

**PROJECT DESCRIPTION**

**GENERAL**

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 13 BUSINESS AND DOGWOOD DRIVE IN WICOMICO COUNTY. THE MODIFICATION SHALL CONSIST OF CHANGING THE EXISTING EXCLUSIVE/PERMISSIVE LEFT TURN PHASING TO A LEAD/LAG EXCLUSIVE LEFT TURN PHASING ALONG NB AND SB US 13 BUSINESS. THE MODIFICATIONS ALSO INVOLVES UPGRADING THE EXISTING TRAFFIC SIGNAL HEADS TO L.E.D. TRAFFIC SIGNALS AND UPGRADING THE EXISTING SIGNALIZED PEDESTRIAN CROSSING TO APS AND CPS.

US 13 BUSINESS IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION IS EQUIPPED WITH AN EIGHT PHASE FULLY-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET. THIS INTERSECTION WILL OPERATE IN A NEMA 6 PHASE FULLY-TRAFFIC-ACTUATED MODE WITH THE LEFT TURNS FOR THE US 13 BUSINESS APPROACHES OPERATING IN A LEAD/LAG SEQUENCE. THE NORTHBOUND AND SOUTHBOUND US 13 BUSINESS MOVEMENTS WILL OPERATE CONCURRENTLY. EASTBOUND AND WESTBOUND DOGWOOD DRIVE MOVEMENTS WILL ALSO OPERATE CONCURRENTLY WITH AN ALTERNATE PEDESTRIAN PHASE FOR PHASE EIGHT. EMERGENCY PRE-EMPTION IS ASSIGNED TO NB AND SB US 13 BUSINESS.

**SPECIAL NOTES**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE.

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.

APS WILL FUNCTION AS FOLLOWS FOR CROSSING US 13 BUSINESS:

A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL BE WAIT TO CROSS SOUTH SALISBURY AT DOGWOOD.

B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

**EQUIPMENT LIST FOR AREAWIDE CONTRACT #AT9335185**

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

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2001	1	CY	CLASS 2 EXCAVATION
2002	1	CY	TEST PIT ESCVATION
6001	30	LF	DEPRESSED CURB AND GUTTER
6002	50	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN, 8 INCH DEPTH
6003	250	SF	4 INCH CONCRETE SIDEWALK
8001	36	EA	12 INCH RED OR GREEN LED SIGNAL HEAD SECTION
8010	2	EA	AUDIBLE / TACTILE PEDESTRIAN PUSHBUTTON STATIONS AND SIGNS
8011	1	EA	BREAKAWAY PEDESTAL POLE - ANY SIZE
8013	1	EA	EMBEDDED METERED SERVICE PEDESTAL
8014	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8017	1	EA	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT
8019	1	EA	REMOVE FOUNDATION 12 INCH DEPTH
8025	10	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8026	25	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8027	20	SF	DETECTABLE WARNING SURFACES
8030	0.2	CY	CONCRETE FOR SIGNAL FOUNDATION
8033	10	LF	NO 6 AWG STRANDED BARE COPPER GROUND WIRE
8038	50	LF	ELECTRICAL CABLE 1 CONDUCTOR NO 4 AWG - THHN// THWN
8052	3	EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8058	225	LF	ELECTRICAL CABLE - 2 CONDUCTOR NO 14 AWG
8060	600	LF	ELECTRICAL CABLE - 5 CONDUCTOR NO 14 AWG

**PROJECT CONTACTS**

The contact persons for District #1 are as follows:

