

PROJECT DESCRIPTION

I. GENERAL:

THIS PORTION OF THE PROJECT INVOLVES THE REPLACEMENT OF EXISTING SIGNAL HEADS WITH LED SIGNAL HEADS, NB E/P PHASE FOR MD 147 AND ALSO NEAR-SIDE SIGNAL HEADS FOR THIS APPROACH WITH VIDEO DETECTION AT THE INTERSECTION OF MD 147 (HARFORD ROAD) AND NORTH WIND ROAD, IN BALTIMORE COUNTY, MD 147 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL TRAFFIC ACTUATED MODE. MD 147 APPROACHES OPERATE CONCURRENTLY WITH AN EXCLUSIVE/ PERMISSIVE LEFT TURN FOR BOTH DIRECTIONS OF MD 147. THE NORTH WIND ROAD APPROACHES SHALL ALSO OPERATE CONCURRENTLY.

III. SPECIAL NOTES:

1. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER, OOTS/SIGNAL SHOP SEVENTY-TWO HOURS PRIOR TO ANY CONSTRUCTION.
2. THE CONTRACTOR SHALL SUPPLY ALL EQUIPMENT AND HARDWARE REQUIRED FOR THE SIGNAL WORK AS SPECIFIED ON THE DESIGN PLANS.

The contact persons for District #4 are as follows:

Mr. Randall Scott
Assistant District Engineer - Traffic
Phone: (410) 321-2781

Mr. Steve Marciszewski
Assistant District Engineer - Maintenance
Phone: (410) 321-2761

Mr. Michael Pasqualiello
Assistant District Engineer - Utility
Phone: (410) 321-2841

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

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

Mr. Sonny Bailey
Sign Shop
410-787-7670

The power company representative is:

Mr. Steve Schneider
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, MD 21076
410-859-9310

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

CAT NO. DESCRIPTION QUANTITY

THERE IS NO EQUIPMENT TO BE SUPPLIED BY SHA

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

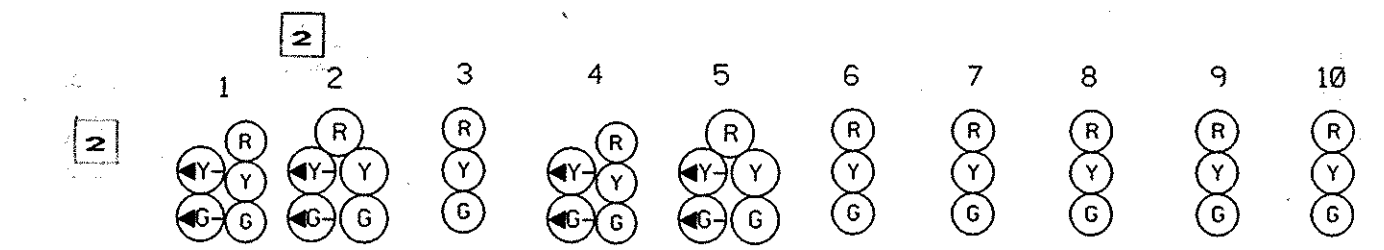
CAT NO. DESCRIPTION QUANTITY

816001	VIDEO DETECTION CAMERA	1	EA
816005	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	1	EA
800000	8 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	6	EA
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	34	EA
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	60	LF
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	300	LF
873001	REMOVE AND SALVAGE EXISTING EQUIPMENT	1	EA

