

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic signal to provide "flashing red arrow" operations for southbound MD 272 to northbound I-95 in North East, Maryland. MD 272 is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- The intersection will operate in a NEMA 4-phase, semi-actuated mode with exclusive-permissive flashing red arrow left turn phasing for the southbound MD 272 approach.
- The existing NEMA full-traffic-actuated, eight (8) phase controller housed in a NEMA 6 base mounted cabinet is utilized at this location.

NOTES

- The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.



PHASE CHART

	1	2	3	4	5	6	7	8	9
	R	R	←R	←R	R	R	R	R	R
	Y	Y	←Y	←Y	Y	Y	Y	Y	Y
	G	G	←G	←G	G	G	G	G	G
PHASE 2 AND 6	G	G	←FL/R	←FL/R	G	G	R	R	R
2 AND 6 MAY CHANGE TO 2 AND 5 OR 4									
PHASE 2 AND 5	R	R	←G-	←G-	G	G	R	R	R
2 AND 5 CHANGE	R	R	←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/R	←FL/R	FL/Y	FL/R	FL/R	FL/R	FL/R

CONTACTS

DISTRICT 2

MR. TERRY O. WRIGHT
DISTRICT ENGINEER
410-810-3210

MR. JEFFERY WENTZ
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-810-3240

MR. BARRY CLOTHIER
UTILITY ENGINEER
410-810-3275

MR. WM NORRIS EMBERT
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-810-3270

MR. MIKE LEWIS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-810-3250

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
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MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

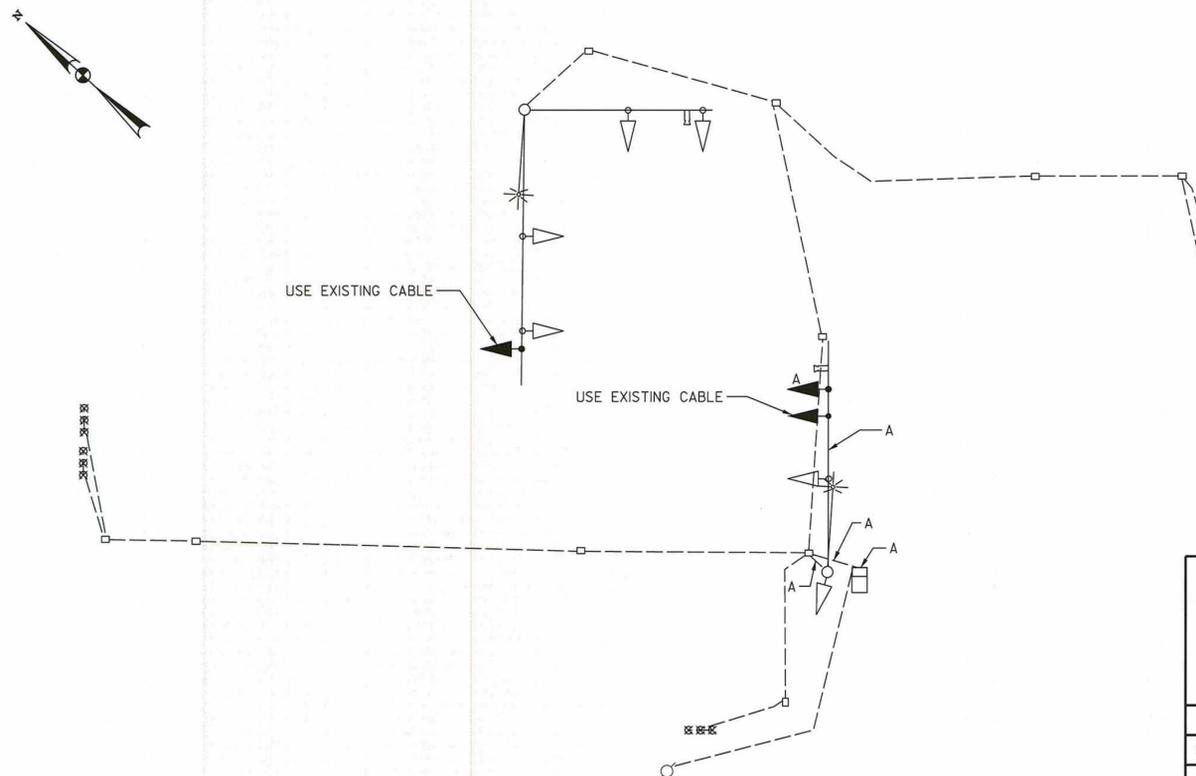
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9571	SHEET ALUMINUM POLE MOUNTED SIGNS CONSISTING OF: R10-12 (2) (48"X36") MAST ARM MOUNT (1 EA)	SF	12

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
6004	TRAFFIC BARRIER W BEAM USING 6 FOOT POST	LF	24.5- 37.5
6007	W BEAM BARRIER REFLECTIVE DELINEATORS	EA	1
8001	12 INCH LED SIGNAL HEAD	EA	9
8005	ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER	EA	1
8023	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	EA	1
8040	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	SF	12
8055	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	100

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



KEY

A } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

GREEN LINE REVISION 1

APPROVAL: *[Signature]*
DATE: 5/21/2012

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 272 AT RAMP TO I-95 NB
NORTH EAST, MARYLAND

GENERAL INFORMATION SHEET

SCALE	N.T.S.	ADVERTISED DATE	MARCH 2012	CONTRACT NO.	XX6615185
DESIGNED BY	W. KOCHER	COUNTY	CECIL		
DRAWN BY	W. KOCHER	LOGMILE	07027213.83		
CHECKED BY	A. GRIFFIN	TMS NO.	L230		
F.A.P. NO.	SEE TITLE SHEET	TOD NO.			
TS NO.	3721	DRAWING	-pSG OF N001	SHEET NO.	2 OF 2

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PLOTTED: Monday, May 21, 2012 at 10:02:04 AM
FILE: pSG-N001_L230.dgn

BY: Mfkabengele