LF	FURNISH AND INSTALL 2 INCH DIAMETER PVC ELECTRICAL CONDUIT, SCHEDULE 80, PUSHED AND BORED
805160	15 LF	FURNISH AND INSTALL 1 INCH LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
811001	1 EA	FURNISH AND INSTALL HANDHOLE
862102	40 LF	FURNISH AND INSTALL SAW CUT FOR LOOP DETECTOR
870160	70 LF	FURNISH AND INSTALL 2 INCH DIAMETER PVC ELECTRICAL CONDUIT, SCHEDULE 80, TRENCHED

**WIRING DIAGRAM**



**WIRING KEY**

- A-D VIDEO DETECTION 250 FT. PREMANUFACTURED CABLE
- E-F MICRO-LOOP PROBE
- ML MICRO-LOOP PROBE
- EC EXISTING CABLE

**EQUIPMENT LIST "A"**

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

**CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:**

- |  |   |
|--|---|
| MR. RANDALL SCOTT<br>ASSISTANT DISTRICT ENGINEER - TRAFFIC<br>(410) 321-2781           | MR. STEVE MARCISZEWSKI<br>ASSISTANT DISTRICT ENGINEER - MAINTENANCE<br>(410) 321-2761 |
| MS. SUENETTE POPE<br>ASSISTANT DISTRICT ENGINEER - UTILITIES<br>(410) 321-2841         |   |
| <b>CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY</b>                                       |   |
| MR. RICHARD DAFF, SR.<br>CHIEF, TRAFFIC OPERATIONS<br>(410) 787-7630                   | MR. EUGENE BAILEY<br>TEAM LEADER SIGN OPERATIONS<br>(410) 787-7676                    |
| MR. ROBERT SNYDER<br>ASSISTANT DIVISION CHIEF,<br>TRAFFIC OPERATIONS<br>(410) 787-7631 | MR. MIKE STOCKER<br>SUPPLY OFFICE<br>SIGNAL SHOP WAREHOUSE<br>(410) 787-7668          |
| MR. ED RODENHIZER<br>TEAM LEADER SIGNAL OPERATIONS<br>(410) 787-7652                   |   |

**EQUIPMENT LIST "C"**

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

ADDENDUM NO 1  
12/30/02

**TRAFFIC CONCEPTS, INC.**

325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
GENERAL INFORMATION  
US 40 AT JOPPA ROAD

DRAWN BY: M.HOWELL	F.A.P. NO.	TS NO.	
CHECKED BY: J.ZAYDEL	S.H.A. NO.	3727C G1	SHEET NO.
SCALE: 1" = 20'	COUNTY: HARFORD	T.I.M.S. NO.	
DATE: 8-16-02	LOG MILE:	E-556	40 OF 50