

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE REPHASING, LANE ASSIGNMENT CHANGES AND UPGRADING THE DETECTORS AT THE INTERSECTION OF US 50 AND WALSTON SWITCH ROAD IN WICOMICO COUNTY. US 50 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION SHALL OPERATE IN A NEMA SIX PHASE, FULL-TRAFFIC-ACTUATED MODE. THE EASTBOUND MOVEMENTS (THROUGH AND LEFT) WILL OPERATE AS A LEAD. THE US 50 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY WITH THE WEST BOUND MOVEMENTS (THROUGH AND LEFT) OPERATING AS A LAG. DUE TO THE WIDTH OF THE MEDIAN AND THE "RED SIGNAL AHEAD" SIGN OVERLAPS WILL BE UTILIZED TO CONTROL SPECIFIC PHASES. THE OVERLAPS ASSOCIATED WITH THE FAR SIDE MEDIAN SIGNALS SHALL HAVE APPROPRIATE OVERLAP CLEARANCES. THE SIDE STREET APPROACHES WILL OPERATE AS "SPLIT PHASING" UTILIZING THE APPROPRIATE OVERLAPS.

THERE ARE FOUR (4) PREEMPTION PHASES, ONE FOR EACH DIRECTION OF TRAVEL AT THE INTERSECTION.

CONTACTS

The contact persons are:

Mr. Kenneth Cimino
Assistant District Engineer - Traffic
Phone: (410) 677-4040

Mr. Hicham Baassari
Assistant District Engineer - Const.
Phone: (410) 677-4020

Mr. James Wright
Assistant District Engineer - Maint.
Phone: (410) 677-4010

Mr. Bruce W. Poole
Assistant District Engineer - Utility
Phone: (410) 677-4082

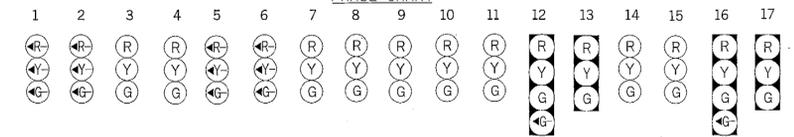
Mr. Richard L. Doff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Edward Rodenhizer
Chief SHA Traffic Signal Shop
Phone: (410) 787-7650

Mr. Mike Stocker
Supervisor, Signal Warehouse
Phone: (410) 787-7668

Mr. Sonny Bailey
Supervisor, Sign Shop
Phone: (410) 787-7676

PHASE CHART



PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PHASE 2 AND 5	←R	←R	R	R	←G	←G	G	G	G	R	R	R	R	R	R	←G/G	G
5 CHANGE	←R	←R	R	R	←Y	←Y	G	G	G	R	R	R	R	R	R	←G/G	G
OVLP "A" CLEAR	←R	←R	R	R	←R	←R	G	G	G	R	R	R	R	R	R	←G/G	G
OVLP "A" CHANGE	←R	←R	R	R	←R	←R	G	G	G	R	R	R	R	R	R	Y	Y
PHASE 2 AND 6	←R	←R	G	G	←R	←R	G	G	G	R	R	R	R	R	R	R	R
2 CHANGE	←R	←R	G	G	←R	←R	Y	Y	Y	R	R	R	R	R	R	R	R
PHASE 1 AND 6	←G	←G	G	G	←R	←R	R	R	R	R	R	R	R	R	R	R	R
1 AND 6 CHANGE	←Y	←Y	Y	Y	←R	←R	R	R	R	R	R	R	R	R	R	R	R
PHASE 3	←R	←R	R	R	←R	←R	R	R	R	G	G	←G/G	G	R	R	R	R
3 CHANGE	←R	←R	R	R	←R	←R	R	R	R	Y	Y	←G/G	G	R	R	R	R
OVLP "B" CLEAR	←R	←R	R	R	←R	←R	R	R	R	R	R	←G/G	G	R	R	R	R
OVLP "B" CHANGE	←R	←R	R	R	←R	←R	R	R	R	R	R	Y	Y	R	R	R	R
PHASE 4	←R	←R	R	R	←R	←R	R	R	R	R	R	R	G	G	←G/G	G	
4 CHANGE	←R	←R	R	R	←R	←R	R	R	R	R	R	R	Y	Y	←G/G	G	
FLASHING OPERATION	FL/←R	FL/←R	FL/Y	FL/Y	FL/←R	FL/←R	FL/Y	FL/Y	FL/Y	FL/R							

