

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

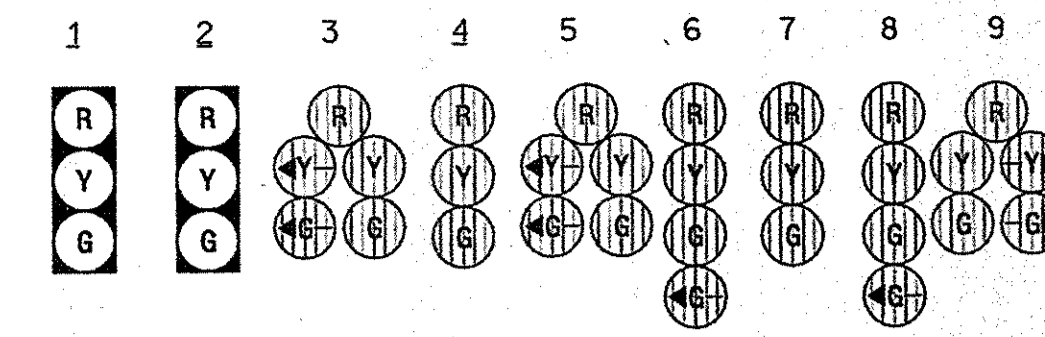
THE EXISTING POLE MOUNTED CABINET AND CONTROLLER SHALL BE USED.

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	39.5	SF	SHEET ALUMINUM SIGN-OVERHEAD
8016	21	EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION POLYCARBONATE AND BLACK FACE - LED
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	9	
PHASE 5	R	R	B/G	R	B/G	R	R	R	-G-	↻
PHASE 5 CHANGE TO PHASE 2 & 5 OR PHASE 2 & 6										↻
PHASE 2 & 5	B	R	G/G	G	G/G	B	B	B	-G-	↻
5 CHANGE	B	R	G/Y	Y	G/Y	B	B	B	-Y-	↻
PHASE 2 & 6	G	G	G	G	G	B	R	R	B	↻
2 & 6 CHANGE	Y	Y	Y	Y	Y	B	B	B	B	↻
PHASE 4	B	R	R	B	B	G/G	G	R	B	↻
4 CHANGE	B	R	R	B	B	Y	Y	R	B	↻
PHASE 8	B	R	R	R	R	B	B	G/G	G	↻
8 CHANGE	B	R	R	R	R	R	B	Y	Y	↻
FLASHING OPERATION	EL/Y	EL/Y	EL/Y	EL/Y	EL/Y	EL/B	EL/R	EL/B	EL/B	↻

PROJECT CONTACTS

THE CONTACT PERSON FOR SHA ARE AS FOLLOWS:

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

MR. MICHAEL PASQUARIELLO
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
HANOVER, MD 21076
(410) 859-9030

