EXISTING SIGNALS & SIGNS

1,2,5-7 — 12" (LED)
3 — 12"/8" (LED)
4 — 12" LED
8a — Lynbrook RD
8b — Lynbrook RD — 0-311; DUAL FACED (VAR.X16")
9 — ONLY — R3-511; 30" X 36"
10 — Eastern BLVD — D-311; (VAR.X16")
11 — R3-64(MOD); 108" X 36"; SEE SIGN DETAIL "A"
12,13 — NEW — R3-3; 36" X 36" W/36"X 9" PANEL (12" X 24") AND FLAGS
14,15 — VIDEO DETECTION CAMERA

PROPOSED OPTICOM

16 — OPTICOM DETECTOR EYE

MD 150 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EQUIPMENT LIST

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

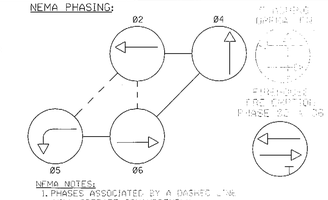
ITEM NO.	QUANTITY	DESCRIPTION
* 8006	1 EACH	F & I 3M OPTICOM 4 CHANNEL DISCRIMINATOR MODULE
8023	75 L.F.	F & I 4 CONDUCTOR OPTICOM DETECTOR CABLE
8049	1 EACH	F & I OPTICOM NO. 721 DETECTOR EYE

* - TO BE INSTALLED BY THE SHA SIGNAL SHOP

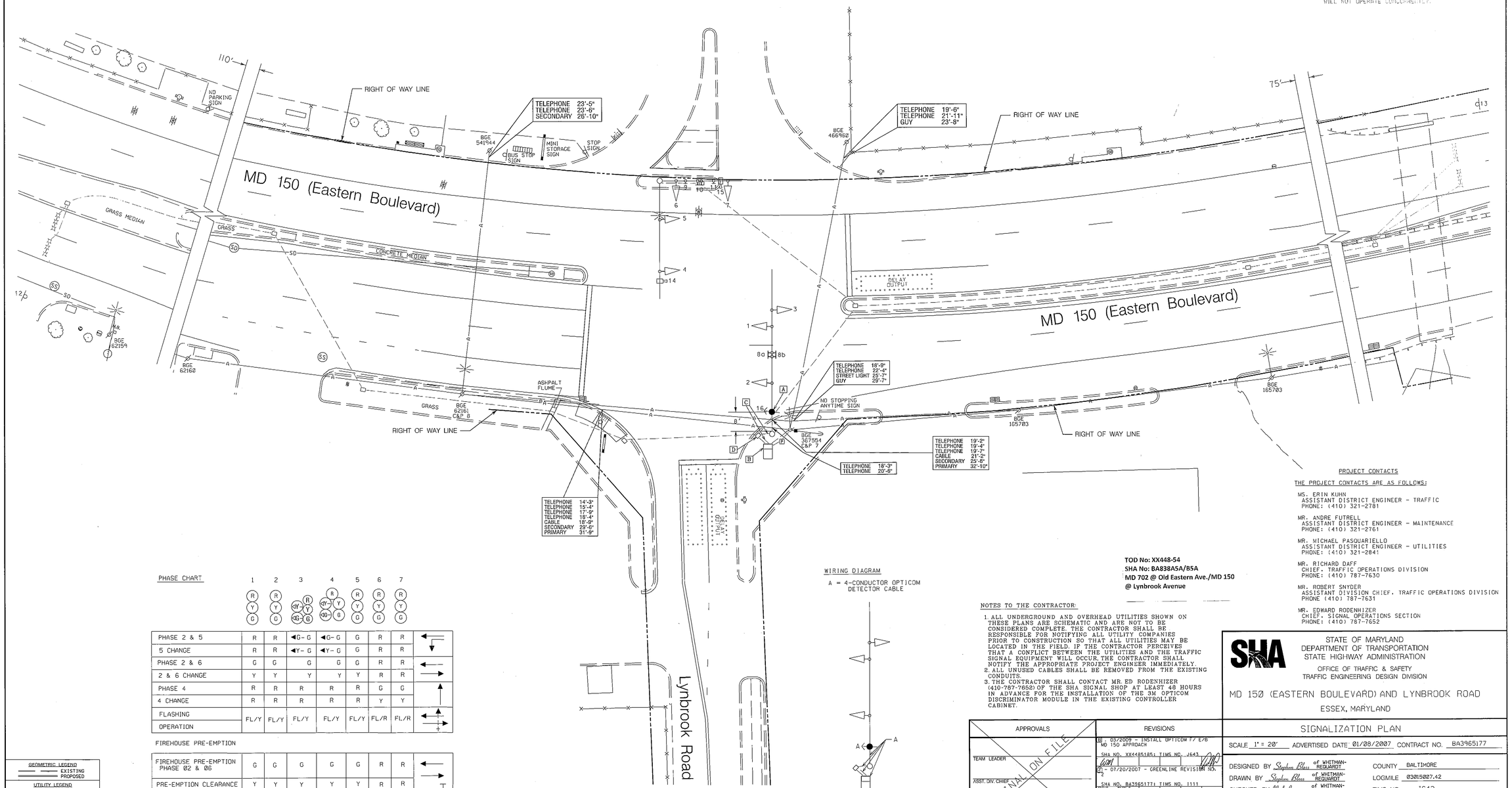
CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED OPTICOM ON THE EXISTING MAST ARM.
B. THE SHA SIGNAL SHOP TO INSTALL THE PROPOSED DISCRIMINATOR MODULE INTO THE EXISTING CABINET.
C. USE THE EXISTING CONDUIT.
D. USE THE EXISTING HANDHOLE.

