

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL. IT INVOLVES THE INSTALLATION OF NEW BRADSHAW/SUNSHINE AVENUE IN BALTIMORE COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION IS TO OPERATE IN A NEMA FIVE-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE WILL BE AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR THE SOUTHBOUND MOVEMENTS OF US 1. THE SIDE STREETS SPLIT PHASE NORTHBOUND US 1 LEFT TURNS TO US 1 WILL BE PROHIBITED BY USING JERUSALEM ROAD AS A JUG HANDLE.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER SHALL BE USED.

PROJECT CONTACTS

THE CONTACT PERSON FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
DISTRICT ENGINEER
(410) 321-2810

MS. SUENETTE POPE
DISTRICT UTILITY ENGINEER
(410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT
ENGINEER - TRAFFIC
(410) 321-2798

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
DIVISION
(410) 787-7630

THE POWER COMPANY REPRESENTATIVE IS :

BALTIMORE GAS ELECTRIC COMPANY
MR. JOSEPH G. BUNCH
INDUSTRIAL/COMMERCIAL SERVICES
NEW BUSINESS CONSTRUCTION
7317 PARKWAY DRIVE SOUTH
HANDOVER, MD 21076
(410) 859-9030

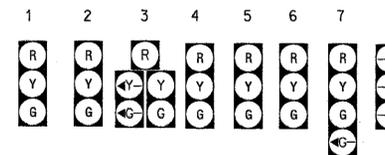
WMS#

EQUIPMENT LIST "B"

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

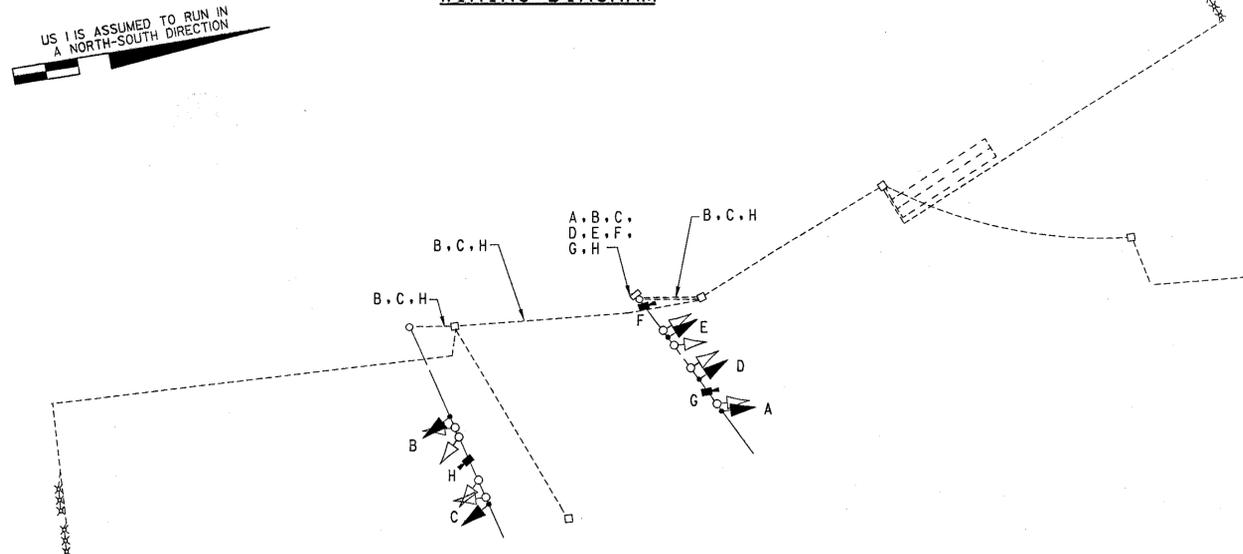
ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1009			MAINTENANCE OF TRAFFIC
5012	24	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8001	1	LS	REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT
8003	20.5	SF	SHEET ALUMINUM SIGN-OVERHEAD
8016	18	EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION POLYCARBONATE AND BLACK FACE
8023	490	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)
8011	3	EA	VIDEO DETECTION CAMERA
8012	3	EA	CONTROLLER CABLE, 250 FT, VIDEO DETECTION CAMERA TO CONTROLLER
8013	3	EA	VIDEO INTERFAACE EQUIPMENT

PHASE CHART



	1	2	3	4	5	6	7	8	
PHASE 5	R	R	R/G	R	R	R	R	-G-	↙
PHASE 5 CHANGE TO PHASE 2 & 5 OR PHASE 2 & 6									↔
PHASE 2 & 5	R	R	G/G	G	R	R	R	-G-	↙
5 CHANGE	R	R	G/Y	Y	R	R	R	-Y-	↙
PHASE 2 & 6	G	G	G	G	R	R	R	-R-	↔
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	-R-	↔
PHASE 4	R	R	R	R	G	G	R	-R-	↘
4 CHANGE	R	R	R	R	Y	Y	R	-R-	↘
PHASE 8	R	R	R	R	R	R	G/G	-G-	↗
8 CHANGE	R	R	R	R	R	R	Y	-Y-	↗
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	⚡

WIRING DIAGRAM



WIRING KEY

A,B,C,D,E - 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
F,G,H -VIDEO CAMERA CABLE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	UNIT	DESCRIPTION
20.5	SF	SHEET ALUMINUM SIGN TO CONSIST OF: 1- EA R3-5R (30"x36") 1- EA R10-12 (36"x42") 1- EA R3-2 (24"x24")

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

GENERAL NOTES

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
US 1 AT SUNSHINE AVENUE /BRADSAW ROAD

DRAWN BY: K.J.S.	F.A.P. NO. SEE TITLE SHEET	TS NO. 626 F	SHEET NO. 39 OF 59
CHECKED BY: T.A.R.	S.H.A. NO. BA4025187	T.I.M.S. NO. G372X	
SCALE: NO SCALE	COUNTY: BALTIMORE	LOG MILE: 03000112.68	
DATE: 05-2004			



03/02/25 PM 09/20/2004 swgnn gn:20828233 CAD:dr of FA:np12jul.dgn