NOTES: PRE-EMPTION NO. 1 WILL HOLD PHASE 2 & 5
 PRE-EMPTION NO. 2 WILL HOLD PHASE 1 & 6
 PRE-EMPTION NO. 3 WILL HOLD PHASE 3
 PRE-EMPTION NO. 4 WILL HOLD PHASE 4

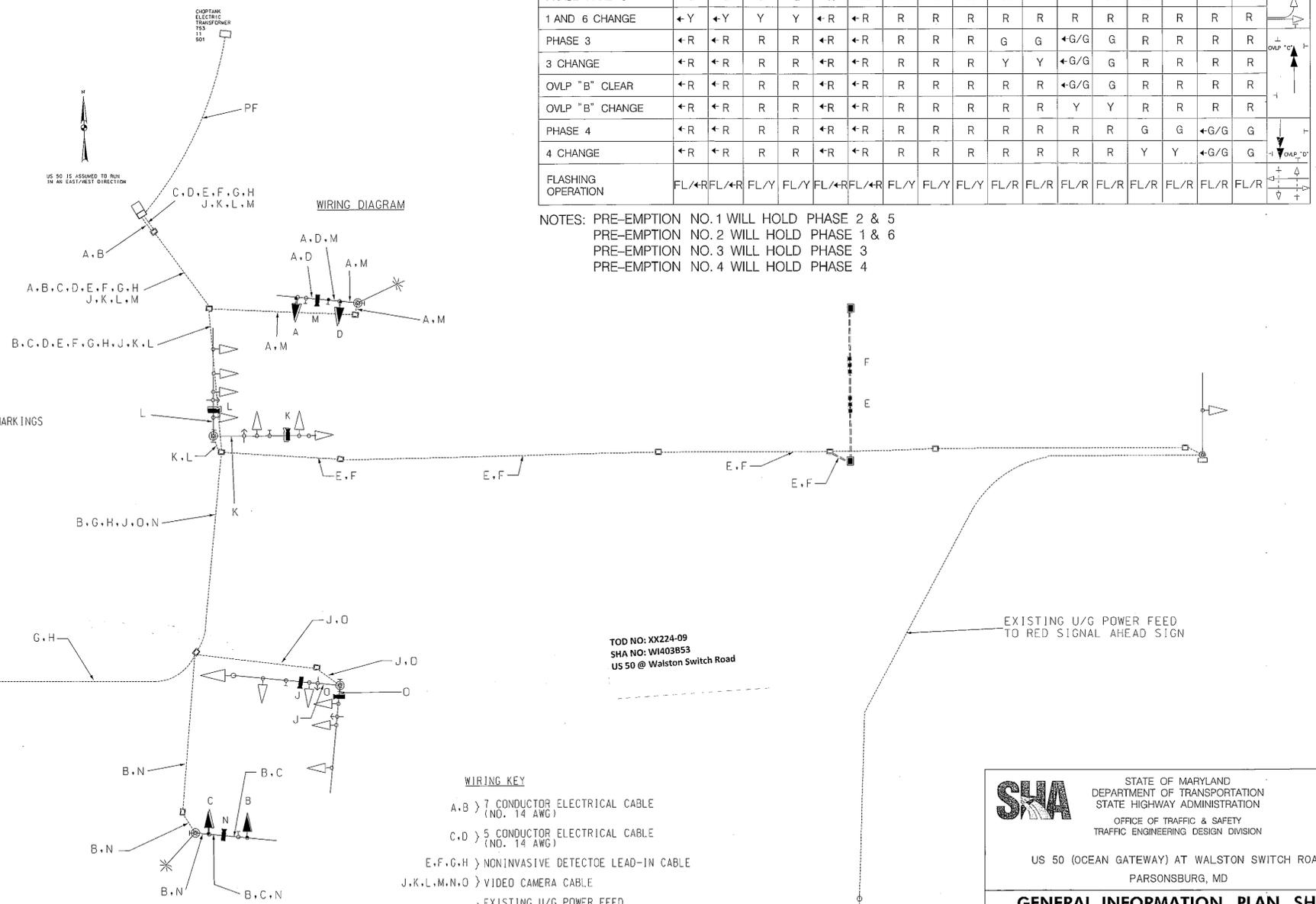
EQUIPMENT LIST FOR CONTRACT NO. XX2245185

