PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES CHANGING THE SIDE STREET PHASING TO SPLIT PHASING AT THE INTERSECTION OF MD 75 (GREEN VALLEY ROAD) AND MD 144 (OLD NATIONAL PIKE) IN FREDERICK COUNTY. IN ADDITION, THE LANE USE FOR THE CENTER LANE OF WESTBOUND MD 144 WILL BE CHANGED TO A THROUGH-LEFT MOVEMENT AND ALL SIGNAL HEADS WILL BE UPGRADED TO LED. MD 75 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 MAIN LINE EXCLUSIVE LEFT TURN PHASING WILL REMAIN. SIDE STREET SPLIT PHASING IS PROPOSED.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET, CONTROLLER, EQUIPMENT AND ASSOCIATED HARNESSES SHALL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: 301-624-8140/8141

Ms. Andrea Abend
Assistant District Engineer - Utility
Phone: 301-624-8105/8116

Mr. Raymond Johnson
Assistant District Engineer - Maintenance
Phone: 301-624-8105/8106

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

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

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

EQUIPMENT LIST 'A'

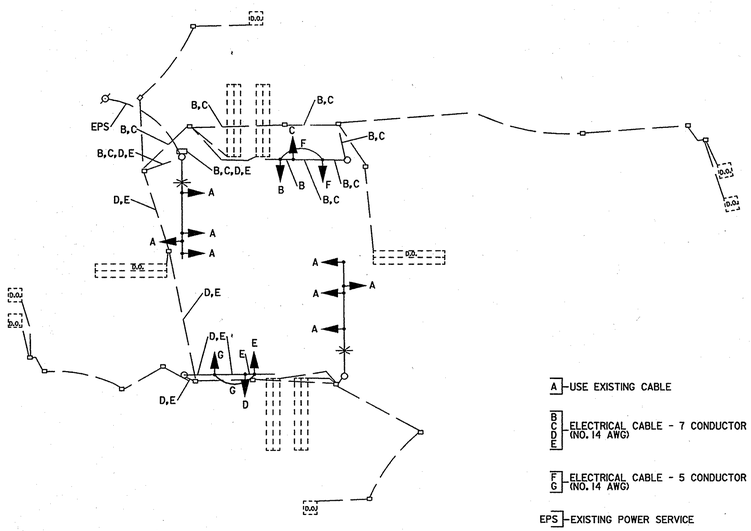
EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
9571	51 SF	SHEET ALUMINUM SIGNS:
		1 EA - ASSOCIATED SHIELD ASSEMBLY "WEST, MD 144, LEFT ARROW" (48"x75")
		1 EA - ASSOCIATED SHIELD ASSEMBLY "WEST, MD 144, RIGHT ARROW" (30"x51")
		1 EA - R3-5 (30"x36")
		1 EA - R3-6 (30"x36")

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5007	1 EA	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS
8001	16 EA	12 INCH LED SIGNAL HEAD SECTION
8004	6 EA	8 INCH LED SIGNAL HEAD SECTION
8015	24 EA	LED SIGNAL HEAD MODULES (ANY SIZE)
8022	1 EA	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT PER ASIGNMENT
8040	51 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN
8057	45 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8058	850 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)



A - USE EXISTING CABLE

B, C, D, E - ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

F, G - ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

EPS - EXISTING POWER SERVICE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 AND 5	←G–	←G–	R	R	←G–	←G–	R	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6														
PHASE 1 AND 6	←G–	←G–	G	G	←R–	←R–	R	R	R	R	R	R	R	R
1 CHANGE	←Y–	←Y–	G	G	←R–	←R–	R	R	R	R	R	R	R	R
PHASE 2 AND 5	←R–	←R–	R	R	←G–	←G–	G	G	R	R	R	R	R	R
5 CHANGE	←R–	←R–	R	R	←Y–	←Y–	G	G	R	R	R	R	R	R
PHASE 2 AND 6	←R–	←R–	G	G	←R–	←R–	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	←R–	←R–	Y	Y	←R–	←R–	Y	Y	R	R	R	R	R	R
PHASE 3	←R–	←R–	R	R	←R–	←R–	R	R	G/←G–	G/←G–	G	R	R	R
PHASE 3 CHANGE	←R–	←R–	R	R	←R–	←R–	R	R	Y	Y	Y	R	R	R
PHASE 4	←R–	←R–	R	R	←R–	←R–	R	R	R	R	R	G/←G–	G/←G–	G
PHASE 4 CHANGE	←R–	←R–	R	R	←R–	←R–	R	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.		

TOD NO:AX142-12
SHA NO:FR552A54/B54
MD 75@ MD 144

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 75 (GREEN VALLEY ROAD) AT MD 144 (OLD NATIONAL PIKE)

GENERAL INFORMATION

SCALE NONE DATE 102007 CONTRACT NO. AX1425185

DESIGNED BY SDY COUNTY FREDERICK
DRAWN BY AMT LOGMILE 10007508.35
CHECKED BY TIMS NO. I-468
FAP NO. TOD NO.

TS NO. 2562-E-GI | DRAWING SG-02 OF 02 | SHEET NO. 2 OF 2

PLOTTED: Tuesday, October 02, 2007 at 9:55:11 AM
FILE: pSG-IN002_md144.dgn

BY: syoung2