

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE UPGRADE OF AN EXISTING INTERSECTION TO PROVIDE EASTBOUND TRAFFIC SIGNAL HEADS DUE TO A CHANGE IN TRAFFIC PATTERN. MD 7 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE NORTHBOUND MD 7 LEFT TURN TRAFFIC, SOUTHBOUND MD 7 THROUGH TRAFFIC AND EASTBOUND HOWARD STREET TRAFFIC OPERATING AS SEPARATE PHASES.

AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE WILL BE PROVIDED FOR NORTHBOUND MD 7.

CONTROLLER REQUIREMENTS

THE EXISTING POLE-MOUNTED NEMA CONTROLLER WILL BE USED.

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS

ROBERT L. KIEL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-810-3240

BARRY CLOTHIER
ASSISTANT DISTRICT ENGINEER - UTILITIES
410-810-3275

TERRY O. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-810-3250

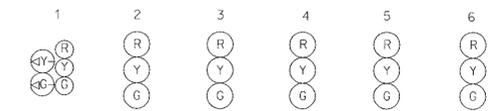
CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

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

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

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

PHASE CHART



PHASE 1 & 6	G / <G-	G	R	R	R	R	←
1 CHANGE	G / <Y-	Y	R	R	R	R	↓
PHASE 2 & 6	G	G	G	G	R	R	→
2 & 6 CHANGE	Y	Y	Y	Y	R	R	→
PHASE 4	R	R	R	R	G	G	↑
4 CHANGE	R	R	R	R	Y	Y	↑
FLASHING OPERATION	FL / Y	FL / Y	FL / Y	FL / Y	FL / R	FL / R	← →

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY TOWN OF ELKTON

SPECIFICATION

SPECIFICATION	QUANTITY
813	11 SF

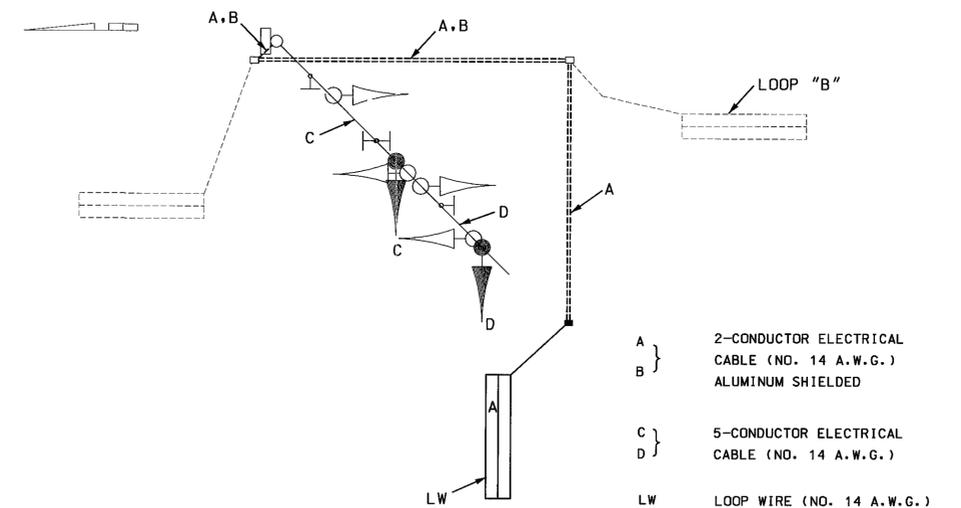
DESCRIPTION
SHEET ALUMINUM SIGN TO CONSIST OF :
- 1 EACH D3-1 (VARIABLE IN x 16 IN.) "DELAWARE AVENUE"
SIGN - MAST ARM MOUNT

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

CATEGORY

CODE NO.	SPECIFICATION	QUANTITY	DESCRIPTION
120500	104	LUMP SUM	MAINTENANCE OF TRAFFIC
585412	553	200 LF	5 IN. WHITE HEAT APPLIED PAVEMENT MARKINGS
585410	553	400 LF	5 IN. YELLOW HEAT APPLIED PAVEMENT MARKINGS
585624	556	12 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
585462		362 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
800000	805	40 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805160	805	5 LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
860270	814	6 EA	8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861104	810	95 LF	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
861107	810	69 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
862101	810	436 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
862102	815	121 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

WIRING DIAGRAM



REVISIONS	
① ADD EB TRAFFIC SIGNAL HEADS DUE TO CHANGE IN TRAFFIC PATTERN	2/12/02
② REMOVE EB TRAFFIC SIGNAL HEADS DUE TO CHANGE IN TRAFFIC PATTERN	3/26/99

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 7 (DELAWARE AVE.) AND HOWARD ST.

DRAWN BY: J.S. KILLIAN	F.A.P. NO. S.H.A. NO. C-502-275	TS NO. TS-60D-61	SHEET NO.
CHECKED BY:	SCALE: NOT TO SCALE	COUNTY: CECIL	
DATE: 10/69	LOG MILE: 07D00701.19	T.I.M.S. NO. F-227	02 OF 02