BORDER REV: DATE: June 1, 2009

DRILL HOLES

DRILL HOLES

DRILL HOLES

BY: FANUSZEWSKI

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES PROVIDING EXCLUSIVE / PERMISSIVE LEFT TURN PHASES FOR NORTH AND SOUTH BOUND MD 27 AND WATERSVILLE ROAD IN CARROLL COUNTY. VIDEO DETECTION WILL ALSO BE PROVIDED FOR THE LEFT TURN AND SIDE ROAD MOVEMENTS. MD 27 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE EXISTING SIGNAL PHASING WILL MODIFIED TO ACCOMIDATE THE EXCLUSIVE/PERMISSIVE LEFT TURN.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CONTROLLER, MICROLOOP PROBES, LOOP DETECTOR AMPLIFERS AND ASSOCIATED HARNESSES WILL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL PROGRAM THE VIDEO DETECTION ZONES.

THE CONTACT PERSONS FOR ARE AS FOLLOWS:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: 301-624-8140

Ms. Andrea Abend
Assistant District Engineer - Utility
Phone: 301-624-8115

Ms. Susan Palmer
Assistant District Engineer - Maintenance
Phone: 301-624-8105

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Edward Rodenhizer
Chief, SHA Traffic Signal Shop
Phone: 410-787-7650

EQUIPMENT LIST 'A'

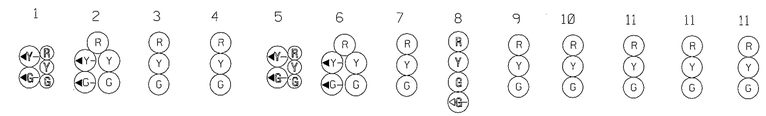
EQUIPMENT TO BE FURNISHED BY THE SHA.

CAT CODE	QUANTITY	DESCRIPTION
	NONE	

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM #	QUANTITY	DESCRIPTION
1003	1 LS	MAINTENANCE OF TRAFFIC
8001	36 EA	12" TRAFFIC LED SIGNAL SECTION
8004	6 EA	8" TRAFFIC LED SIGNAL SECTION
8024	1 EA	REMOVE AND DISPOSE OF EQUIPMENT
8054	420 LF	7 CONDUCTOR ELECTRICAL CABLE (No.14AWG)

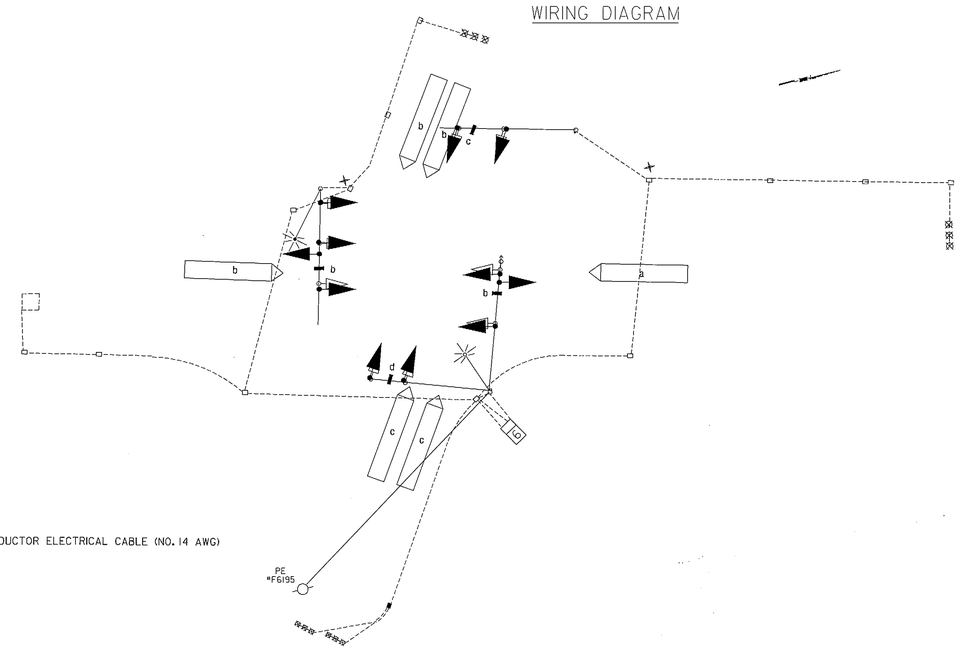


	1	2	3	4	5	6	7	8	9	10	11	11	11
Phase 1 & 5	◀G- R	◀G- R	R	R	◀G- R	◀G- R	R	R	R	R	R	R	R
1 & 5 Change	PHASES 1 & 5 MAY CHANGE TO PHASES 1 & 6, 2 & 5, OR PHASES 2 & 6												
Phase 1 & 6	◀G- G	◀G- G	G	G	G	R	R	R	R	R	R	R	R
1 Change	◀Y- G	◀Y- G	G	G	Y	R	R	R	R	R	R	R	R
Phase 2 & 5	R	R	R	R	◀G- G	◀G- G	G	R	R	R	R	R	R
5 Change	R	R	R	R	◀Y- G	◀Y- G	G	R	R	R	R	R	R
Phase 2 & 6	G	G	G	G	G	G	G	R	R	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
Phase 4 & 8	R	R	R	R	R	R	R	G	G	G	G	G	G
4 & 8 Change	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
4 & 8 Alt.	R	R	R	R	R	R	R	G	G	G	G	G	G
Ped. Clear	R	R	R	R	R	R	R	G	G	G	G	G	G
4 & 8 Alt. Change	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

FIRE HOUSE PRE-EMPTION

Firehouse Pre-Emption Phase 8	R	R	R	R	R	R	R	G/◀G-	G	R	R	R	R
Pre-Emption Clearance	R	R	R	R	R	R	R	Y	Y	R	R	R	R

WIRING DIAGRAM



A/B 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

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

MD 27 (RIDGE ROAD) AND WATERSVILLE ROAD

GENERAL INFORMATION

SCALE NONE DATE 2/2011 CONTRACT NO. XX3545168

DESIGNED BY FJA
DRAWN BY FJA
CHECKED BY
F.A.P. NO.

COUNTY CARROLL
LOGMILE 06002702.32
T.I.M.S. NO. J714
TOD NO.

TS# 2466E-GI | DRAWING NO. | SHEET NO. 2 OF 2

PLOTTED: FRIDAY, MARCH 09, 2012 01:
FILE: J714GGDP.DGN