WMS#

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

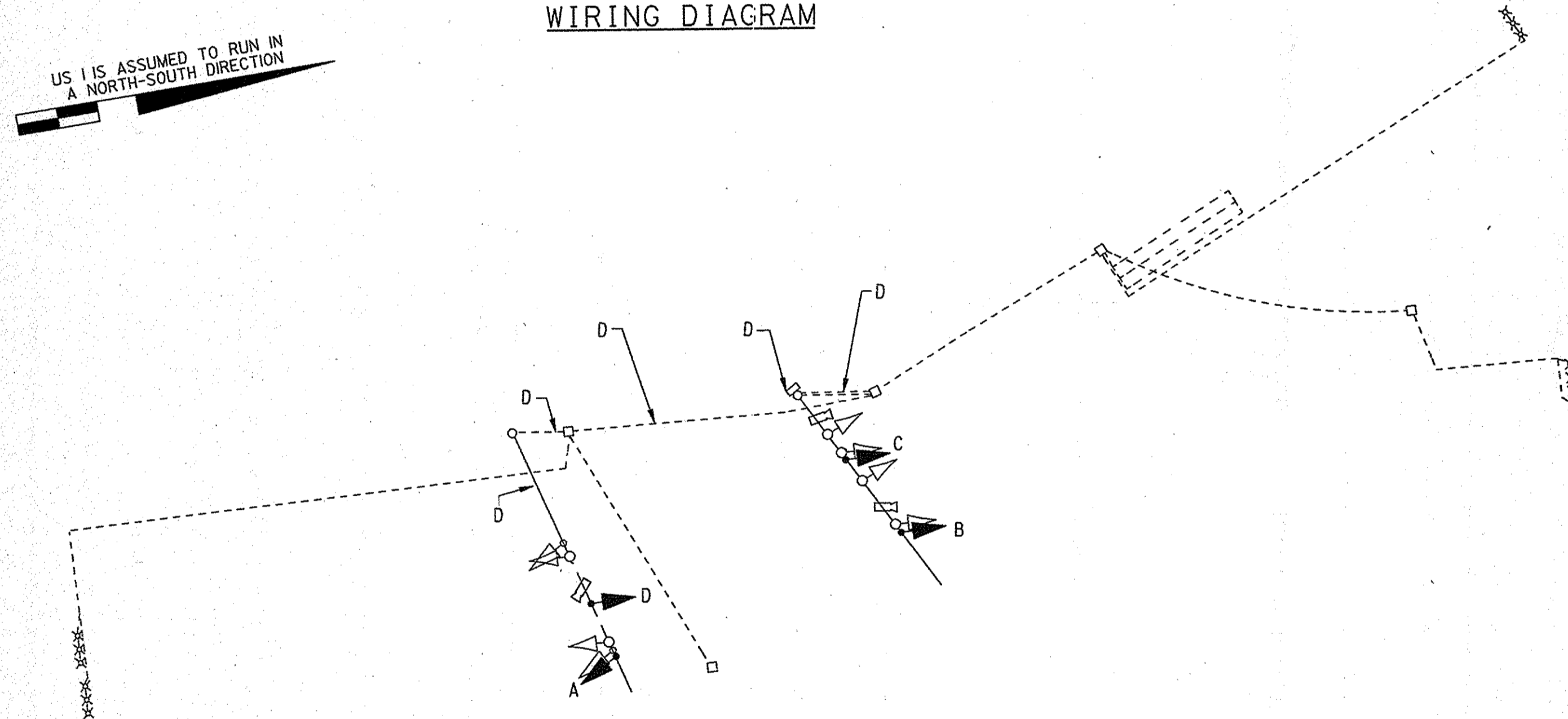
QUANTITY	UNIT	DESCRIPTION
39.5	SF	SHEET ALUMINUM SIGN TO CONSIST OF: EA R3-5R (36"x36") (TO BE REMOVED) EA R10-12 (36"x24") (TO BE REMOVED) 1- EA R3-2 (36"x24") (NEW SIGN, 36" X 36") EA R3-6 (36"x36") (TO BE REMOVED) EA R10-12 (36"x24") (TO BE REMOVED)
23	SF	FURNISH AND INSTALL SHEET ALUMINUM SIGN TO CONSIST OF: 1- EA D-301 DUAL FACE (12" X VARIABLE) ("Bradshaw RD / arrow") 1- EA D-301 DUAL FACE (12" X VARIABLE) ("Sunshine AVE / arrow") 1- EA SUPPLEMENTAL PANEL TO SIGN R3-2 (36"x12")
18	EA	FURNISH AND INSTALL LOUVERS
18	EA	FURNISH AND INSTALL 12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION POLYCARBONATE AND BLACK FACE
200	LF	FURNISH AND INSTALL ELECTRICAL CABLE, 7 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

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

WIRING DIAGRAM



WIRING KEY

A, B, C - USE EXISTING ELECTRICAL CABLE.
 D - NEW 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

NOTE:

EXCEPT FOR SIGNAL HEADS #1 AND 2, ALL THE REMAINING SIGNAL HEADS SHALL HAVE LOUVERS.

REDLINE REVISION NO. 1

SIGN & SIGNALS MODIFICATIONS
 SHA NO.: BA4025187
 11/21/2006

GENERAL INFORMATION SHEET

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. BA4025187	SEE TITLE SHEET	TS NO. 626 F
CHECKED BY: T.A.R.	S.H.A. NO.		SHEET NO.
SCALE: NO SCALE	COUNTY: BALTIMORE	T.I.M.S. NO. G372X	39 OF 59
DATE: 05-2004	LOG MILE: 0300012.68		

01TIMES
 00DATES
 00FILES