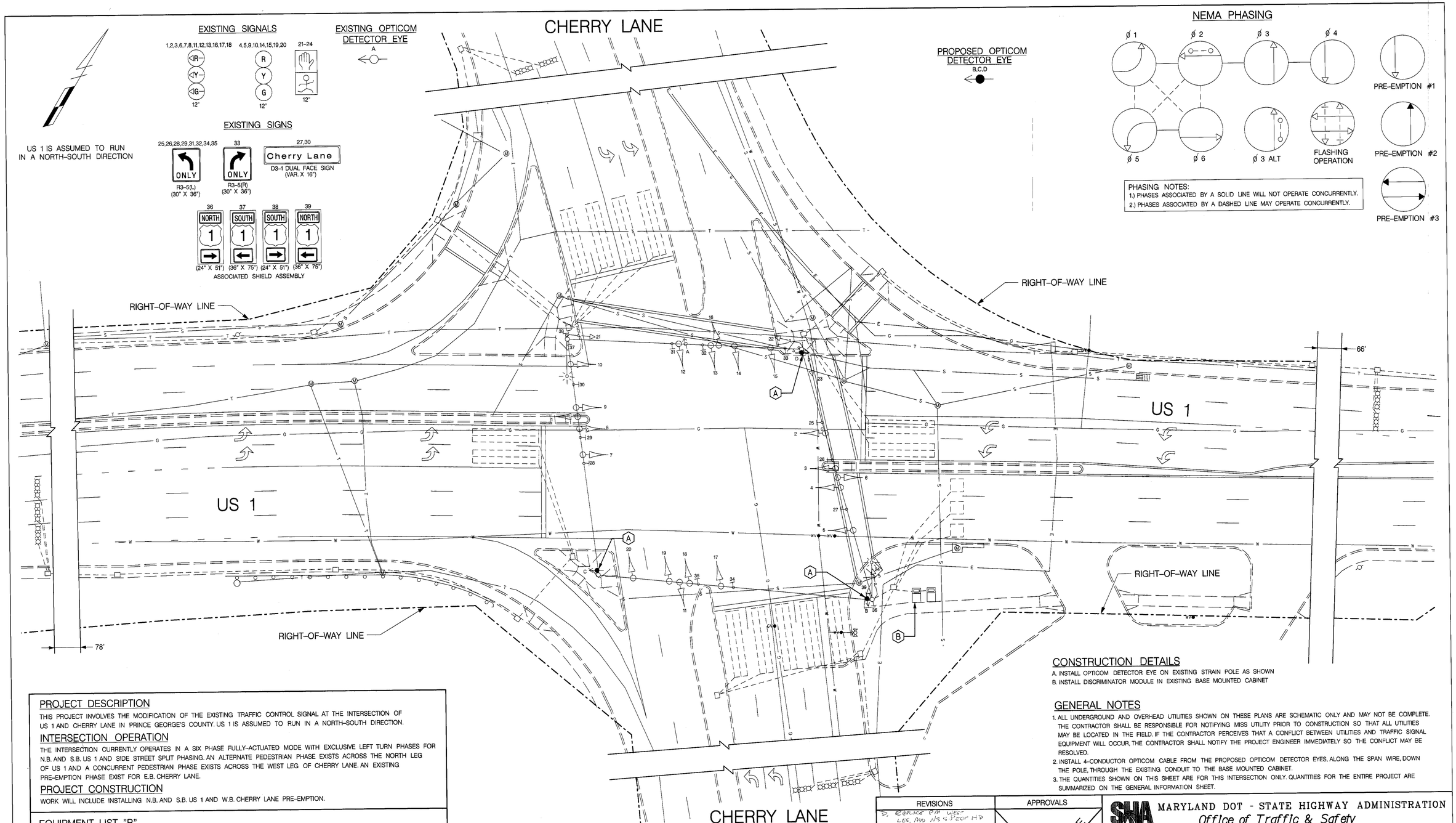

PROJECT DESCRIPTION

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

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A SIX PHASE FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR N.B. AND S.B. US 1 AND SIDE STREET SPLIT PHASING. AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE NORTH LEG OF US 1 AND A CONCURRENT PEDESTRIAN PHASE EXISTS ACROSS THE WEST LEG OF CHERRY LANE. AN EXISTING PRE-EMPTION PHASE EXIST FOR E.B. CHERRY LANE.

PROJECT CONSTRUCTION

WORK WILL INCLUDE INSTALLING N.B. AND S.B. US 1 AND W.B. CHERRY LANE PRE-EMPTION.

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
8059	1 EA	FURNISH AND INSTALL DISCRIMINATOR MODULE, 4 CHANNEL, NO. 76
8061	3 EA	FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE
8079	500 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM CABLE

CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR EYE ON EXISTING STRAIN POLE AS SHOWN
B. INSTALL DISCRIMINATOR MODULE IN EXISTING BASE MOUNTED CABINET

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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. INSTALL 4-CONDUCTOR OPTICOM CABLE FROM THE PROPOSED OPTICOM DETECTOR EYES, ALONG THE SPAN WIRE, DOWN THE POLE, THROUGH THE EXISTING CONDUIT TO THE BASE MOUNTED CABINET.
3. 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

D. REPLACE PM WEST LEG, ADD NB SPEDT MP 01/13
MBC
B. MOVING STR US 1 TO EXCL. LEFT TURN
MBC
A. ADDED STR LEFT TURN LANE SHA NO. PG2745184
AH | DJR | MAB | BRC | TH
C. INSTALL OPTICOM PRE-EMPTION
11-15-04 SHA NO. AT6045185
TMZ | DJR | MAB | BRC

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY
ORIGINAL ON FILE

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

DRAWN BY:	B. TYSON	F.A.P. NO.	N/A	TS NO. 1236 G	SHEET NO.
CHECKED BY:	W. GUCKERT	S.H.A. NO.	P 586-501-385		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO. G491	5 OF 8
DATE:	8-23-78	LOG MILE:	1600011285		

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