

PROJECT DESCRIPTION

I. GENERAL

This project involves modifying the southwest corner of the MD 3 and MD 424/Conway Road intersection. The existing strain pole located in the southwest corner will be removed. A new strain pole and handhole will be installed.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 6-phase, semi-actuated mode, with the East and West approaches running separately.

III. CONTROLLER REQUIREMENT

1. Reuse the semi-actuated, six phase controller with five (5) four channel, time-delay-output loop detector amplifiers, and associated harnesses housed in a NEMA size "6" base mounted cabinet.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

MS. KIM TRAN
ADE - TRAFFIC D5
(410) 841-1003

MR. MARK COBLENTZ
ADE CONSTRUCTION D5
(410) 841-1031

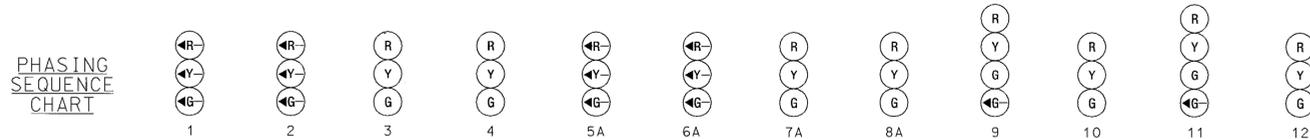
MR. RICHARD DAFF
DIVISION CHIEF, TOD
(410) 787-7630

MR. EDWARD RODENHIZER
CHIEF OF SIGNAL OPERATIONS
(410) 787-7652

EQUIPMENT LIST B

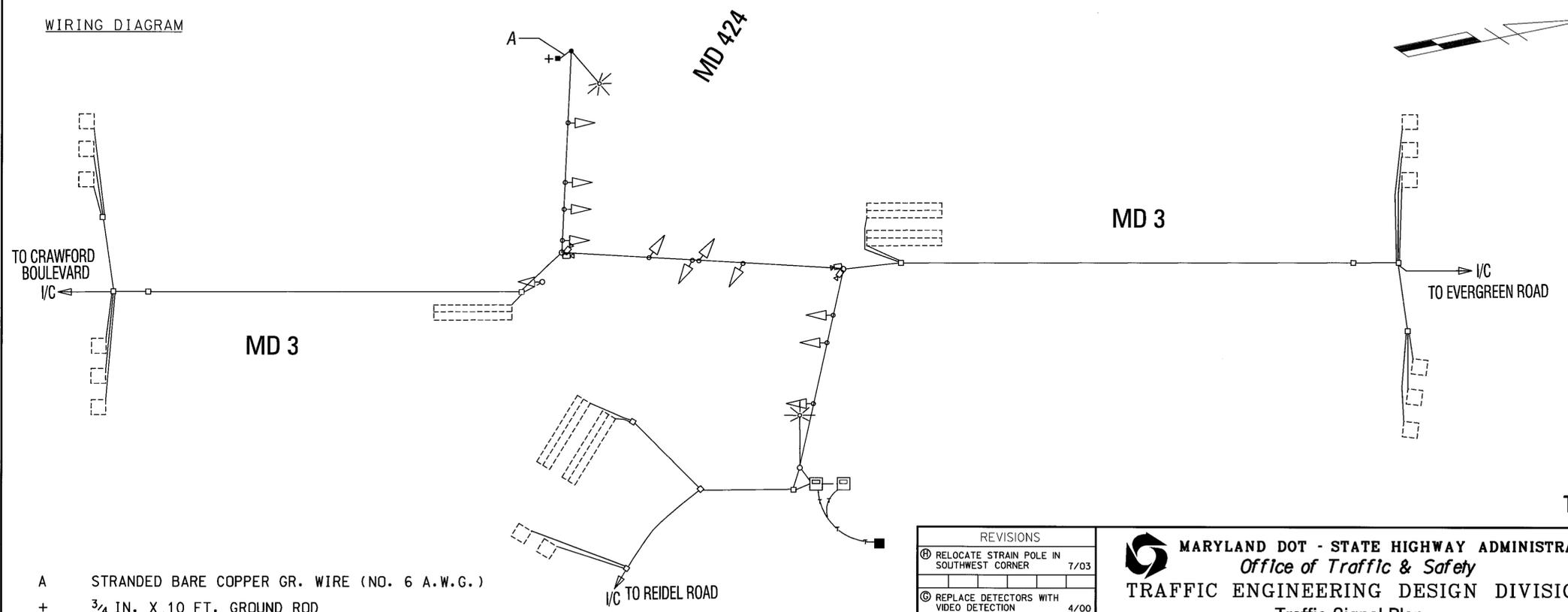
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY CONTRACTOR.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
1 CY	TEST PIT EXCAVATION
1 EA	FURNISH AND INSTALL 12 IN. X 30 FT. STRAIN POLE (2 PLY) ANCHOR BOLTS WILL BE 1 3/4 IN. X 66 IN.
10 LF	FURNISH AND INSTALL ELECTRICAL CABLE--STRANDED BARE CO. GR. WIRE (NO. 6 AWG)
1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
3 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
15 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
300 LF	FURNISH AND INSTALL 5 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
10 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT (TRENCHED)
LS	REMOVE AND DISPOSE OF EXISTING MATERIALS
1 EA	FURNISH AND INSTALL GROUND ROD 3/4 IN. DIAMETER X 10 FT. LENGTH
8 SF	FURNISH AND INSTALL SHEET ALUMINUM SIGNS - 1 EACH R3-5(R) SIGN (30" X 36") - SPAN WIRE MOUNT



