

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF GREENSPRING AVENUE AND MD 133 (OLD COURT ROAD) LOCATED IN BALTIMORE COUNTY. THE MODIFICATION INVOLVES CHANGING THE NORTHBOUND GREENSPRING AVENUE LEFT TURN FROM EXCLUSIVE TO AN EXCLUSIVE/PERMISSIVE LEFT TURN. GREENSPRING AVENUE IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE GREENSPRING AVENUE APPROACHES OPERATING CONCURRENTLY AND THE MD 133 APPROACHES OPERATING CONCURRENTLY. THE NORTHBOUND GREENSPRING AVENUE APPROACH WILL OPERATE AS AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE.

CONTROLLER REQUIREMENT

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL BE USED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30	STANDARD NO. MD-104.45-01 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.37-01 (LEFT LANE CLOSURE)	STANDARD NO. MD-104.48-01 (INTERSECTION TURN BAY LANE CLOSURE)
STANDARD NO. MD-104.38-01 (RIGHT LANE CLOSURE)	STANDARD NO. MD-104.44-01 (LEFT LANE CLOSURE)
STANDARD NO. MD-104.41-01 (INTERSECTION FAR-RIGHT LANE CLOSURE)	

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MRS. SUENNETTE POPE
DISTRICT UTILITIES ENGINEER
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

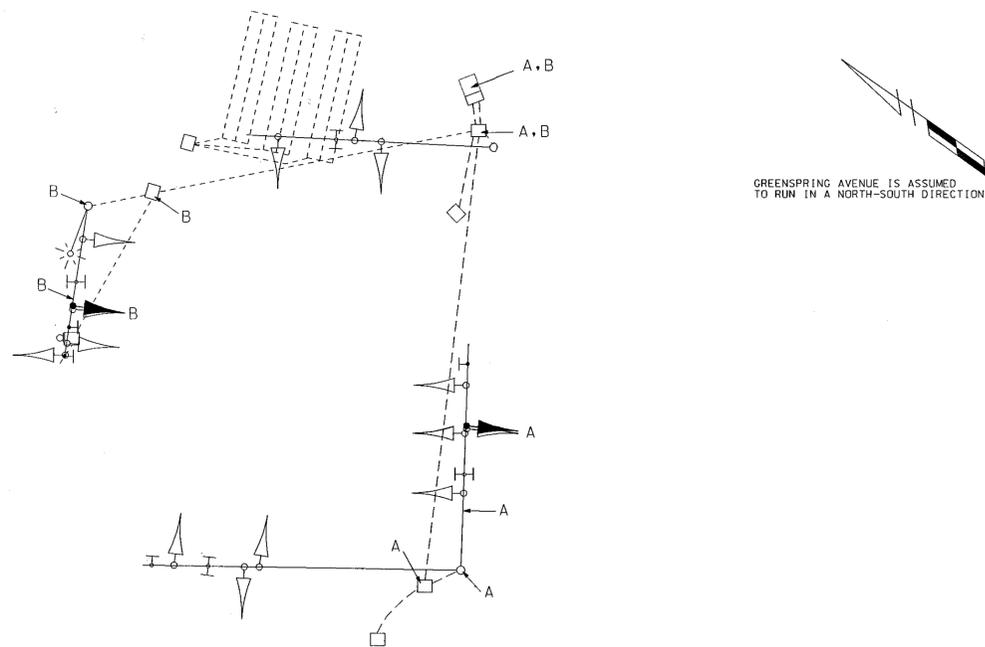
MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST A

EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE S.H.A.

QUANTITY	DESCRIPTION
200 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT AS PER ASSIGNMENT
1 EA	12 INCH 1 WAY 5-SECTION (R,Y,G,YA,GA) POLYCARBONATE SIGNAL HEAD FOR MAST ARM MOUNTING
1 EA	8" AND 12" 1 WAY 5-SECTION (8" R,Y,G, 12" YA,GA) COMBO POLYCARBONATE SIGNAL HEAD FOR MAST ARM MOUNTING
10.5 SF	FLAT SHEET ALUMINUM SIGN BLUE OR GREEN
1 EA.	36" X 42" R10-12 SIGN MAST ARM MOUNT

WIRING DIAGRAM



WIRING KEY

- A - 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B - USE EXISTING CABLE

PHASE CHARTS

	1	2	3	4	5	6	7	8	9	10	11	12	13
Phase 1 & 5	←G	←G	R	R	←R	←R	R	R	R	R	R	R	←R
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6												
Phase 1 & 6	←G	←G	G	G	R	R	R	R	R	R	R	R	←R
1 Change	←Y	←Y	G	G	R	R	R	R	R	R	R	R	←R
Phase 2 & 5	←R	←R	R	R	←G	←G	G	R	R	R	R	R	←R
5 Change	←R	←R	R	R	←Y	←Y	G	R	R	R	R	R	←R
Phase 2 & 6	←R	←R	G	G	G	G	R	R	R	R	R	R	←R
2 & 6 Change	←R	←R	Y	Y	Y	Y	R	R	R	R	R	R	←R
Phase 4 & 8	←R	←R	R	R	R	R	G	G	G	G	G	G	←R
4 & 8 Change	←R	←R	R	R	R	R	Y	Y	Y	Y	Y	Y	←R
Fashing Operation	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

APPROVALS	
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
DIRECTOR, TRAFFIC & SAFETY	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
GREENSPRING AVE. & MD 133 (OLD COURT RD.)

DRAWN BY: G. PANCHOLI	F.A.P. NO. N/A	TS NO. TS-3580	SHEET NO.
CHECKED BY: D. DODA	S.H.A. NO. SF-SIGNAL	T.I.M.S. NO.	
SCALE: NONE	COUNTY: BALTIMORE	LOG MILE: 03013301,98	2 OF 2
DATE: MAY 19, 2003			