Mr. Gene Cofield  
Assistant District Engineer - Traffic  
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Mr. Ravindra Ganvir  
Assistant District Engineer - Construction  
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Mr. James Wright  
Assistant District Engineer - Maintenance  
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Mr. Bruce W. Poole  
Assistant District Engineer - Utility  
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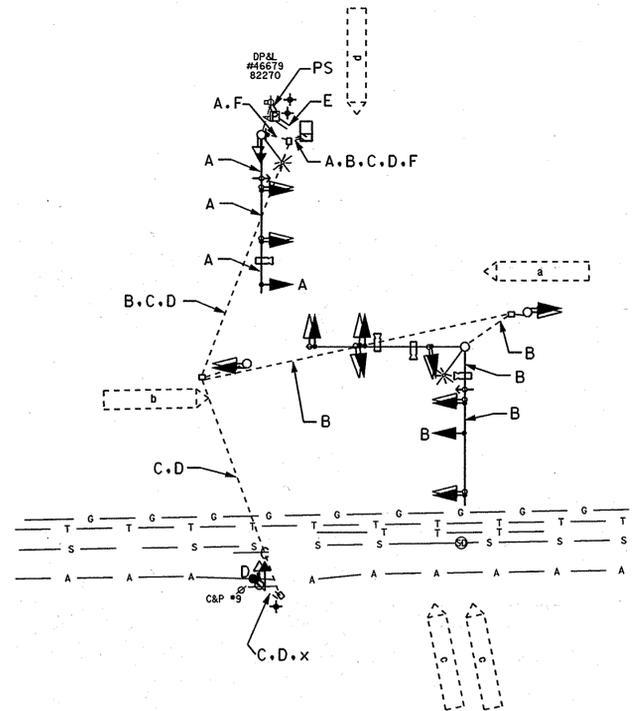
Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Power Company DP & L  
Mr. Rodney Bane  
Phone: (410) 860-6292

**PHASE CHART**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 (LEAD) AND 6	←G- ←G-	G	G	←R- ←R-	R	R	R	R	R	R	R	R	DW	DW
1 CHANGE	←Y- ←Y-	G	G	←R- ←R-	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6	←R- ←R-	G	G	←R- ←R-	G	G	R	R	R	R	R	R	DW	DW
6 CHANGE	←R- ←R-	Y	Y	←R- ←R-	G	G	R	R	R	R	R	R	DW	DW
PHASE 2 AND 5 (LAG)	←R- ←R-	R	R	←G- ←G-	G	G	R	R	R	R	R	R	DW	DW
2 AND 5 CHANGE	←R- ←R-	R	R	←Y- ←Y-	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 4 AND 8	←R- ←R-	R	R	←R- ←R-	R	R	G	G	G	G	G	G	DW	DW
4 AND 8 CHANGE	←R- ←R-	R	R	←R- ←R-	R	R	Y	Y	Y	Y	Y	Y	DW	DW
PHASE 8 ALT	←R- ←R-	R	R	←R- ←R-	R	R	G	G	G	G	G	G	WK	WK
PED CLEARANCE	←R- ←R-	R	R	←R- ←R-	R	R	G	G	G	G	G	G	FLDW	FLDW
8 ALT CHANGE	←R- ←R-	R	R	←R- ←R-	R	R	Y	Y	Y	Y	Y	Y	DW	DW
EMERGENCY PREEMPTION PHASE 1 AND 6	←G- ←G-	G	G	←R- ←R-	R	R	R	R	R	R	R	R	DW	DW
EMERGENCY PREEMPTION PHASE 1 AND 6 CHANGE	←Y- ←Y-	G	G	←R- ←R-	R	R	R	R	R	R	R	R	DW	DW
EMERGENCY PREEMPTION PHASE 2 AND 5	←R- ←R-	R	R	←G- ←G-	G	G	R	R	R	R	R	R	DW	DW
EMERGENCY PREEMPTION PHASE 2 AND 5 CHANGE	←R- ←R-	R	R	←Y- ←Y-	Y	Y	R	R	R	R	R	R	DW	DW
FLASHING OPERATION	FL / ←R-	FL / ←R-	FL / Y	FL / Y	FL / ←R-	FL / ←R-	FL / Y	FL / Y	FL / R	FL / R	FL / R	FL / R	DARK	DARK

**WIRING DIAGRAM**



**WIRING KEY**

- A.B.C } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- D.F } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E } 1 CONDUCTOR ELECTRICAL CABLE 3 WIRE 1 CONDUCTOR (NO. 4 AWG)
- x } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- PS } POWER SERVICE UNDERGROUND
- + } GROUND ROD

TOD NO: AT933-13  
SHA NO: W1375A52/B52  
US 13 BU@ DOGWOOD DR

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

**US 13 BUSINESS AND DOGWOOD DRIVE**  
WICOMICO COUNTY, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE 4/2008 CONTRACT NO. AT9335185

DESIGNED BY MH COUNTY WICOMICO  
DRAWN BY MH LOGMILE 22B01303.64  
CHECKED BY JB T. I. M. S. NO. 1892  
F. A. P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_

TS NO. 2663C SHEET NO. 2 OF 2

**BAI** BRUDIS & ASSOCIATES, INC.  
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