DRILL HOLES

BORDER REV: DATE: June 1, 2004

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the traffic control signal at the intersection of MD 27 (Ridge Road) and Skylark Road in Clarksburg, Montgomery County. The modification includes installing an Exclusive/Permissive phase for northbound MD 27. Video detection is provided for the northbound MD 27 left turn approach.
MD 27 (Ridge Road) is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

1. The intersection operates in a NEMA three-phase, semi-actuated mode, with the MD 27 (Ridge Road) approaches running concurrently. The Skylark Road approach runs in its own phase.

2. A full traffic-actuated, eight-phase controller with video interface and all necessary equipment housed in a NEMA size "6" base-mounted cabinet are 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 modifications to the controller cabinet wiring will be performed by Montgomery County Signal Forces. Contact Mr. Kamal Hamud at (240) 777-8761 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 and the Office of Traffic & Safety are as follows:

Mr. Cedric Ward
Assistant District Engineer - Traffic
Phone: (301) 513-7358

Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

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

Mr. Keith Lord
Montgomery County Signal Shop
(301) 674-8965

Mr. Ed Rodenhizer
Manager, Signal Operations
410-787-7650

The contact persons for Montgomery County DOT are as follows:

Mr. Kamal Hamud
Team Leader, Traffic Signals
Division of Traffic Engineering and Operations
Phone: (240) 777-8761

Mr. Chris Romaine
Traffic Signals Shop
Division of Traffic Engineering and Operations
Phone: (240) 777-8762

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
NONE			
1 9086	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS	1	EA.

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

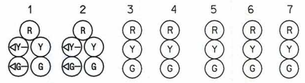
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1001	MAINTENANCE OF TRAFFIC	1	EA.
8001	FURNISH AND INSTALL 12" VEHICULAR LED SIGNAL HEAD SECTION (R, Y, G)	10	EA.
1 8024	FURNISH AND INSTALL VIDEO DETECTION CAMERA AND CABLE (ANY LENGTH)	~~1~~ 2	EA.
8029	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	1	EA.

C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION

NONE

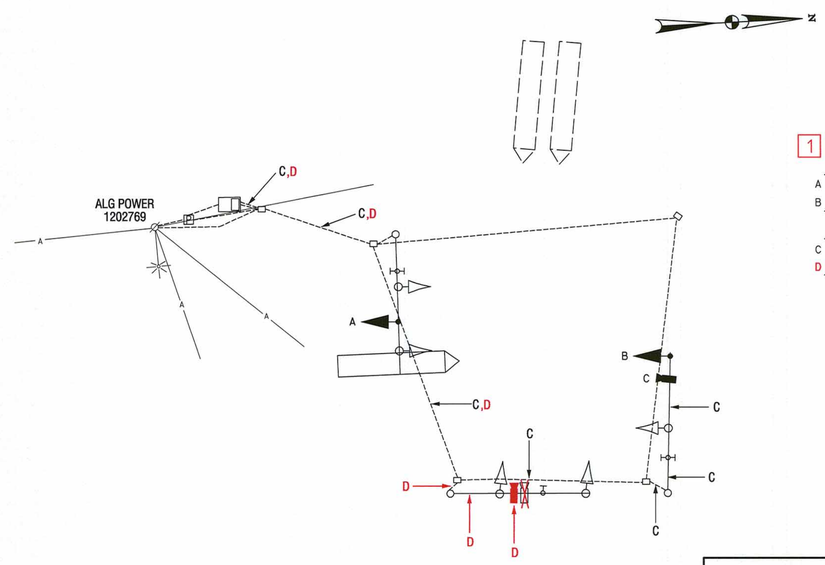
(ALL MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR)

PHASE CHART



	1	2	3	4	5	6	7	
PHASE 1 & 6	G ◄G–	G ◄G–	G	R	R	R	R	
1 CHANGE	G ◄Y–	G ◄Y–	G	R	R	R	R	
PHASE 2 & 6	G	G	G	G	G	R	R	
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	
PHASE 4	R	R	R	R	R	G	G	
4 CHANGE	R	R	R	R	R	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	

WIRING DIAGRAM



1 WIRING KEY

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

C, D } PROPOSED VIDEO DETECTION CAMERA LEAD-IN CABLE

REDLINE REVISION 1:

DATE: 5/7/2012

APPROVAL:

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 27 (RIDGE RD)
AND SKYLARK ROAD
CLARKSBURG, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE NOV. 14, 2011 CONTRACT NO. XX4395185

DESIGNED BY MATAMBA K.
DRAWN BY ROB CICCHINI
CHECKED BY
F.A.P. NO.

COUNTY MONTGOMERY
LOGMILE 15002702.17
TIMS NO. K946
TOD NO.

TS NO.	DRAWING NO. 2 OF 2	SHEET NO. 2 OF 2

PLOTTED: FRIDAY, MAY 04, 2012 AT 03:01 PM
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