DRILL HOLES

BORDER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of opticom detection at 5 locations. The locations are:

MD 2 (GOV. RITCHIE HWY) AND HAMMONDS LANE
MD 177 (MOUNTAIN RD) AND EDWIN RAYNOR BLVD
BUS. MD 3 AND GREEN BRANCH LA
BUS. MD 3 AND CRAINMONT DR
BUS. MD 3 AND MAYO RD / HOSPITAL DR

These intersections are located in Glen Burnie, Anne Arundel County.

II. INTERSECTION OPERATION

MD 2 (GOV. RITCHIE HWY) AND HAMMONDS LANE

1. A new pre emption phase shall be provided for the southbound approach of MD 2 (Gov Ritchie Hwy).

MD 177 (MOUNTAIN RD) AND EDWIN RAYNOR BLVD

1. A new pre emption phase shall be provided for the westbound approach of MD 177 (Mountain Rd).

BUS. MD 3 AND GREEN BRANCH LA

1. A new pre emption phase shall be provided for the southbound approach of Bus MD 3.

BUS. MD 3 AND CRAINMONT DR

1. A new pre emption phase shall be provided for the southbound approach of Bus MD 3.

BUS. MD 3 AND MAYO RD / HOSPITAL DR

1. A new pre emption phase shall be provided for the northbound approach of Bus MD 3.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
3. 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 the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
4. The contractor shall deliver 3 Emitters to Mr. Allen Williams - Division Chief for Anne Arundel County Fire Department (Phone: 410-222-8304), 8501 Veterans Highway, Millerville,MD 21108.

The contact persons for District #5 are as follows:

Ms. Kim Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1003

Mr. Charles George
Assistant District Engineer - Maintenance
Phone: (410) 841-1002

Mr. John Mays
Assistant District Engineer - Utility
Phone: (410) 841-1005

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

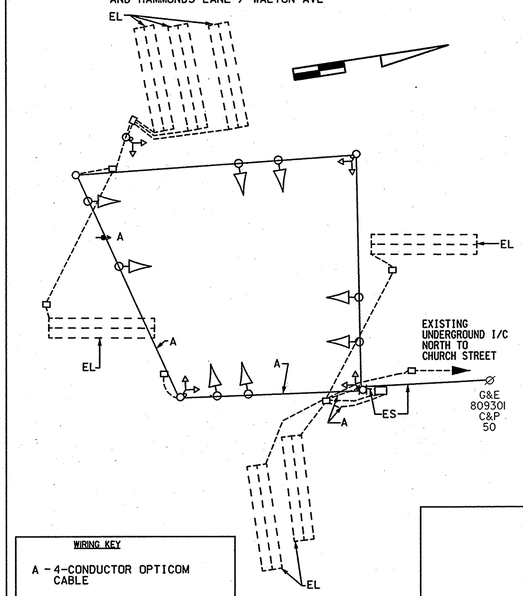
ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
8005	Discriminator module, 4 channel #764. (opticom)	5 EA
8006	Opticom emitter system 700 series.	3 EA
8021	4 conductor opticom cable.	1515 L.F.
8048	Opticom #721 detector eye.	6 EA

C. EQUIPMENT TO BE REMOVED

There are no signal materails to be removed.

