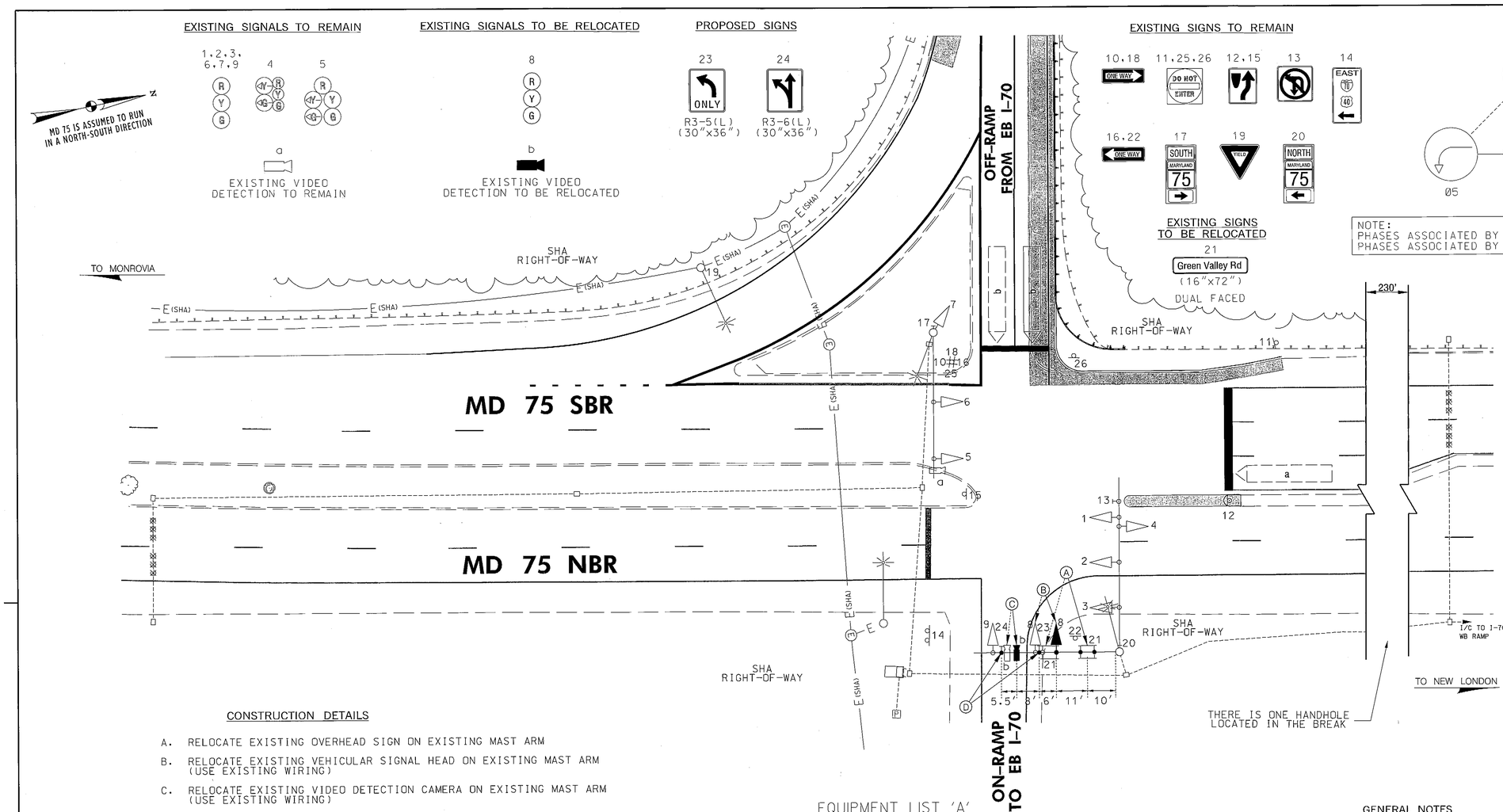
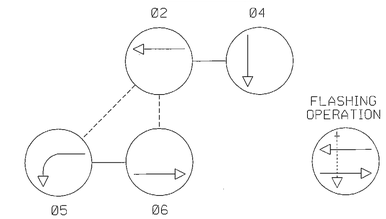


