

MD 256 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS
TO BE REMOVED

10
LEFT TURN
YIELD
ON GREEN
R10-12
(24 X 30)

EXISTING SIGNS

8, 12
FRANKLIN MANOR RD

9, 11
FRANKLIN MANOR RD

13
WEST 256 EAST

14

15

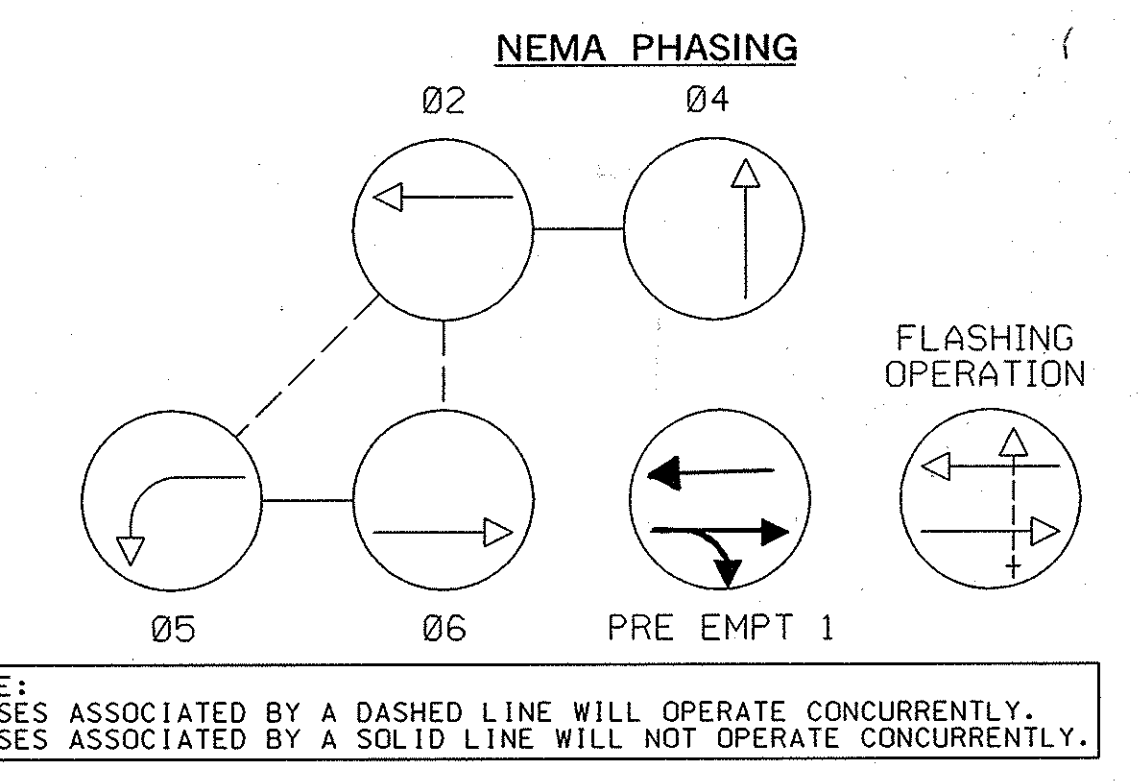
PROPOSED SIGNALS

OPTICOM DETECTOR EYE

EXISTING SIGNALS

1, 2, 5, 6, 7
3
4

12"
12" / 8"
12"



AERIAL CABLE DETAIL

PRIMARY 28' 0"
SECONDARY 22' 0"
FIBER 18' 9"

GRADE

AERIAL CABLE DETAIL

CABLE 24' 10"
TELEPHONE 22' 8"
TELEPHONE 22' 3"

