DRILL HOLES

BORDER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of battery back-up at the intersection of MD 2 (Gov Ritchie Hwy) and Jones Station Rd in Anne Arundel County. MD 2 (Gov Ritchie Hwy) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

1. There will be nochange to the operation of the traffic signal.

2. A new full-traffic-actuated, eight-phase controller with video interface, 2-wire Control Unit and 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.

4. Upon completion of this project, the Contractor shall notify Mr. Robert Snyder at (410) 787-7631 to arrange for the relocation of the existing phone drop. The Contractor is to provide Mr. Robert Snyder with the nearest street address, zip code and phone number

5. APS notes aref for information purposes only:

TO CROSS MD 2 (GOV RITCHIE HWY)

a When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message " Wait to cross Governor Ritchie at Jones Station ."

b. When the WALK phase begins, the pushbutton unit will provide a rapid tick which will last for the duration of the WALK phase.

TO CROSS JONES STATION

a When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message " Wait to cross Jones Station at Governor Ritchie ".

b. When the WALK phase begins, the pushbutton unit will provide a rapid tick which will last for the duration of the WALK phase.

The contact persons are as follows:

Ms. Kim Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1819

Mr. John Mays
Assistant District Engineer - Maintenance
Phone: (410) 841-1013

Mr. Joe Horty
Assistant District Engineer - Utility
Phone: (410) 841-1005

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

Mr. Ed Rodenhizer
Chief, Signal Operations Section
410-787-7652

Mr. Sonny Bailey
Chief Sign Shop
410-787-7676

The power company representative is:

New Business Construction
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, MD 21076
410-850-4620

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	DESCRIPTION	QUANTITY
	NONE	

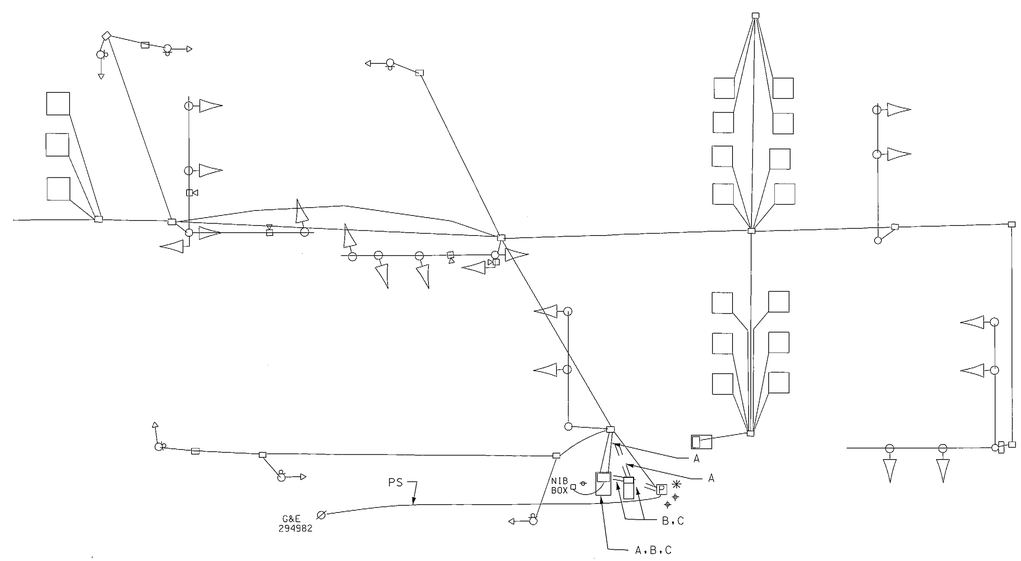
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic.	1 EA
8013	F&I uninteruptable power supply system.	1 EA
8024	Remove and dispose of equipment.	1 EA
8038	F&I Up to 4" schedule 80 pvc conduit - trenched.	60 LF
8045	F&I Electrical cable 1 - conductor (No. 8 AWG)	30 LF
8056	F&I Electrical cable 7 - conductor (No. 14 AWG)	50 LF