WIRING DIAGRAM

MD 2 (GOV. RITCHIE HWY) AND HAMMONDS LANE / WALTON AVE



WIRING KEY

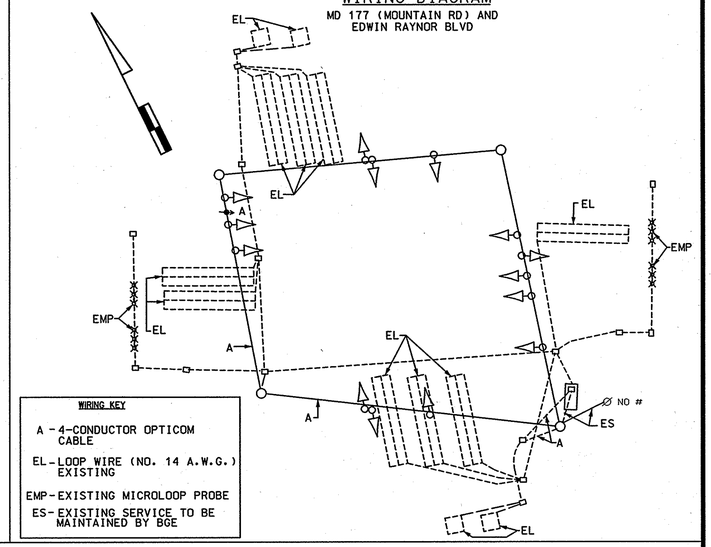
A - 4-CONDUCTOR OPTICOM CABLE

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

ES - EXISTING SERVICE TO BE MAINTAINED BY BGE

WIRING DIAGRAM

MD 177 (MOUNTAIN RD) AND EDWIN RAYNOR BLVD



WIRING KEY

A - 4-CONDUCTOR OPTICOM CABLE

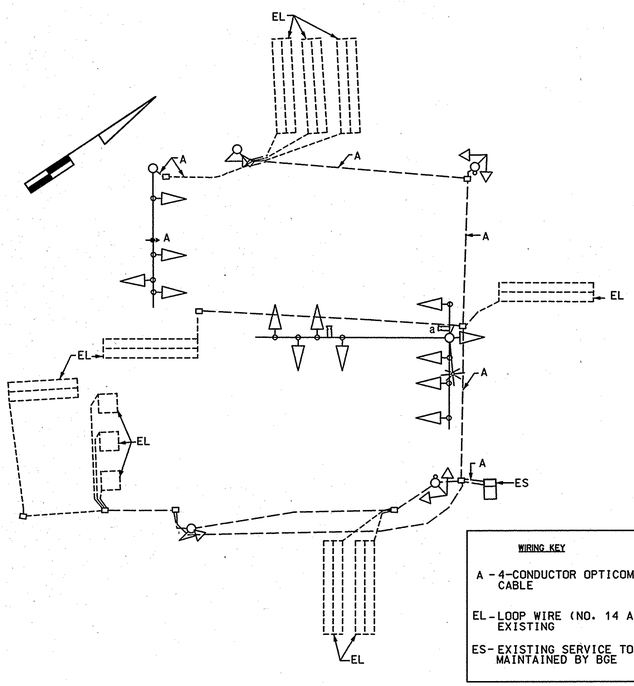
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

