

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION TO THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 301 AND MD 225 IN CHARLES COUNTY. THE WORK CONSISTS OF THE ADDITION OF A THIRD SIGNAL HEAD FOR NORTHBOUND & SOUTHBOUND US 301 AND REPLACING ALL EXISTING SIGNAL HEADS WITH BLACK FACE SIGNAL HEADS. US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR US 301 AND EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR MD 225. THE INTERSECTION OPERATION WILL NOT CHANGE.

CONTROLLER REQUIREMENTS

THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED.

EQUIPMENT LIST "A"

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

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

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|----------|--|
| 1001 | 1 EA | MAINTENANCE OF TRAFFIC |
| 8011 | 49 EA | FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION |
| 8048 | 1 EA | REMOVE AND DISPOSE MATERIAL AND EQUIPMENT |
| 8084 | 70 LF | FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.) |

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

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

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

| | |
|---|---|
| MS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 841-1003 | MR. CHARLES GEORGE ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1002 |
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MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 841-1005

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

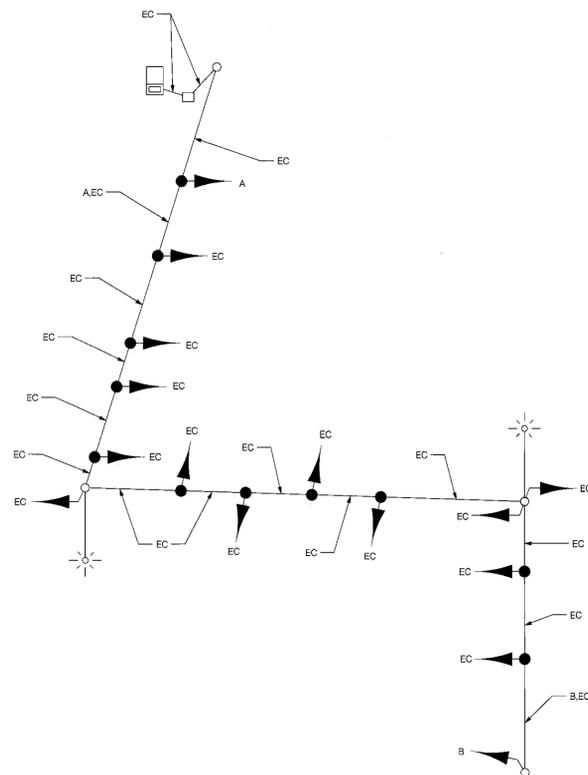
MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

PHASE CHART

PHASING WILL NOT CHANGE

WIRING DIAGRAM



WIRING KEY

A-B 5-CONDUCTOR ELECTRICAL CABLE
(NO. 14 A.W.G.)
EC EXISTING CABLE

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

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MD #: CH107154/004 TOP #: VV10024-34

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
US 301 AND MD 225 (HAWTHORNE DR)

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|-----------------------|-----------------------|-------------------|---------------------|
| DRAWN BY: T. ZAYDEL | F.A.P. NO. XX1065485 | TS NO. 338F GI | SHEET NO. 2 OF 2 |
| CHECKED BY: K. SCHMID | S.H.A. NO. CHARLES | T.I.M.S. NO. G406 | |
| SCALE: NONE | COUNTY: CHARLES | | |
| DATE: 6-9-04 | LOG MILE: 08030116.74 | | |