DRILL HOLES

BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 223 (Woodyard Rd) abd Pine View Lane in Prince George's County. MD 223 (Woodyard Rd) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

1. The intersection shall continue to operate in a NEMA six-phase, fully-actuated mode, with the MD 223 (Woodyard Rd) approaches running concurrently. The Exclusive/Permissive left turn phases for both approaches of MD 223 (Woodyard Rd) shall remain in operation. The pedestrian phase with pushbutton actuation across the west leg of MD 223 (Woodyard Rd) shall remain in operation. The pedestrian phase across the south leg of Pine View Lane shall remain on recall. The Pine View Lane approaches shall continue to operate as a side street split phase. A new right turn overlap phase shall be provided for the northbound approach of Pine View Lane.

2. The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be installed at this intersection.

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) 787-7652 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.

The contact persons for District #3 (Prince George's County) are as follows:

Mr. Brian Young
Assistant District Engineer - Traffic
Phone: (301) 513-7318

Mr. Raleigh Medley
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Augie Rebish
Assistant District Engineer - Utility
Phone: (301) 513-7350

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
410-787-7676

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE SHA.

There is no equipment to be furnished by the SHA for this project.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

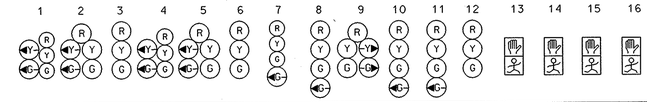
SPEC. NUMBER	DESCRIPTION	QUANTITY
814	12", one-way, five-section (R,YA,Y,GA,G) (right arrows) traffic signal head having proper span wire hangers, balance adjusters and tunnel visors. (Black Faced)	1 EA
814	12", one-way, four-section (R,Y,GA,G) (left arrow) traffic signal head having proper span wire hangers, balance adjusters and tunnel	1 EA
814	8"/12", one-way, four-section 8"(R,Y,G) 12" (GA)(left arrow) traffic signal head having proper span wire hangers, balance adjusters and tunnel	1 EA
813	Ground mounted sheet aluminum signs to consist of:	6.25 S.F.
	R3-7R "RIGHT LANE MUST TURN RIGHT" sign, (30" x 30") ground mounted with hardware.	1 EA

EQUIPMENT LIST (CONT.)

