PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of MD 85 (Buckeystown Pike) and Grove Road in Frederick County, Maryland.
MD 85 is considered to run in a north/south direction.

Intersection modifications include widening southbound MD 85.
Relocation of interconnect cable (Grove Road to Guilford Drive run) and aluminum shielded cable.

II. INTERSECTION OPERATION

The intersection operation is to remain unchanged.

EQUIPMENT LIST

S.H.A. furnished equipment material.

Equipment to be furnished and installed by the Contractor.
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
1	EA	811	Handhole.
205	LF	805	3 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched.
85	LF	805	3 in. polyvinyl chloride (Schedule 80) electrical conduit - bored.
2	EA	810	Loop detector splice.
50	LF	524	5 in. wide HAPPTPM - white for lane line.
Lump Sum	LS	---	Relocated traffic signal cables (Approx. 800 LF).
Lump Sum	LS	---	Relocated interconnect cable (Approx. 400 LF).
Lump Sum	LS	---	Remove and dispose of existing signal equipment.
Lump Sum	LS	---	As-built for S.H.A. (on CADD).

CONTACT LIST

The contact persons for District #7 are as follows:

Mr. John Concannon
Assistant District Engineer - Traffic
301-624-8140

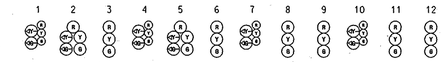
Ms. Andrea Abend
Assistant District Engineer - Utility
301-624-8115

Mr. Raymond F. Johnson
Assistant District Engineer - Maintenance
301-624-8105

Mr. Richard L. Daff
Chief, Traffic Operations Division
410-787-7630

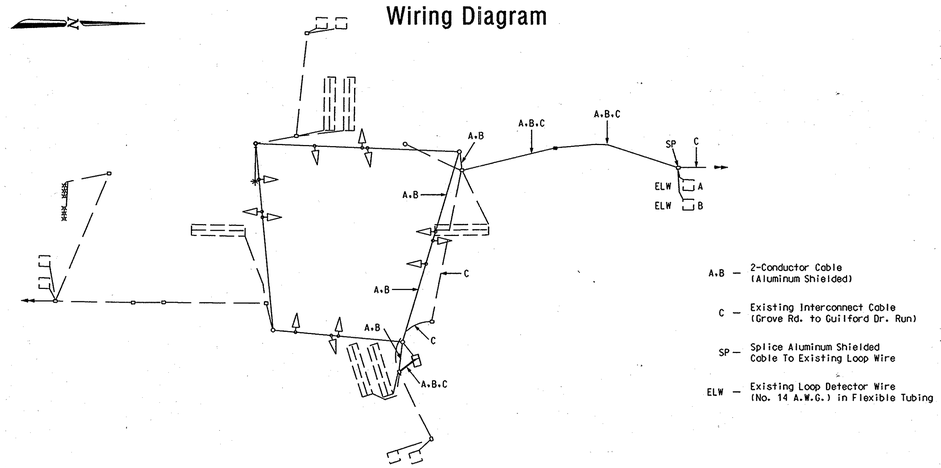
Mr. Edward Rodenhizer
Supervisor, Signal Operations
410-787-7652

Phase Chart

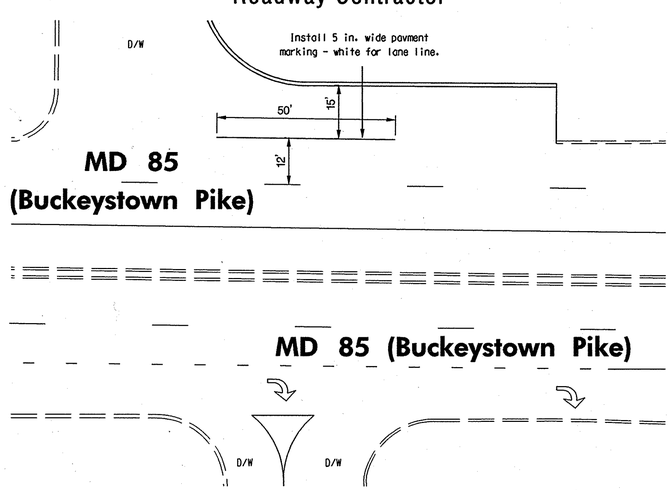


	1	2	3	4	5	6	7	8	9	10	11	12
Phase 1 & 5	R, G	R, G	R	R, G	R, G	R	R	R	R	R	R	R
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6												
Phase 1 & 6	G, G	G, G	G	R	R	R	R	R	R	R	R	R
1 Change	G, Y	G, Y	G	R	R	R	R	R	R	R	R	R
Phase 2 & 5	R	R	R	G, G	G, G	G	R	R	R	R	R	R
5 Change	R	R	R	G, Y	G, Y	G	R	R	R	R	R	R
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R
Ped Clearance	G	G	G	G	G	G	R	R	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
Phase 3 & 7	R	R	R	R	R	R	G, G	R	R	G, G	R	R
3 & 7 Change to Phase 3 & 8 or Phase 4 & 7 or Phase 4 & 8												
Phase 3 & 8	R	R	R	R	R	R	R	R	R	G, G	G	G
3 Change	R	R	R	R	R	R	R	R	R	G, Y	G	G
Phase 4 & 7	R	R	R	R	R	R	R, G	G	G	R	R	R
7 Change	R	R	R	R	R	R	G, Y	G	G	R	R	R
Phase 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G
4 & 8 Change	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
Phase Alt 4 & Alt 8	R	R	R	R	R	R	G	G	G	G	G	G
Ped Clearance	R	R	R	R	R	R	G	G	G	G	G	G
Alt 4 & Alt 8 Change	R	R	R	R	R	R	Y	Y	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	FL/R	FL/R

Wiring Diagram



Pavement Marking Plan to be installed by Developer's Roadway Contractor



Scale: 1" = 20'

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 85 (Buckeystown Pike) @ Grove Road

GENERAL INFORMATION PLAN

SCALE N/A	DATE April 2, 2007	CONTRACT NO. 238551250711	
DESIGNED BY F. Brownley		COUNTY Frederick	
DRAWN BY F. Brownley		LOGMILE 06008509.64	
CHECKED BY		TIMS NO. I 516	
FAP NO.		TOD NO.	
TS NO. 1954G-GS	DRAWING – OF	SHEET NO. 2 OF 2	

BY: FBrownley

PLOTTED: Monday, April 02, 2007 AT 01:49 PM
FILE: O:\Jobs\2005\2005-0222\DES\pSG-N001_md85-grove rd.dgn