NEMA PHASING:



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



PHASE CHART

	1	2	3	4	5	6	7	
PHASE 2 & 5	R	R	◄G-G	◄G-G	G	R	R	←↓
5 CHANGE	R	R	◄Y-G	◄Y-G	G	R	R	
PHASE 2 & 6	G	G	G	G	G	R	R	←
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	→
PHASE 4	R	R	R	R	R	G	G	↑
4 CHANGE	R	R	R	R	R	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	←↑ / →↑

FIREHOUSE PRE-EMPTION

FIREHOUSE PRE-EMPTION PHASE 02 & 06	G	G	G	G	G	R	R	← →
PRE-EMPTION CLEARANCE	Y	Y	Y	Y	Y	R	R	T
NORMAL OPERATION PHASE 02 & 06	G	G	G	G	G	R	R	← →

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

WIRING DIAGRAM

A = 4-CONDUCTOR OPTICOM DETECTOR CABLE

TOD No: XX448-54
SHA No: BA838A5A/B5A
MD 702 @ Old Eastern Ave./MD 150
@ Lynbrook Avenue

NOTES TO THE CONTRACTOR:

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS.
3. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER (410-787-7652) OF THE SHA SIGNAL SHOP AT LEAST 48 HOURS IN ADVANCE FOR THE INSTALLATION OF THE 3M OPTICOM DISCRIMINATOR MODULE IN THE EXISTING CONTROLLER CABINET.

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. MICHAEL PASQUARIELLO
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 321-2841

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 150 (EASTERN BOULEVARD) AND LYNBROOK ROAD
ESSEX, MARYLAND

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
B. 03/2009 - INSTALL OPTICOM FF E/B MD 150 APPROACH
SHA NO. XX448518A TIMS NO. J643
1. 07/20/2007 - GREENLINE REVISION NO. 2
SHA NO. BA3965177A TIMS NO. 1111
A. 01/25/2007 - ADDENDUM NO. 1 MODIFIED LYNBROOK SIGNAL APPROACH
SHA NO. BA3965177A TIMS NO. 1111

SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 01/08/2007 CONTRACT NO. BA3965177

DESIGNED BY Stephen Bless of WHITMAN-REQUARDT
DRAWN BY Stephen Bless of WHITMAN-REQUARDT
CHECKED BY Neil Leary of WHITMAN-REQUARDT
F.A.P. NO.
COUNTY BALTIMORE
LOGMILE 03015027.42
TIMS NO. J643
TOD NO.

TS NO. 4522 B | DRAWING 1 OF 1 | SHEET NO. OF