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

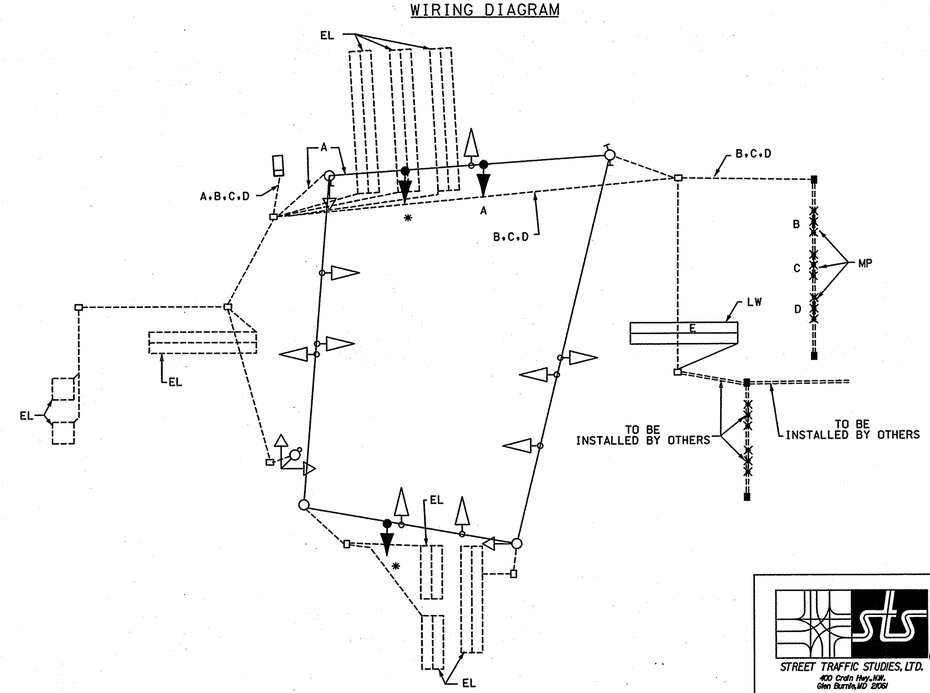
SPEC. NUMBER	DESCRIPTION	QUANTITY
813	Overhead mounted sheet aluminum sign consisting of:	15 S.F.
	R3-6 "LEFT TURN AND THRU" sign, (30" x 36") span wire mounted.	1 EA
	R3-5R "RIGHT TURN ONLY" sign, (30" x 36") span wire mounted.	1 EA
556	Furnish and install heat applied permanent preformed thermoplastic pavement marking arrow. (thru-left)	1 EA
556	Furnish and install heat applied permanent preformed thermoplastic pavement marking arrow. (right)	1 EA
805	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - bored	65 L.F.
810	Furnish and install 7-conductor electrical cable (No. 14 A.W.G.).	120 L.F.
810	Furnish and install loop wire encased in flexible tubing (No. 14 AWG).	415 L.F.
	Remove existing overhead mounted sign	1 EA
811	Furnish and install electrical handhole.	2 EA
812	Furnish and install wood sign supports (4"x4").	16 L.F.
	Remove existing handhole.	2 EA
	Furnish and install micro-loop with 500' lead-in.	3 EA
822	Remove existing traffic signal head.	1 EA

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 1 & 5	◄G-/R	◄G-/R	R	◄G-/R	◄G-/R	R	R	R	R/-G►	R	R	R	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6																
PHASE 1 & 6	◄G-/G	◄G-/G	G	R	R	R	R	R	R	R	R	R	WK	WK	DW	DW
1 & 6 CHANGE	◄Y-/G	◄Y-/G	G	R	R	R	R	R	R	R	R	R	WK	WK	DW	DW
PHASE 2 & 5	R	R	R	◄G-/G	◄G-/G	G	R	R	R/-G►	R	R	R	DW	DW	DW	DW
2 & 5 CHANGE	R	R	R	◄Y-/G	◄Y-/G	G	R	R	R/-Y►	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	DW	DW
PED CLEAR	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	R	R	R	R	R	R	G ◄G-	G ◄G-	G	R	R	R	DW	DW	DW	DW
3 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	R	R	R	G ◄G-	G ◄G-	G	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
PHASE 3 ALT	R	R	R	R	R	R	R	R	R	G ◄G-	G ◄G-	G	DW	DW	WK	WK
PED CLEAR	R	R	R	R	R	R	R	R	R	G ◄G-	G ◄G-	G	DW	DW	FL/DW	FL/DW
3 ALT CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY

A - 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)
B, C, D - MICROLOOP LEAD-IN CABLE (500')
E - EXISTING 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G) ALUMINUM SHIELDED SPLICED TO NEW LOOP WIRE
* - USE EXISTING CABLE
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
MP - MICROLOOP PROBE
ES - EXISTING UNDERGROUND SERVICE TO BE MAINTAINED BY PEPCO

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 223 (WOODYARD ROAD) AND PINE VIEW LANE

GENERAL INFORMATION SHEET

SCALE NONE DATE 10/3/07 CONTRACT NO. BW996M82

DESIGNED BY JWA COUNTY PRINCE GEORGE'S
DRAWN BY RC LOGMILE 16022307.33
CHECKED BY TIMS NO. 1636
F.A.P. NO. TOD NO.

TS NO.1196Eg1 DRAWING NO. 2 OF 2 SHEET NO. OF

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

4853GI.DGN

PLOTTED: $DATETIME$
FILE: $FILE$

DRILL HOLES

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