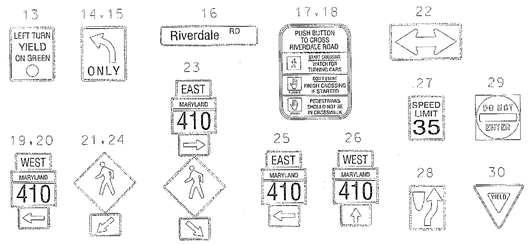
MD 410 IS ASSUMED TO RUN IN A EAST / WEST DIRECTION

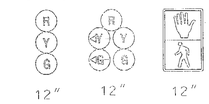
EXISTING SIGNS



AERIAL CABLE DETAIL

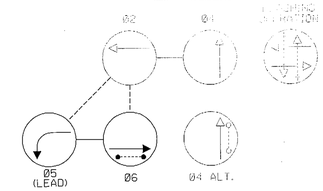
PRIMARY	50'+
SECONDARY	42'
CABLE	25' 7"
TELEPHONE	23' 7"
	GRADE

EXISTING SIGNALS

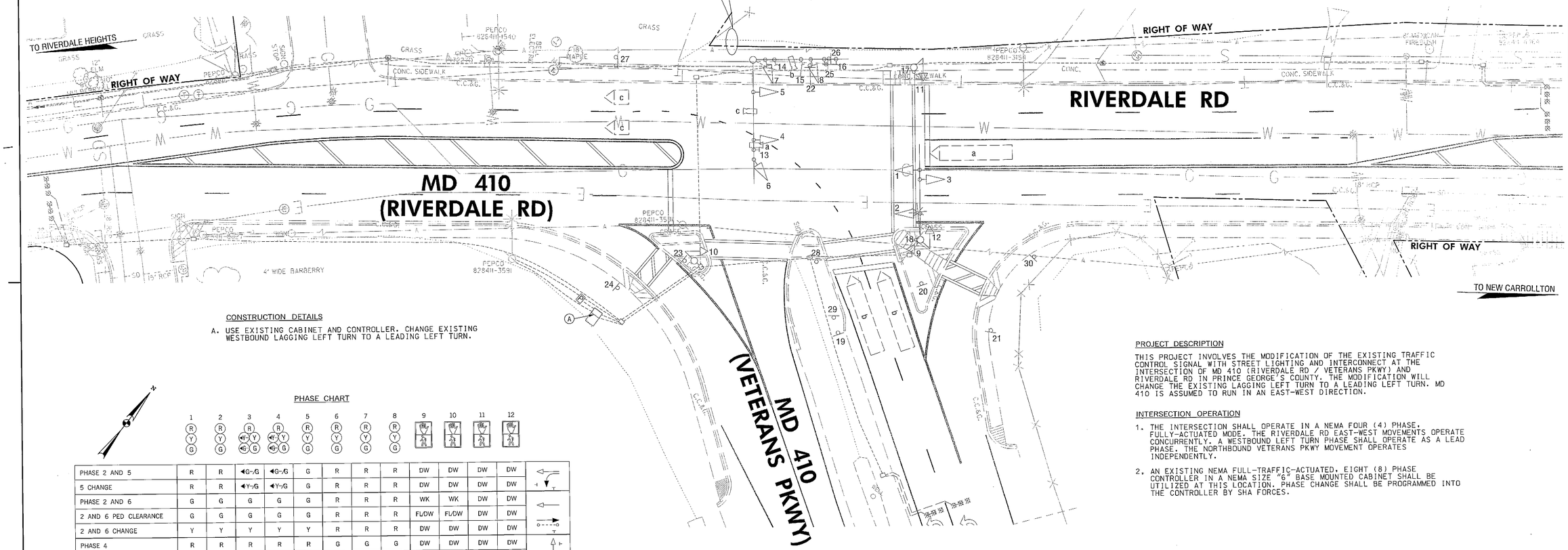


EXISTING VIDEO DETECTION

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. USE EXISTING CABINET AND CONTROLLER. CHANGE EXISTING WESTBOUND LAGGING LEFT TURN TO A LEADING LEFT TURN.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 AND 5	R	R	◀G~/G	◀G~/G	G	R	R	R	DW	DW	DW	DW
5 CHANGE	R	R	◀Y~/G	◀Y~/G	G	R	R	R	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	R	R	R	WK	WK	DW	DW
2 AND 6 PED CLEARANCE	G	G	G	G	G	R	R	R	FL/DW	FL/DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	G	G	G	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	G	G	G	DW	DW	WK	WK
4 PED CLEARANCE	R	R	R	R	R	G	G	G	DW	DW	FL/DW	FL/DW
4 CHANGE	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL WITH STREET LIGHTING AND INTERCONNECT AT THE INTERSECTION OF MD 410 (RIVERDALE RD / VETERANS PKWY) AND RIVERDALE RD IN PRINCE GEORGE'S COUNTY. THE MODIFICATION WILL CHANGE THE EXISTING LAGGING LEFT TURN TO A LEADING LEFT TURN. MD 410 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

1. THE INTERSECTION SHALL OPERATE IN A NEMA FOUR (4) PHASE, FULLY-ACTUATED MODE. THE RIVERDALE RD EAST-WEST MOVEMENTS OPERATE CONCURRENTLY. A WESTBOUND LEFT TURN PHASE SHALL OPERATE AS A LEAD PHASE. THE NORTHBOUND VETERANS PKWY MOVEMENT OPERATES INDEPENDENTLY.
2. AN EXISTING NEMA FULL-TRAFFIC-ACTUATED, EIGHT (8) PHASE CONTROLLER IN A NEMA SIZE "6" BASE MOUNTED CABINET SHALL BE UTILIZED AT THIS LOCATION. PHASE CHANGE SHALL BE PROGRAMMED INTO THE CONTROLLER BY SHA FORCES.

GENERAL NOTES

1. NO EQUIPMENT SHALL BE INSTALLED OR REMOVED AS PART OF THIS PROJECT. SHA SIGNAL SHOP FORCES SHALL REPROGRAM SIGNAL CONTROLLER AS SHOWN.
2. NO CHANGES SHALL BE MADE TO EXISTING WIRING. SEE PREVIOUS REVISION FOR WIRING DIAGRAM.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES
FIBER-OPTIC

BY: mfukui

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

REVISIONS

C. PHASE CHANGE
WB EP LAG CHANGED TO EP LEAD
AX108AS1 TIMS# K677 3/3/2011
BLT | TAJ | DB | MLE | 10/07 | T.H.

B. SIGNAL RECONSTRUCTION
PG4775176 TIMS# G460 1/10/2005
SMJ

A. ADD EP TO WB RIVERDALE RD LAG LEFT
6/1994
BCL | JKD | DMF | | CJP | BEK

PLOTTED: Friday, February 18, 2011 AT 05:13 PM
FILE: J:\DATA\K677\Plans\pSG-P001_MD410 @ Riverdale.dgn

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

MD 410 AT RIVERDALE RD
PHASE CHANGE
BLADENSBURG, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE JUNE 2, 1988 CONTRACT NO. P-899-201-371

DESIGNED BY R. RAMOS
DRAWN BY R.M. LEE
CHECKED BY
F.A.P. NO.

COUNTY PRINCE GEORGE'S
LOGMILE 16041005.37
TIMS NO.
TOD NO.

TS NO. 2443C | DRAWING SG-01 OF 01 | SHEET NO. 1 OF 1