

PROJECT DESCRIPTION

I GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM TRAFFIC CONTROL AT THE INTERSECTION OF MD 150 AND BENGIES ROAD IN BALTIMORE COUNTY. MD 150 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

I INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, FULLY-ACTUATED MODE, WITH THE MD 150 APPROACHES OPERATING CONCURRENTLY. A PERMISSIVE PHASE IS PROVIDED FOR EASTBOUND MD 150. A PERMISSIVE PHASE IS PROVIDED FOR BENGIES ROAD. PEDESTRIAN SIGNALS ARE PROVIDED FOR MD 150 WEST OF THE INTERSECTION. OPTICOM PRE-EMPTION WILL BE PROVIDED FOR THE EASTBOUND APPROACH OF MD 150.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE STATE HIGHWAY ADMINISTRATION
ITEM NO. CAT. CODE NO. QUANTITY DESCRIPTION

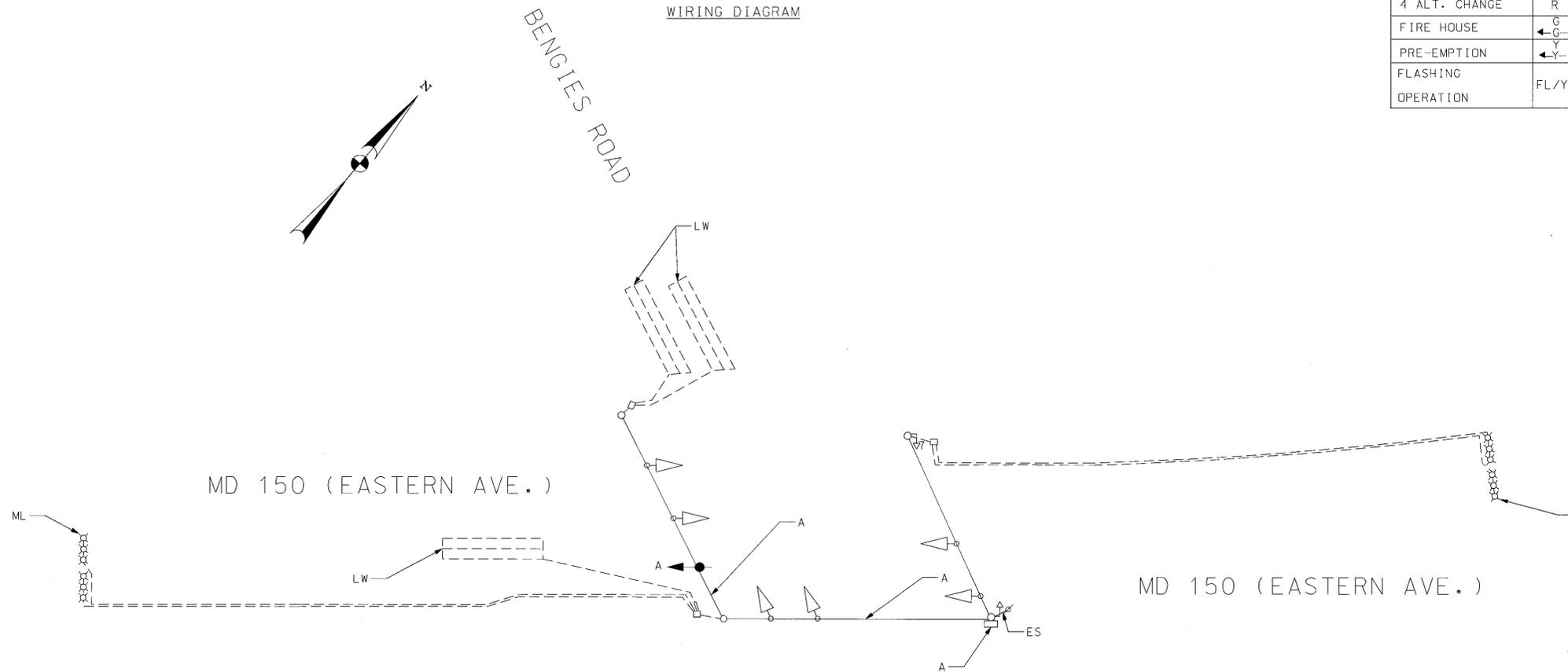
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR
ITEM NO. CAT. CODE NO. QUANTITY DESCRIPTION
1001 100000 1 EA MAINTENANCE OF TRAFFIC
8016 800000 1 EA FURNISH AND INSTALL DISCRIMINATOR MODULE-4 CHANNEL
8018 800000 1 EA FURNISH AND INSTALL 3M OPTICOM #721 DETECTOR EYE
8056 800000 65 LF FURNISH AND INSTALL 4-CONDUCTOR OPTICOM DETECTOR CABLE

C. MATERIAL TO BE REMOVED AND RETURNED TO THE STATE HIGHWAY ADMINISTRATION
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

PHASING CHART

	1	2	3	4	5	6	7-8
PHAS 1 + 6	G	G	R	R	R	R	DW
1 + 6 CHANGE	G	G	R	R	R	R	DW
PHASE 2 + 6	G	G	G	G	R	R	DW
2 + 6 CHANGE	Y	Y	Y	Y	R	R	DW
PHASE 4	R	R	R	R	G	G	DW
4 CHANGE	R	R	R	R	Y	Y	DW
PHASE 4 ALT.	R	R	R	R	G	G	WK
PED CLEAR	R	R	R	R	G	G	FL/DW
4 ALT. CHANGE	R	R	R	R	Y	Y	DW
FIRE HOUSE	G	G	R	R	R	R	DW
PRE-EMPTION	Y	Y	R	R	R	R	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK

WIRING DIAGRAM



WIRING KEY

- A - 4-CONDUCTOR OPTICOM DETECTOR CABLE
- LW - LOOP WIRE
- ML - MICOR LOOP PROBE SET
- ES - EXISTING SERVICE

PROJECT CONTACTS

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-321-2781

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-321-2761

MRS. SUENETTE POPE
ASSISTANT DISTRICT ENGINEER - UTILITY
410-321-2841

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF - TRAFFIC OPERATIONS DIVISION
410-787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
410-787-7652

THE POWER COMPANY REPRESENTATIVE IS:

BALTIMORE GAS AND ELECTRIC (BGE)
SUE GEISLER
410-859-9334

REVISIONS

NO.	DATE	DESCRIPTION

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
GENERATION INFORMATION SHEET

MD 150 (EASTERN BOULEVARD) AND BENGIES ROAD
BALTIMORE, MARYLAND

CE
CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

DESIGNED BY: COD	F.A.P. NO.	TS NO.
CHECKED BY: TMH	S.H.A. NO. XX10633ES	1487F
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. F487
DATE: 7/2003	LOG MILE: 03015008.01	SHEET NO. 12 OF 14