

**PROJECT DESCRIPTION**

**GENERAL**

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF U.S. 13 BUSINESS AND NORTH BOULEVARD IN WICOMICO COUNTY. THE MODIFICATION SHALL CONSIST OF ADDING EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR NB/SB US 13 BUSINESS. ALSO INSTALLATION OF L.E.D. TRAFFIC SIGNALS AND UPGRADING THE EXISTING SIGNALIZED PEDESTRIAN CROSSING FOR THE SOUTH LEG TO APS AND CPS. U.S. 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. THE INTERSECTION PHASING HAS BEEN MODIFIED TO ACCOMMODATE LEFT TURN PHASING ONLY. U.S. 13 BUSINESS WILL NOW OPERATE IN A NEMA 6 PHASE ACROSS U.S. 13 BUSINESS AND EMERGENCY VEHICLE PRE-EMPTION FOR NB AND SB US 13 BUSINESS. THE NORTHBOUND AND SOUTHBOUND US 13 BUSINESS MOVEMENTS WILL OPERATE CONCURRENTLY. EASTBOUND AND WESTBOUND NORTH BOULEVARD MOVEMENTS WILL BE SPLIT WITH AN ALTERNATE PEDESTRIAN PHASE FOR PHASE 4. EMERGENCY PRE-EMPTION IS ASSIGNED TO N/B AND S/B U.S. 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 ANNOUNCE THE FOLLOWING MESSAGE "WAIT TO CROSS SALISBURY AT NORTH".
- B. WHEN THE WALK PHASE BEGINS, THE PUSHBUTTON UNIT WILL PROVIDE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

**EQUIPMENT LIST FOR AREAWIDE CONTRACT # XX4485185**

**A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.**

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9571	2	SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	2	EA	R10-3 (1) POLE MOUNTED SIGN

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

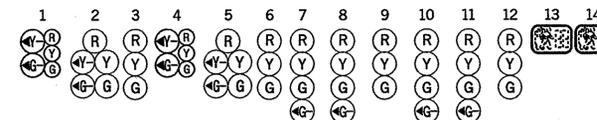
ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
1003	265	LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS. ANY WIDTH
1004	4	EA	REMOVAL OF EXISTING PAVEMENT LETTERS, SYMBOLS, ARROWS AND NUMBERS
2001	1	CY	CLASS 2 EXCAVATION
2002	1	CY	TEST PIT EXCAVATION
5002	175	LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5003	65	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
6001	50	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	115	SF	5 INCH CONCRETE SIDEWALK
8001	10	EA	12 INCH (R. Y. G) LED SIGNAL HEAD SECTION
8007	6	EA	8 INCH LED SIGNAL (R.Y.G) HEAD SECTION
8010	2	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8011	2	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8014	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8015	28	EA	LED SIGNAL HEAD MODULES (ANY SIZE)
8017	1	EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8019	1	EA	REMOVE FOUNDATION 12 INCH DEPTH
8024	175	LF	DISCONNECT, PULL-BACK AND REROUTE CABLES
8027	30	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
8028	15	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8029	30	SF	DETECTABLE WARNING SURFACES
8034	295	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8048	2	EA	VIDEO DETECTION CAMERA AND CABLE UP TO 500 FT
8056	150	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8058	165	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8059	595	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