EMP - EXISTING MICROLOOP PROBE

ES - EXISTING SERVICE TO BE MAINTAINED BY BGE

WIRING DIAGRAM

BUS. MD 3 AND GREEN BRANCH LA



WIRING KEY

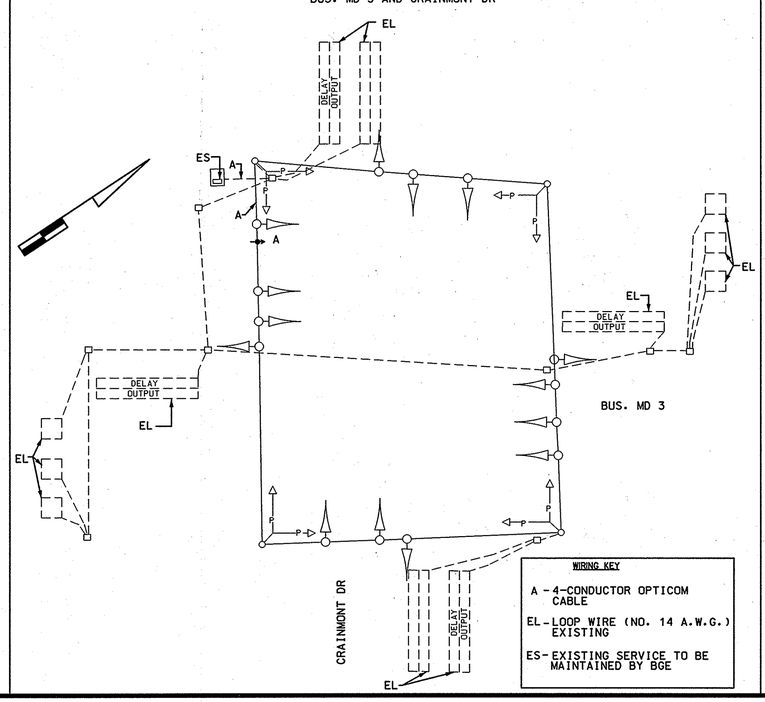
A - 4-CONDUCTOR OPTICOM CABLE

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

ES - EXISTING SERVICE TO BE MAINTAINED BY BGE

WIRING DIAGRAM

BUS. MD 3 AND CRAINMONT DR



WIRING KEY

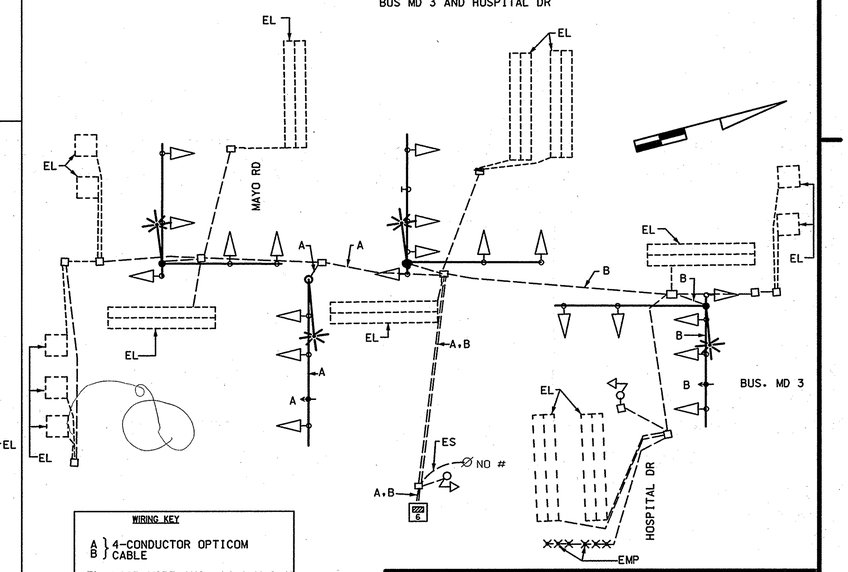
A - 4-CONDUCTOR OPTICOM CABLE

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

ES - EXISTING SERVICE TO BE MAINTAINED BY BGE

WIRING DIAGRAM

BUS. MD 3 AND MAYO RD
BUS MD 3 AND HOSPITAL DR



WIRING KEY

A } 4-CONDUCTOR OPTICOM
B } CABLE

EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING

EMP - EXISTING MICROLOOP PROBE

ES - EXISTING SERVICE TO BE MAINTAINED BY BGE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OPTICOM INSTALLATION

MD 2 (GOV. RITCHIE HWY) AND HAMMONDS LANE
MD 177 (MOUNTAIN RD) AND EDWIN RAYNOR BLVD
BUS. MD 3 AND GREEN BRANCH LA
BUS. MD 3 AND CRAINMONT DR
BUS. MD 3 AND MAYO RD / HOSPITAL DR

GENERAL INFORMATION SHEET

SCALE NONE DATE 5/10/2007 CONTRACT NO. AT9365185

DESIGNED BY JWA
DRAWN BY RC
CHECKED BY
F.A.P. NO.
COUNTY ANNE ARUNDEL
LOGMILE
TIMS NO. 1241
TOD NO.

TS NO. | DRAWING NO. 7 OF 7 | SHEET NO. OF

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

5313GI.DGN T-89

PLOTTED: $DATETIME$
FILE: $FILE$

DRILL HOLES

DRILL HOLES

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