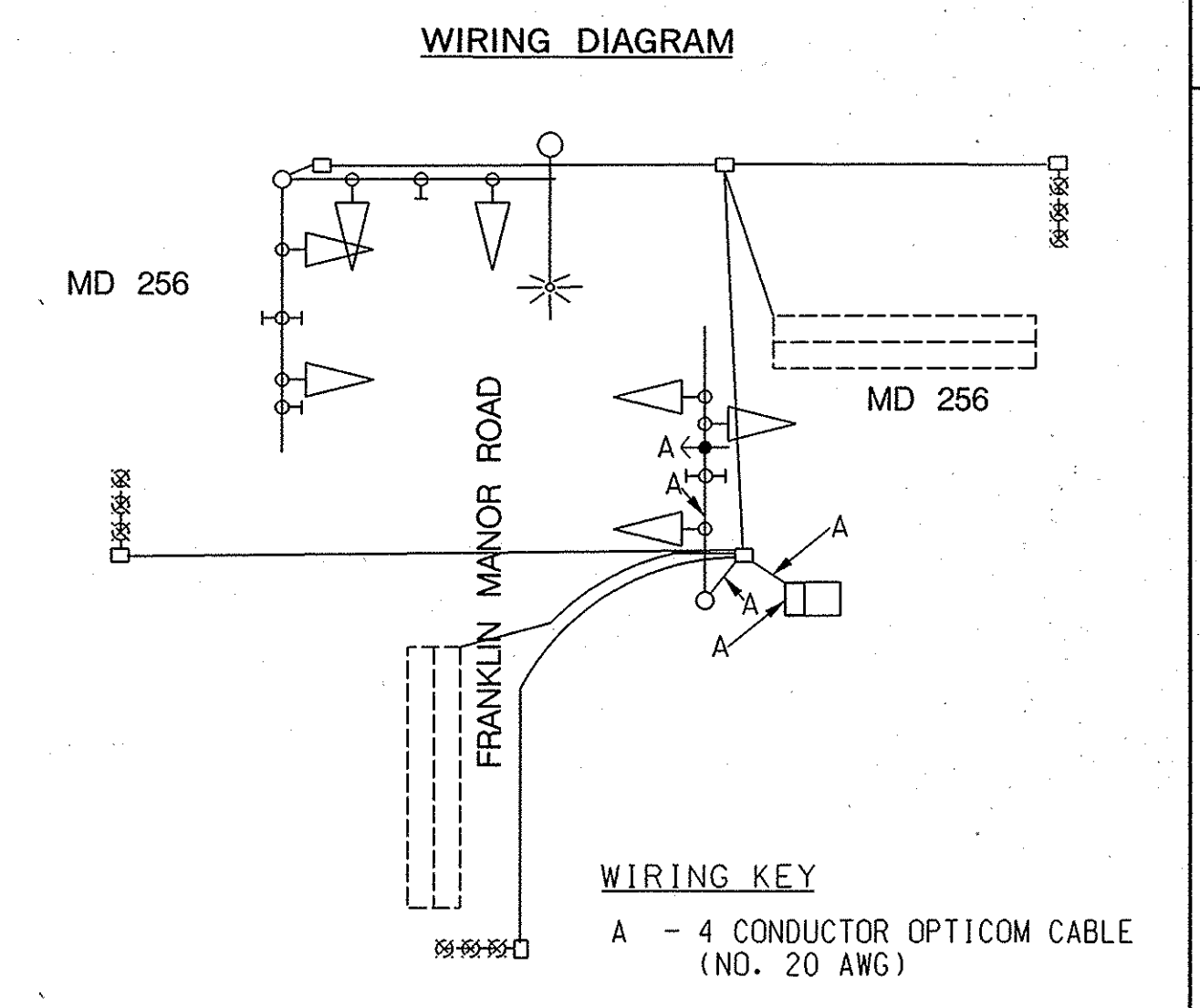
GRADE

PHASING SEQUENCE CHART

PHASE 2 AND 6	G	G	G	G	G	R	R	
2 + 6 CHANGE	Y	Y	G	G	G	R	R	
PHASE 2 AND 5	R	R	+GG	+GG	G	R	R	
2 + 5 CHANGE	R	R	+YY	+YY	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	

EMERGENCY VEHICLE PREEMPTION

PRE EMPT 1	G	G	G	G	G	R	R	
PHASE 2 + 6 NORMAL OPERATION	G	G	G	G	G	R	R	



PROJECT DESCRIPTION

1. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN OPTICOM DETECTOR ON THE NORTHBOUND APPROACH OF MD 256 IN ANNE ARUNDEL COUNTY.

MD 256 RUNS IN A NORTH-SOUTH DIRECTION.

2. OPERATION

THE OPTICOM DETECTOR WILL PROVIDE EMERGENCY VEHICLE PREEMPTION.

PROJECT CONTACTS

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MR. JOHN MAYS
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MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
PHONE: 410-787-7631

CONSTRUCTION DETAILS

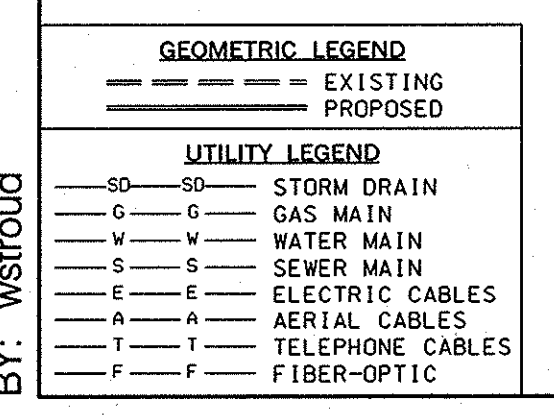
- (A) INSTALL OPTICOM DETECTOR EYE ONTO EXISTING MAST ARM AS SHOWN.
- (B) USE EXISTING MAST ARM.
- (C) USE EXISTING POLE.
- (D) USE EXISTING CONDUIT.
- (E) USE EXISTING ELECTRICAL HANDHOLE.
- (F) INSTALL OPTICOM DISCRIMINATOR MODULE INTO EXISTING BASE MOUNTED CABINET.
- (G) REMOVE EXISTING SIGN.

EQUIPMENT LIST "A"

EQUIPMENT TO BE FURNISHED BY THE SHA.
THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

EQUIPMENT LIST "B"

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8005	1 EA	3M OPTICOM DISCRIMINATOR MODULE, 4 CHANNEL #764
8021	72 LF	4 CONDUCTOR OPTICOM DETECTOR CABLE (NO. 20 AWG).
8048	1 EA	OPTICOM #721 DETECTOR EYE.



Edwards
and Kelcey

5523 Research Park Drive
Suite 110
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410-747-3420

APPROVALS

REVISIONS

5/1/2007
INSTALLATION OF OPTICOM
DETECTOR SHA #365185

HD | AP | 105
9/3/2002

MODIFIED MAST ARM

BAM

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 256 AT FRANKLIN MANOR ROAD

INSTALLATION OF OPTICOM DETECTOR EMERGENCY VEHICLE PREEMPTION

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 9/3/2002 CONTRACT NO. XX1065485

DESIGNED BY
DRAWN BY B. MARTINE
CHECKED BY N. LEARY
FAP NO.

COUNTY ANNE ARUNDEL
LOGMILE 02025804.47
TIMS NO. 1257
TOD NO.

TS NO. 4167 B DRAWING TS-1 OF 1 SHEET NO. 1 OF 1

PLOTTED: Tuesday, July 10, 2007 AT 11:01 AM
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