	1	2	3	4	5A	6A	7A	8A	9	10	11	12	
PHASE 01 + 05	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R	↘
PHASE 01 + 05 CHANGE	←Y-	←Y-	R	R	←Y-	←Y-	R	R	R	R	R	R	↙
PHASE 01 + 06	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R	↘
PHASE 01 + 06 CHANGE	←Y-	←Y-	Y	Y	←R-	←R-	R	R	R	R	R	R	↙
PHASE 02 & 05	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R	←
PHASE 02 & 05 CHANGE	←R-	←R-	R	R	←Y-	←Y-	Y	Y	R	R	R	R	↘
PHASE 02 & 06	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	←
PHASE 02 & 06 CHANGE	←R-	←R-	Y	Y	←R-	←R-	Y	Y	R	R	R	R	↙
PHASE 03	←R-	←R-	R	R	←R-	←R-	R	R	G	G	R	R	↘
PHASE 03 CHANGE	←R-	←R-	R	R	←R-	←R-	R	R	Y	Y	R	R	↙
PHASE 04	←R-	←R-	R	R	←R-	←R-	R	R	R	R	G	G	↘
PHASE 04 CHANGE	←R-	←R-	R	R	←R-	←R-	R	R	R	R	Y	Y	↙
FLASHING OPERATION	FL/←R-	FL/←R-	FL/Y	FL/Y	FL/←R-	FL/←R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	⊕

WIRING DIAGRAM



- A STRANDED BARE COPPER GR. WIRE (NO. 6 A.W.G.)
- + 3/4 IN. X 10 FT. GROUND ROD

ENGINEERING-PLANNING-EARTH SCIENCES-SURVEYING
GREENHORNE & O'MARA, INC.
 810 GLENEAGLES COURT, SUITE 106, BALTIMORE, MARYLAND 21286
 (410) 583-6700
ANNAPOLIS, MD - BALTIMORE, MD - ATLANTA, GA - TAMPA, FL - FAIRFAX, VA - WEST PALM BEACH, FL
 ROCKVILLE, MD - RALEIGH, NC - FREDERICKSBURG, VA - MECHANICSBURG, PA - ST. PETERSBURG, FL

REVISIONS	
①	RELOCATE STRAIN POLE IN SOUTHWEST CORNER 7/03
②	REPLACE DETECTORS WITH VIDEO DETECTION 4/00
③	ADD I/C AND AS-BUILT SHA NO. AA-549-501-576

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 Traffic Signal Plan
MD 3 AND MD 424/CONWAY ROAD

DRAWN BY: J.S./D. DODA	F.A.P. NO. SEE TITLE SHEET	TS NO. TS160H-G1	SHEET NO. 2 OF 2
CHECKED BY: J.S./D. DODA	S.H.A. NO. SEE TITLE SHEET	T.I.M.S. NO. F941	
SCALE: 1" = 20'	COUNTY: ANNE ARUNDEL	LOG MILE: 02000302.21	
DATE: APRIL 26, 1971	LOG MILE: 02000302.21		