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	R Y Y	R Y Y	◀R ◀Y ◀G	◀R ◀Y ◀G	R Y G	R Y G	◀R ◀Y ◀G	◀R ◀Y ◀G	R Y G	R Y G	R Y Y	R Y Y	R Y G ◀G	R Y Y G ▶Y ▶G	R Y Y	R Y Y	R Y G ◀G	R Y G						
PHASE 1 & 5	FL/8"Y	FL/8"Y	◁G—	◁G—	R	R	◁G—	◁G—	R	R	FL/8"Y	FL/8"Y	R	R/—G▷	FL/R	FL/R	R	R	DW	DW	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6																								
PHASE 1 & 6	FL/8"Y	FL/8"Y	◁G—	◁G—	G	G	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	R	R/—G▷	FL/R	FL/R	R	R	DW	WK	WK	DW	DW	DW
1 & 6 CHANGE	FL/8"Y	FL/8"Y	◁Y—	◁Y—	G	G	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	R	R/—Y▷	FL/R	FL/R	R	R	DW	WK	WK	DW	DW	DW
PHASE 2 & 5	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁G—	◁G—	G	G	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	R	R	WK	DW	DW	WK	DW	DW
2 & 5 CHANGE	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁Y—	◁Y—	G	G	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	R	R	WK	DW	DW	WK	DW	DW
PHASE 2 & 6	FL/8"Y	FL/8"Y	◁R—	◁R—	G	G	◁R—	◁R—	G	G	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	R	R	WK	WK	WK	WK	DW	DW
PED CLEAR / COUNTDOWN	FL/8"Y	FL/8"Y	◁R—	◁R—	G	G	◁R—	◁R—	G	G	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 & 6 CHANGE	FL/8"Y	FL/8"Y	◁R—	◁R—	Y	Y	◁R—	◁R—	Y	Y	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	G ◁G—	G	DW	DW	DW	DW	DW	DW
4 CHANGE	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 8	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	G ◁G—	G	FL/R	FL/R	R	R	DW	DW	DW	DW	DW	DW
PHASE 8 CHANGE	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	Y	Y	FL/R	FL/R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	G ◁G—	G	DW	DW	DW	DW	WK	WK
PED CLEAR / COUNTDOWN	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	G ◁G—	G	DW	DW	DW	DW	FL/DW	FL/DW
4 ALT CHANGE	FL/8"Y	FL/8"Y	◁R—	◁R—	R	R	◁R—	◁R—	R	R	FL/8"Y	FL/8"Y	R	R	FL/R	FL/R	Y	Y	DW	DW	DW	DW	DW	DW
PRE EMPT 1 (Firehouse)	R	R	◁R—	◁R—	G	G	◁R—	◁R—	R	R	R	R	R	R	FL/Y	FL/Y	R	R	DW	DW	DW	DW	DW	DW
PRE EMPT 1 CHANGE	R	R	◁R—	◁R—	Y	Y	◁R—	◁R—	R	R	R	R	R	R	Y	Y	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/◁R	FL/◁R	FL/Y	FL/Y	FL/◁R	FL/◁R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY

A } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

B } 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)

C } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

* - USE EXISTING CABLE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 2 (GOV RITCHIE HWY) AND JONES STATION ROAD

GENERAL INFORMATION SHEET

SCALE NONE DATE 8/11/08 CONTRACT NO. XY2245185

DESIGNED BY FJA
DRAWN BY FJA
CHECKED BY
F.A.P. NO.

COUNTY ANNE ARUNDEL
LOGMILE 02000227.71
K96I I608
TOD NO.

TS NO. 323 K | DRAWING NO. 1 OF 1 | SHEET NO. 2 OF 2

PLOTTED: MONDAY, NOVEMBER 28, 2011 AT 12:06 PM
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