**PROJECT CONTACTS**

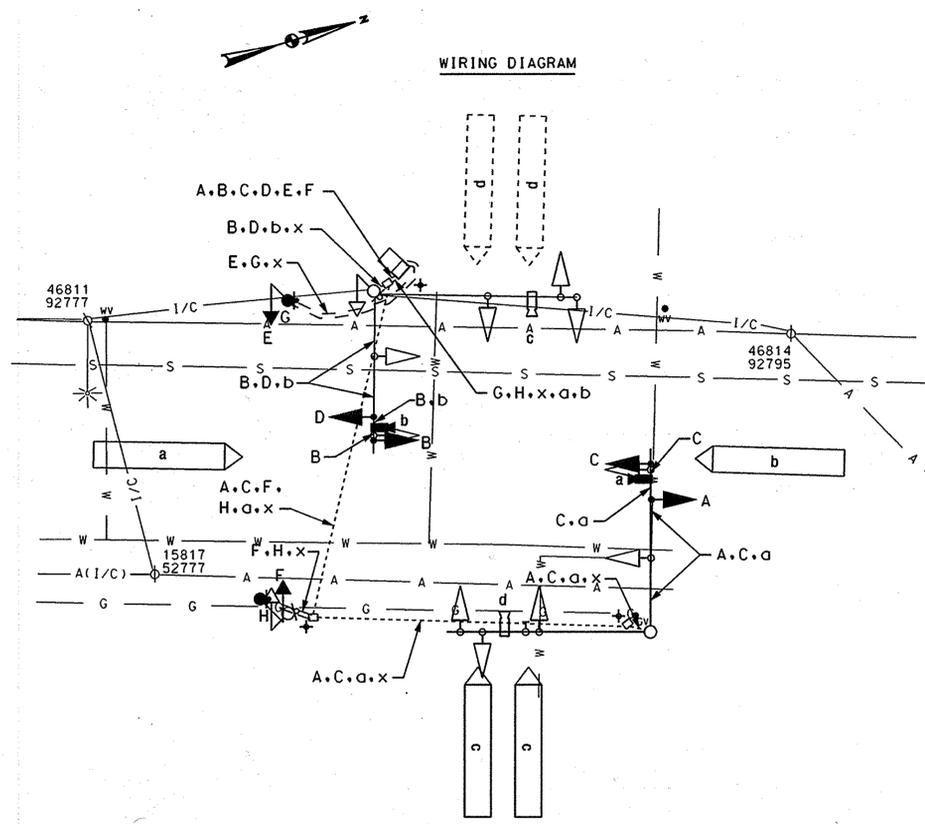
The contact persons for District #1 are as follows:

- Mr. Gene Cofield  
Assistant District Engineer - Traffic  
Phone: (410) 677-4040
- Mr. Ravindra Ganvir  
Assistant District Engineer - Construction  
Phone: (410) 677-4020
- Mr. James Wright  
Assistant District Engineer - Maintenance  
Phone: (410) 677-4010
- Mr. Bruce W. Poole  
Assistant District Engineer - Utility  
Phone: (410) 677-4082
- 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**



PHASE 1 AND 5	+G/R	+G/R	R	+G/R	+G/R	R	R	R	R	R	R	R	R	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6															
PHASE 1 AND 6	+GG	+GG	G	R	R	R	R	R	R	R	R	R	R	DW	DW
1 AND 6 CHANGE	+Y/G	+Y/G	G	R	R	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 AND 5	R	R	R	+G/G	+G/G	G	R	R	R	R	R	R	R	DW	DW
2 AND 5 CHANGE	R	R	R	+Y/G	+Y/G	G	R	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	DW	DW
PHASE 3	R	R	R	R	R	R	R	R	R	R	+GG	+GG	G	DW	DW
PHASE 3 CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 4	R	R	R	R	R	R	+G/G	+G/G	G	R	R	R	R	DW	DW
PHASE 4 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	R	DW	DW
PHASE 4 ALT	R	R	R	R	R	R	+G/G	+G/G	G	R	R	R	R	WK	WK
PED CLEARANCE	R	R	R	R	R	R	+G/G	+G/G	G	R	R	R	R	FLDW	FLDW
4 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	R	DW	DW
EMERGENCY PREEMPTION	G	G	G	G	G	G	R	R	R	R	R	R	R	DW	DW
PREEMPTION CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	DARK	DARK						



**WIRING KEY**

- A.B.C.D. - 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E.F - 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- G.H - 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- X - 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- a,b - VIDEO DETECTION CABLE
- + - GROUND ROD

TOD No. XX448-08  
SHA No. WI431A51/B51

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

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

**US 13 BUSINESS (SALISBURY BOULEVARD) AND NORTH BOULEVARD**  
WICOMICO COUNTY, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE 03-10-08 CONTRACT NO. XX4485185

DESIGNED BY JB COUNTY WICOMICO  
DRAWN BY MH LOGMILE 228001304.67  
CHECKED BY JB T.I.M.S. NO. 1 867  
F.A.P. NO.  TOD NO.

TS NO. 1936-C SHEET NO. 2 OF 2

**BAI** BRUDIS & ASSOCIATES, INC.  
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Phone 410-894-3607  
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PLOTTED: #DATE#  
FILE: #FILE#

BY: \$USERNAME\$