

MD 175 RUNS IN A EAST-WEST DIRECTION.

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES REPLACING ALL SIGNAL HEADS WITH BLACK FACES. THIS PROJECT ALSO INVOLVES ADDING NEAR-SIDE SIGNAL HEADS TO THE INTERSECTION. ASSOCIATED SHIELD SIGN ASSEMBLIES WILL ALSO BE ADDED.

II. INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE AS A NEMI EIGHT PHASE FULLY ACTUATED OPERATION WITH EXCLUSIVE/ PERMISSIVE LEFT TURNS FOR ALL FOUR APPROACHES. THE PHASING WILL NOT CHANGE.

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	142.5 S.F.	
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, MARYLAND 175, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 175, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, MARYLAND 175, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, MARYLAND 713, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, MARYLAND 713, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, MARYLAND 713, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, MARYLAND 713, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
8013	1 EACH	REMOVE AND DISPOSE OF EXISTING EQUIPMENT PER ASSIGNMENT
8036	135 L.F.	F & I 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8046	142.5 S.F.	INSTALL GROUND MOUNTED SIGN
8055	12 EACH	F & I 8" BLACK FACED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8056	40 EACH	F & I 12" BLACK FACED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8062	920 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
----------	----------	-------------

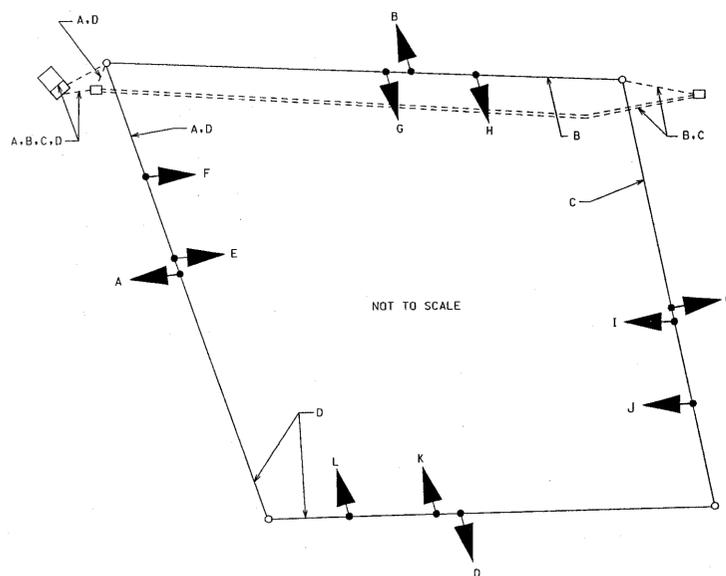
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	
PHASE 1 & 5	◀G-R	◀G-R	R	◀G-R	◀G-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	G	R	R	R	R	R	R	R	R	R	↑
1 CHANGE	◀Y-G	◀Y-G	G	R	R	R	R	R	R	R	R	R	↑
PHASE 2 & 5	R	R	R	◀G-G	◀G-G	G	R	R	R	R	R	R	↓
5 CHANGE	R	R	R	◀Y-G	◀Y-G	G	R	R	R	R	R	R	↓
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	↑
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	↑
PHASE 3 & 7	R	R	R	R	R	R	◀G-R	◀G-R	R	◀G-R	◀G-R	R	↓
3 & 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 & 8, OR 4 & 7, OR 4 & 8												↓
PHASE 3 & 8	R	R	R	R	R	R	◀G-G	◀G-G	G	R	R	R	↑
3 CHANGE	R	R	R	R	R	R	◀Y-G	◀Y-G	G	R	R	R	↑
PHASE 4 & 7	R	R	R	R	R	R	R	R	R	◀G-G	◀G-G	G	↓
7 CHANGE	R	R	R	R	R	R	R	R	R	◀Y-G	◀Y-G	G	↓
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G	↑
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	↑
FLASHING	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	↑
OPERATION													↑

WIRING DIAGRAM

A-D = 7-CONDUCTOR CABLE (NO. 14 AWG)
E-L = USE THE EXISTING CABLE (NO. 14 AWG)



PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

- MR. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019
- MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
- MR. CHUCK GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013
- MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631
- MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 841-1039
- MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

SHA# AA380A52/B52 TOD# AT58209

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 175 and MD 713
HANOVER, MARYLAND

DRAWN BY: <i>William Malcher</i>	F.A.P. NO.	T.S. NO.	SHEET NO.
CHECKED BY:	S.H.A. NO. AT5825185	TS-1295 B	
SCALE: AS NOTED	COUNTY: ANNE ARUNDEL	T.I.M.S. NO.	
DATE: 07/2004	LOG MILE: 02017507.31	0533	

2 OF 2