A. EQUIPMENT TO BE FURNISHED BY THE STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9086	1	EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT
9570	9	SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN
	1	EA	R3-8 (36"X36") GROUND MOUNTED
9571	8	SF	[UPDATED] SHEET ALUMINUM MAST ARM/POLE MOUNTED
	1	EA	R3-6L (30"X36") MAST ARM MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
5001	60	LF	5 INCH HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	25	SF	REM OF EXISTING PERM PVMT MARKINGS LETTERS, SYMBOLS, ARROWS AND NUMBERS
8027	4	EA	NONINVASIVE DETECTOR, UP TO 1000 FOOT LEAD IN CABLE
8029	1	EA	REMOVE AND DISPOSE EXISTING MATERIAL AND EQUIPMENT (PER ASSIGNMENT)
8034	6	EA	VIDEO DETECTION CAMERA & CABLE
8041	125	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED
8043	10	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8044	30	LF	WOOD SIGN SUPPORT UP TO 4 X 6 INCHES
8046	17	SF	INSTALL GROUND MOUNTED AND/OR OVERHEAD
8054	4	EA	FURNISH AND INSTALL ELECTRICAL MANHOLE
8064	50	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8065	600	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8086A	2	EA	12 INCH OPTICALLY PROGRAMMED LED SIGNAL HEAD 3 SECTION (R,Y,G)
8087A	2	EA	12 INCH OPTICALLY PROGRAMMED LED SIGNAL HEAD 4 SECTION (R,Y,G,CA)



WIRING KEY
 A,B } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
 C,D } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
 E,F,G,H } NONINVASIVE DETECTOR LEAD-IN CABLE
 J,K,L,M,N,O } VIDEO CAMERA CABLE
 PF } EXISTING U/G POWER FEED TO TRAFFIC SIGNAL

NOTE: SIGNAL HEADS 12,13,16 AND 17 TO BE REWIRED FOR NEW SIGNAL HEADS. ALL OTHER EXISTING TRAFFIC SIGNAL WIRING TO BE UTILIZED.

TOD NO: XX224-09
 SHA NO: W1403B53
 US 50 @ Walston Switch Road

STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION

US 50 (OCEAN GATEWAY) AT WALSTON SWITCH ROAD
 PARSONSBURG, MD

GENERAL INFORMATION PLAN SHEET

SCALE	NTS	ADVERTISED DATE	3/1	CONTRACT NO.	XX2245185
DESIGNED BY	JB	COUNTY	WICOMICO		
DRAWN BY	CW	LOGMILE	22005020.94		
CHECKED BY	SR	TIMS NO.	K730		
F.A.P. NO.		TOD NO.			

BAI BRUDIS & ASSOCIATES, INC.
 Consulting Engineers
 9240 Rumsey Road, Suite C
 Columbia, Maryland 21045
 Phone 410-884-3507
 www.brudis.com

BY: john