



**PROJECT DESCRIPTION**  
 THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 1 AND CHERRY LANE IN PRINCE GEORGE'S COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**  
 THE INTERSECTION CURRENTLY OPERATES IN A SIX PHASE FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR N.B. AND S.B. US 1 AND SIDE STREET SPLIT PHASING. AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE NORTH LEG OF US 1 AND A CONCURRENT PEDESTRIAN PHASE EXISTS ACROSS THE WEST LEG OF CHERRY LANE. AN EXISTING PRE-EMPTION PHASE EXISTS FOR E.B. CHERRY LANE.

**PROJECT CONSTRUCTION**  
 WORK WILL INCLUDE INSTALLING N.B. AND S.B. US 1 AND W.B. CHERRY LANE PRE-EMPTION.

**EQUIPMENT LIST "B"**

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   |
|----------|----------|---|
| 8059     | 1 EA     | FURNISH AND INSTALL DISCRIMINATOR MODULE, 4 CHANNEL, NO. 76 |
| 8061     | 3 EA     | FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE            |
| 8079     | 500 LF   | FURNISH AND INSTALL 4-CONDUCTOR OPTICOM CABLE               |

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

|              |        |
|--------------|--------|
| AERIAL CABLE | — A —  |
| ELECTRICAL   | — E —  |
| TELEPHONE    | — T —  |
| GAS          | — G —  |
| SEWER        | — S —  |
| WATER        | — W —  |
| CABLE TV     | — TV — |

**TRAFFIC CONCEPTS, INC.**  
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 FAX (410) 923-6473    EMAIL: TRACONCEPT@AOL.COM

**REVISIONS**

| NO. | DESCRIPTION   | DATE |
|-----|---|------|
| 1   | RED-LINE REVISION 3-14-05 REVISED PRE-EMPTION PHASING |      |

**APPROVALS**

|   |  |
|---|--|
| TEAM LEADER TRAFFIC ENGINEERING DIVISION        |  |
| ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |  |
| CHIEF TRAFFIC ENGINEERING DESIGN DIVISION       |  |
| DIRECTOR OFFICE OF TRAFFIC & SAFETY             |  |

INSTALL OPTICOM PRE-EMPTION  
 11-15-04    SHA NO. AT690985  
 TMZ

**CONSTRUCTION DETAILS**  
 A. INSTALL OPTICOM DETECTOR EYE ON EXISTING STRAIN POLE AS SHOWN  
 B. INSTALL DISCRIMINATOR MODULE IN EXISTING BASE MOUNTED CABINET

**GENERAL NOTES**

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- INSTALL 4-CONDUCTOR OPTICOM CABLE FROM THE PROPOSED OPTICOM DETECTOR EYES, ALONG THE SPAN WIRE, DOWN THE POLE, THROUGH THE EXISTING CONDUIT TO THE BASE MOUNTED CABINET.
- THE QUANTITIES SHOWN ON THIS SHEET ARE FOR THIS INTERSECTION ONLY. QUANTITIES FOR THE ENTIRE PROJECT ARE SUMMARIZED ON THE GENERAL INFORMATION SHEET.

**SHA** MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
 Office of Traffic & Safety  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 TRAFFIC SIGNAL PLAN  
 US 1 AND CHERRY LANE

|                         |                           |                    |                   |
|-------------------------|---------------------------|--------------------|-------------------|
| DRAWN BY: B. TYSON      | F.A.P. NO.: N/A           | TS NO.: 1236 G     | SHEET NO.: 5 OF 8 |
| CHECKED BY: W. GLUCKERT | S.H.A. NO.: P 686-501-385 | T.I.M.S. NO.: G491 |                   |
| SCALE: 1" = 20'         | COUNTY: PRINCE GEORGES    |                    |                   |
| DATE: 8-23-78           | LOG MILE: 160001285       |                    |                   |