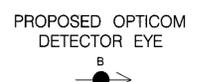
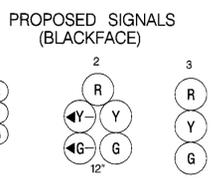
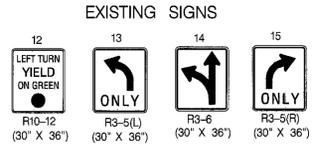
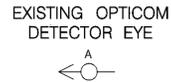
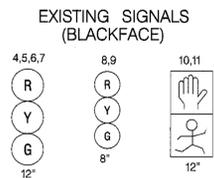
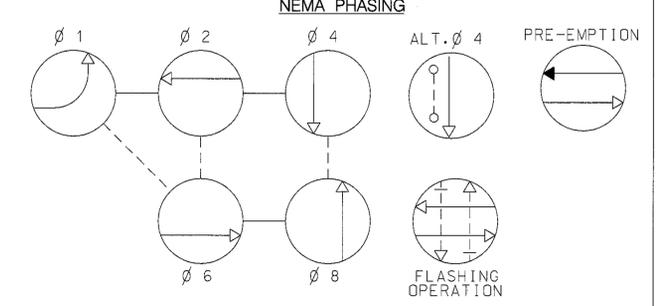


US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



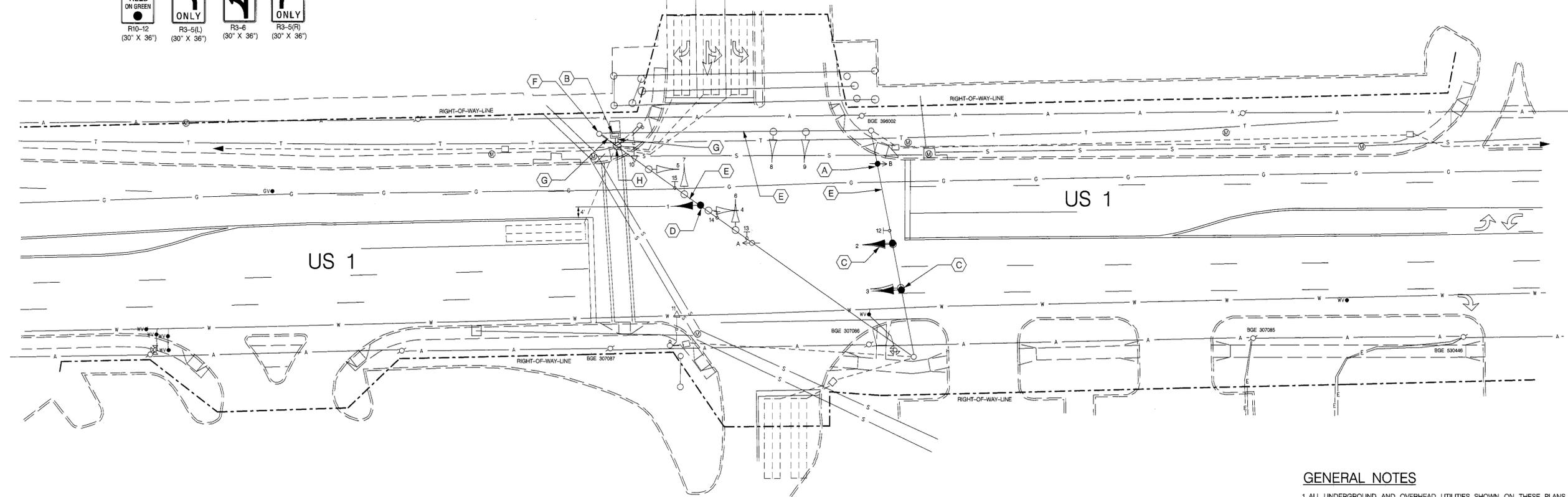
PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 & 6	<G-G	<G-G	G	R	R	R	R	R	R	R	DW	DW		
1 CHANGE	<Y-G	<Y-G	G	R	R	R	R	R	R	R	DW	DW		
PHASE 2 & 6	G	G	G	G	R	R	R	R	R	R	DW	DW		
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW		
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	G	DW	DW		
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW		
PHASE 4 ALT. & 8	R	R	R	R	R	G	G	G	G	G	WK	WK		
PED CLEAR	R	R	R	R	R	G	G	G	G	G	FL/DW	FL/DW		
4 ALT. & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW		
PRE-EMPTION	G	G	G	G	G	R	R	R	R	R	DW	DW		
CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW		
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK		



