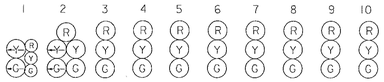
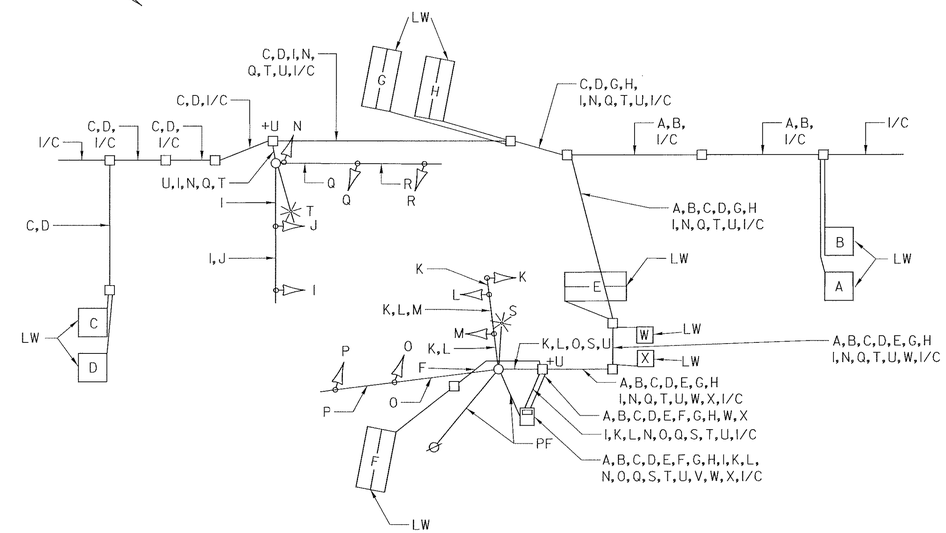


PHASE 2+5	G	G	G	R	R	R	R	R	R	R
2+5 CHANGE	Y	Y	G	R	R	R	R	R	R	R
PHASE 2+6	G	G	G	G	G	R	R	R	R	R
2+6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R
PHASE 4+8	R	R	R	R	R	G	G	G	G	G
4+8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. CHARLIE WATKINS
DISTRICT ENGINEER
PHONE: (301) 513-7311

MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
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CHIEF, TRAFFIC OPERATIONS DIVISION
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THE POWER COMPANY REPRESENTATIVE IS:
BALTIMORE GAS AND ELECTRIC COMPANY
MR. JOSEPH G. BUNCH
SUPERVISOR
INDUSTRIAL/COMMERCIAL SERVICES
NEW BUSINESS CONSTRUCTION
PHONE: (410) 859-9030

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC SIGNAL AT MD 197 AND B/W PARKWAY NORTHBOUND RAMP (RAMP C-1) IN PRINCE GEORGE'S COUNTY. MD 197 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION.

INTERSECTION OPERATION

1. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA (5) FIVE-PHASE FULL-TRAFFIC-ACTUATED MODE WITH SOUTHBOUND AND NORTHBOUND MARYLAND 197 APPROACHES OPERATING CONCURRENTLY. THE RAMP FROM B/W PARKWAY AND SNOWDON ROAD APPROACHES WILL OPERATE CONCURRENTLY. EXCLUSIVE LEFT TURN WILL BE PROVIDED FOR MD 197 SOUTHBOUND.

CONTROLLER REQUIREMENTS:

A FULL - TRAFFIC - ACTUATED - EIGHT- PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE - MOUNTED SYSTEM READY CABINET WITH THREE (3) FOUR - CHANNEL LOOP DETECTOR AMPLIFIERS WILL BE INSTALLED AT THIS INTERSECTION.

MAINTENANCE OF TRAFFIC

THE TRAFFIC CONTROL NUMBERS SHALL BE REFERENCED FOR THE PROJECT

STANDARD NO. MD-105.00
STANDARD NO. MD-105.01
STANDARD NO. MD-105.02
STANDARD NO. MD-105.101 (FLAGGING OPERATION)
STANDARD NO. MD-105.103 (INTERSECTION FLAGGING OPERATION)
STANDARD NO. MD-105.105 (SHOULDER WORK)
STANDARD NO. MD-105.107 (LANE SHIFT)
STANDARD NO. MD-105.109 (LANE SHIFT)
NOTE: STANDARDS TO BE MODIFIED BY REPLACING W21-5 SIGN WITH A W29-1 SIGN (ROAD WORK AHEAD).

WIRING KEY

A,B,C,D, E,F,G,H, W,X } 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)

S,T } 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)

J,M,P,R } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

I,K,L,N,O,Q } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

U } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

V } 3-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)

LW - LOOP WIRE (NO. 14 A.W.G.)

PF - POWER FEED (NO. 4 A.W.G.)

+ - ¾IN. x 10 FT. GROUND ROD

I/C - 12 PAIR COMMUNICATION CABLE, JELLY FILLED

ADDENDUM

FINAL SIGNAL PLAN

SS-25

RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TEL: (410) 728-2900 FAX: (410) 383-3270

REVISIONS:

(B) February, 1999 Reconstruct Due To New Geometrics. SHA No.: N/A

APPROVALS:

CHIEF SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER TRAFFIC

CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 160197II.69

DRAWN BY: SMH
DES. BY: SMH/DLA
CHK. BY: BJH

MD 197 AT SNOWDEN RD/RAMP C-1
SIGNAL PLAN
COUNTY: PRINCE GEORGE'S

DATE: FEBRUARY, 1999 F.A.P. NO. SEE TITLE SHEET
SCALE: N/A S.H.A. NO. N/A

TS/STD. NO.: 3582B-GI1

SHEET NO. 1260 OF 367

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