NEMA PHASING



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

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE RELOCATION OF AN EXISTING SIGNAL HEAD, OVERHEAD SIGN AND VIDEO DETECTION CAMERA AND THE INSTALLATION OF OVERHEAD LANE USE SIGNS DUE TO THE WIDENING OF THE OFF-RAMP FROM EASTBOUND I-70 AT THE INTERSECTION OF MD 75 AND THE EASTBOUND I-70 RAMP IN FREDERICK COUNTY.
MD 75 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE/PERMISSIVE PHASING FOR THE SOUTHBOUND DIRECTION.

THE CONTACT PERSONS FOR DISTRICT #7 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

Mr. Ray Johnson
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 Signal Shop
Phone: 410-787-7652

Mr. Bob Snyder
Traffic Operations Division
Phone: 410-787-7630

The Power Company Representative is:
Baltimore Gas and Electric Company
7317 Parkway Drive South
Hanover, MD 21076
Phone: 410-859-9062

CONSTRUCTION DETAILS

A. RELOCATE EXISTING OVERHEAD SIGN ON EXISTING MAST ARM

B. RELOCATE EXISTING VEHICULAR SIGNAL HEAD ON EXISTING MAST ARM (USE EXISTING WIRING)

C. RELOCATE EXISTING VIDEO DETECTION CAMERA ON EXISTING MAST ARM (USE EXISTING WIRING)

D. INSTALL PROPOSED OVERHEAD SIGN ON EXISTING MAST ARM.

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
973023	15 SF	SHEET ALUMINUM SIGNS
		1 EA - R3-5(L) (30 IN. x 36 IN.) - MAST ARM MOUNTED
		1 EA - R3-6(L) (30 IN. x 36 IN.) - MAST ARM MOUNTED

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
800000	1 EA	RELOCATE EXISTING VIDEO DETECTION CAMERA
813006	8 SF	RELOCATE SIGNS FROM EXISTING OVERHEAD STRUCTURES
813015	15 SF	INSTALL OVERHEAD SIGN
860265	1 EA	RELOCATE EXISTING SIGNAL HEAD

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO.	QUANTITY	DESCRIPTION
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.		

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
2. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS.
3. ALL DIMENSIONS SHOWN ARE FOR FINAL PROPOSED LOCATIONS.

PHASE CHART

	1	2	3	4	5	6	7	8	9
PHASE 2 + 5	R	R	R	←G/G	←G/G	G	R	R	R
2 + 5 CHANGE	R	R	R	←Y/G	←Y/G	G	R	R	R
PHASE 2 + 6	G	G	G	G	G	G	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R
PHASE 4	R	R	R	R	R	R	G	G	G
4 CHANGE	R	R	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/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

BY: syoung2

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

MD 75 (GREEN VALLEY ROAD) AT EASTBOUND I-70 RAMPS
NEW MARKET, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 11/17/06 CONTRACT NO.

DESIGNED BY DPM,LV
DRAWN BY DPN,PS
CHECKED BY CT
F.A.P. NO. N/A
COUNTY FREDERICK
LOGMILE 10007508.02
TIMS NO. K013
TOD NO. N/A

TS NO. 4499B | DRAWING SG-01 OF 01 | SHEET NO. 10 OF 27

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

REVISIONS
(8) SHIFT SIGNAL/VIDEO/SIGN AND INSTALL LANE USE CONTROL SIGNS FOR OFF RAMP WIDENING SHA MD 75 EB I-70 RAMP — SDY 03/10 SDY 11/06 TDS 12/05 TDS 12/06 TJ
A INSTALL THIRD SIGNAL FOR NB MD 75 — SDY 11/08 SHA SIGNAL SHOP FORCES

PLOTTED: Thursday, February 18, 2010 AT 03:13 PM
FILE: J:\DATA\K013\Drawings\pSG-P001_MD75.dgn