

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 1 AND MD 147 IN HARFORD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

CONTROLLER OPERATION

THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. THE INTERSECTION OPERATION WILL NOT CHANGE.



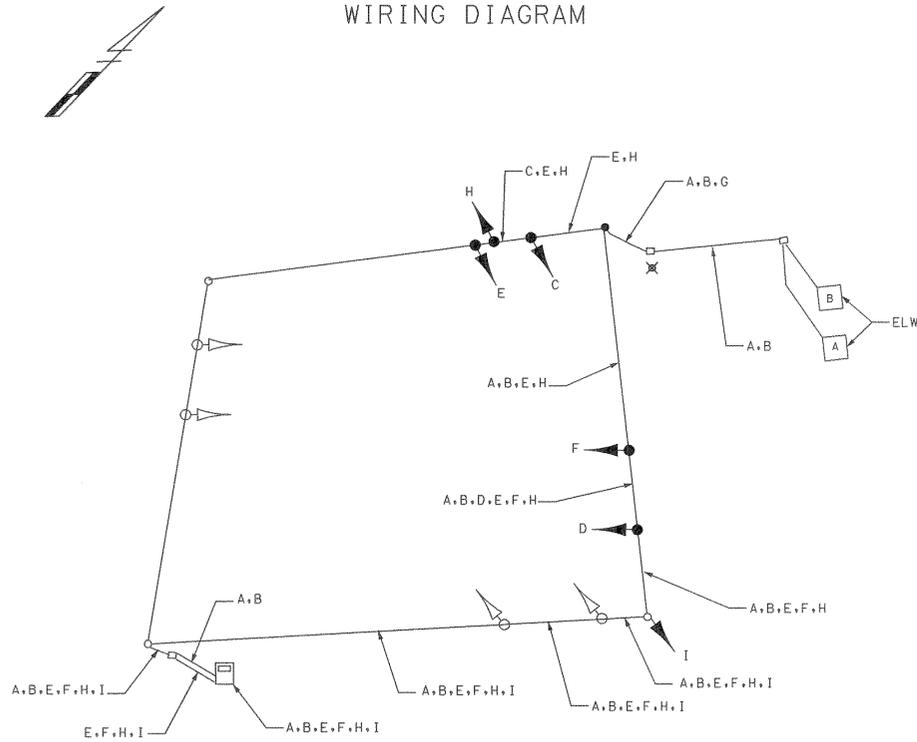
NO PHASING CHANGE

EQUIPMENT LIST "B" CONTINUED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|----------|---|
| 1001 | 1 EA | MAINTENANCE OF TRAFFIC |
| 2001 | 1 CY | TEST PIT EXCAVATION |
| 8001 | 3 CY | FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION |
| 8004 | 1 EA | FURNISH AND INSTALL 12 IN. X 30 FT. STRAIN POLE |
| 8009 | 240 LF | FURNISH AND INSTALL STEEL SPAN WIRE 3/8 IN. DIAMETER |
| 8010 | 240 LF | FURNISH AND INSTALL STEEL SPAN WIRE 1/4 IN. DIAMETER |
| 8027 | 60 LF | FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT-TRENCHED |
| 8034 | 1 EA | FURNISH AND INSTALL GROUND ROD - 3/4" X 10' |
| 8041 | 1760 LF | FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHEILDED) |
| 8044 | 50 LF | FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.) |
| 8045 | 1110 LF | FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.) |
| 8048 | 60 LF | FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE |
| * 8060 | 1 EA | REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT |
| 8084 | 15 EA | FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION |
| 8085 | 6 EA | FURNISH AND INSTALL 8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION |
| --- | 1 EA | FURNISH AND INSTALL R3-5L SIGN (30" X 36") SPAN WIRE MOUNT |
| --- | 2 EA | FURNISH AND INSTALL R3-6L SIGN (30" X 36") SPAN WIRE MOUNT |

WIRING DIAGRAM



WIRING KEY

- A-B 2-CONDUCTOR ELECTRICAL CABLE ALUMINUM SHIEDED (NO. 14 A.W.G.)
- C-D 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- E-F 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- G GROUND WIRE
- H-I 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- ELW EXISTING LOOP WIRE (NO. 14 A.W.G.)
- ⊗ GROUND ROD

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA AND INSTALLED BY CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|----------|-------------|
| NONE | | |

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

- | | |
|--|---|
| MR. DAVID MALKOWSKI DISTRICT ENGINEER (410) 321-2810 | MR. JOSEPH MCMAHON ASSISTANT DISTRICT ENGINEER - UTILITIES (410) 321-2841 |
| MR. RANDALL SCOTT ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 321-2781 | MR. DAVE RAMSEY ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 321-2761 |

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

- | | |
|--|--|
| MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630 | MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676 |
| MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631 | MR. DAVID SCHWARTZ SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE) (410) 787-7668 |
| MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS (410) 787-7652 | |

* NOTE: ALL REMOVED SIGNAL EQUIPMENT AND MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. *[Signature]*

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 SHEET
US 1 AND MD 147

| | | | |
|-----------------------|--------------------------|--------------------|-----------|
| DRAWN BY: T. ZAYDEL | F.A.P. NO. H-882-501-476 | TS NO. 610C GI | SHEET NO. |
| CHECKED BY: K. SCHMID | S.H.A. NO. HARFORD | T.I.M.S. NO. E 831 | 3 OF 3 |
| SCALE: NONE | COUNTY: HARFORD | LOG MILE: | |
| DATE: 6-21-01 | | | |