C. EQUIPMENT TO BE REMOVED

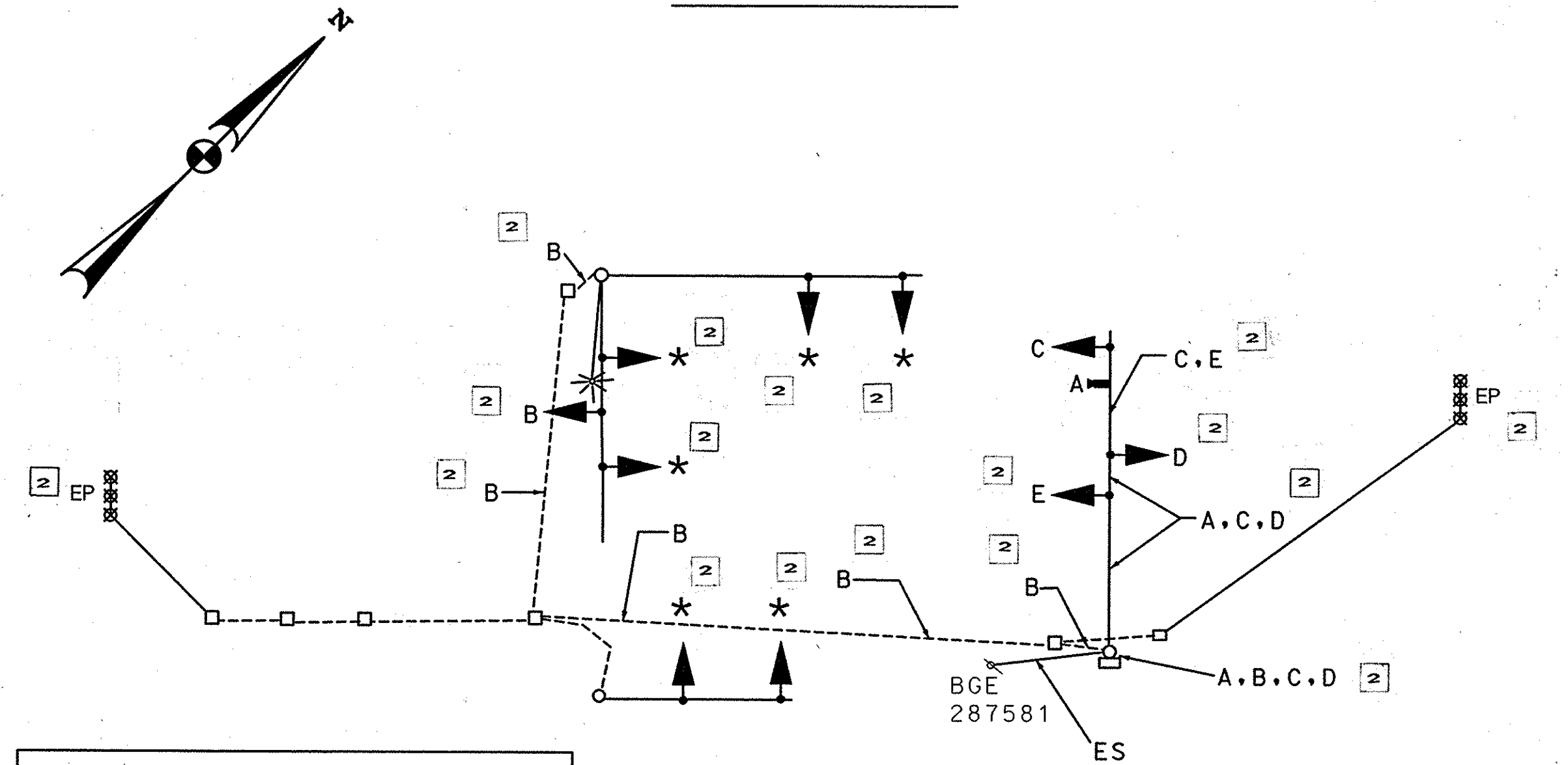
All materials remove by the contractor shall become property of the contractor.

PHASE CHART



Phase 1 & 5	G-R	G-R	R	G-R	G-R	R	R	R	R	R
Changes To Phase 1 & 6, 2 & 5 or 2 & 6										
Phase 1 & 6	G-G	G-G	G	R	R	R	R	R	R	R
1 & 6 Change	Y-G	Y-G	G	R	R	R	R	R	R	R
Phase 2 & 5	R	R	R	G-G	G-G	G	R	R	R	R
2 & 5 Change	R	R	R	Y-G	Y-G	G	R	R	R	R
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R
Phase 4 & 8	R	R	R	R	R	R	G	G	G	G
4 & 8 Change	R	R	R	R	R	R	Y	Y	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

A	PROPOSED VIDEO DETECTION CABLE.
B	7 CONDUCTOR CABLE (No. 14 AWG)
C	
D	
E	5 CONDUCTOR CABLE (No. 14 AWG)
EP	EXISTING MICROLOOP PROBE
*	EXISTING ELECTRICAL CABLE

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

**MD 147(HARFORD RD.)
AND NORTH WIND RD.**

GENERAL INFORMATION SHEET

SCALE NONE DATE 6-16-07 CONTRACT NO.

DESIGNED BY C. MUNZ COUNTY BALTIMORE
DRAWN BY MJW LOGMILE 03014703.10
CHECKED BY TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 2046E DRAWING NO. 2 OF 2 SHEET NO. 77 OF 78

GREENLINE REVISION
2 06/21/07

ST
STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., #100
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

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PLOTTED: #DATE#
FILE: #FILE#

DRILL HOLES

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