PHASING NOTES:
 1) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
 2) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

LAUREL MALL ENTRANCE



PROJECT DESCRIPTION
 THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 1 AND THE LAUREL MALL ENTRANCE IN PRINCE GEORGE'S COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
 THE INTERSECTION CURRENTLY OPERATES IN A FIVE-PHASE SEMI-ACTUATED MODE WITH AN EXISTING EXCLUSIVE PERMISSIVE LEFT TURN PHASE FOR NORTHBOUND US 1, AN ALTERNATE PEDESTRIAN PHASE ACROSS THE SOUTH LEG OF US 1 AND A PRE-EMPTION PHASE FOR NORTHBOUND US 1.

PROJECT CONSTRUCTION
 WORK WILL INCLUDE INSTALLING A SOUTHBOUND US 1 PRE-EMPTION PHASE AND BLACKFACE SIGNAL HEADS FOR N.B. US 1.

EQUIPMENT LIST "B"
 B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
 ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
8061	1 EA	FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE
8079	170 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM CABLE
8076	3 EA	FURNISH AND INSTALL 8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8077	10 EA	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8086	110 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 A.W.G.)

CONSTRUCTION DETAILS

- A. INSTALL OPTICOM DETECTOR EYE ON EXISTING SPAN WIRE AS SHOWN
- B. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
- C. REMOVE EXISTING SIGNAL HEAD AND INSTALL PROPOSED BLACKFACE SIGNAL HEAD ON EXISTING SPAN WIRE AS SHOWN. USE EXISTING WIRING
- D. INSTALL BLACKFACE SIGNAL HEAD ON EXISTING SPAN WIRE
- E. USE EXISTING SPAN WIRE
- F. USE EXISTING STRAIN POLE
- G. USE EXISTING CONDUIT
- H. USE EXISTING HANDHOLE

GENERAL NOTES

- 1. 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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- 2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL WORK.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 4. SEE THE GENERAL INFORMATION SHEET FOR WIRING DIAGRAM.
- 5. THE QUANTITIES SHOWN ON THIS SHEET ARE FOR THIS INTERSECTION ONLY. QUANTITIES FOR THE ENTIRE PROJECT ARE SUMMARIZED ON THE GENERAL INFORMATION SHEET.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.
 325 Gambrills Road
 Suite E
 Gambrills, MD 21054
 (410) 923-7101
 FAX (410) 923-6473 EMAIL: TRACONCEPT@AOL.COM

REVISIONS		APPROVALS	
D	INSTALL OPTICOM S.B. US 1, REPLACE SIGNAL HEADS TO BLACKFACE AND ADD NEARBY SIGNAL N.S. US 1 9/22/2004 SH# NO. AT6049185	JWS	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
C	REVISED DUE TO NEW GEOMETRICS AND PAVEMENT MARKINGS	JWS	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
B	REVISED DUE TO NEW DRIVE ON EASTSIDE	JWS	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A	REVISED POLE SIGNAL LOCATIONS DELETE ONE POLE	JWS	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 TRAFFIC SIGNAL PLAN
 US 1 AND LAUREL MALL ENTRANCE

DRAWN BY:	F.A.P. NO. N/A	TS NO. 1629D
CHECKED BY:	S.H.A. NO. P-586-501-385	SHEET NO.
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. G492
DATE:	LOG MILE: 16000113.38	7 OF 11