

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE RECONSTRUCTION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 25 AND JOPPA RD./FALLS RD. IN BALTIMORE COUNTY. MD 25 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. THE CONTROLLER CURRENTLY OPERATES AS A SIX-PHASE FULL-TRAFFIC-ACTUATED CONTROLLER WITH AN EXCLUDE-PERMISSIVE LEFT TURN PHASE FOR SOUTHBOUND MD 25, AN EXCLUSIVE LEFT TURN PHASE FOR NORTHBOUND MD 25 AND SIDE STREET SPLIT PHASING. EXISTING OPERATION WILL NOT CHANGE.

PHASING CHART

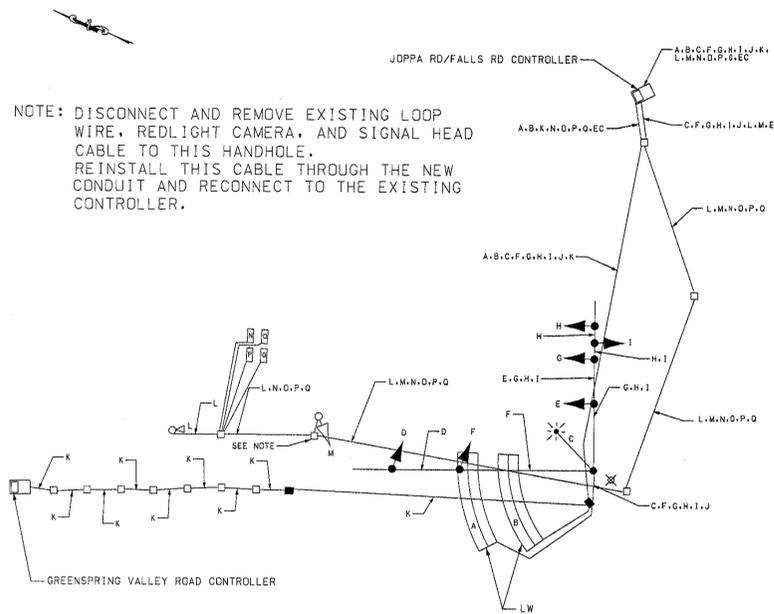
PHASING WILL NOT CHANGE

EQUIPMENT LIST "B"

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

ITEM NO.	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
2003	203030	1 CY	TEST PIT EXCAVATION
5009	585424	35 LF	24 INCH LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
	860274	18 EA	12 INCH VEHICULAR SIGNAL HEAD SECTION
	866103	1 EA	15 FOOT LIGHTING ARM FOR SIGNAL STRUCTURE
	806002	1 EA	250 WATT H.P.S. LAMP AND LUMINAIRE
	860270	3 EA	8 INCH VEHICULAR SIGNAL HEAD SECTION
	866205	1 EA	INSTALL STEEL POLE AND TWIN MAST ARM
	800000	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
	870163	10 LF	3 INCH DIAMETER PVC ELECTRICAL CONDUIT, SCHEDULE 80, TRENCHED
	870167	280 LF	4 INCH DIAMETER PVC ELECTRICAL CONDUIT, SCHEDULE 80, PUSHED AND BORED
	870166	35 LF	4 INCH DIAMETER PVC ELECTRICAL CONDUIT, SCHEDULE 80, TRENCHED
	801004	5 CY	CONCRETE FOR SIGNAL FOUNDATION
	802501	140 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8006	805160	10 LF	1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
	811001	2 EA	FURNISH AND INSTALL HANDHOLE
	800000	4 EA	RELOCATE OVERHEAD SIGN
	822002	1050 LF	12 PAIR COMMUNICATION CABLE JELLY FILLED (UNDERGROUND)
	837001	1 EA	GROUND ROD 3/4 IN. DIAMETER X 10 FOOT LENGTH
8009	861104	260 LF	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
	861107	40 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
	861108	820 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
	861116	170 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO 12 AWG)
8010	862101	920 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8011	862102	260 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)
	800000	900 LF	REMOVE AND REINSTALL EXISTING CABLE
	800000	1 EA	FURNISH AND INSTALL R3-5(L) SIGN (30" X 36") MAST ARM MOUNT
	800000	1 EA	FURNISH AND INSTALL R3-5(MOD.) SIGN (30" X 36") MAST ARM MOUNT

WIRING DIAGRAM



- A-B 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- C 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
- D-E 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- F-I 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- J STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- K 12-PAIR COMMUNICATION CABLE, JELLY FILLED UNDERGROUND
- L EXISTING REDLIGHT CAMERA CABLE
- M EXISTING 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- N-Q EXISTING 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- ELW EXISTING LOOP WIRE
- EC EXISTING CABLE
- LW LOOP WIRE (NO. 14 A.W.G.)
- X GROUND ROD
- C REDLIGHT CAMERA

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA AND INSTALLED BY THE CONTRACTOR.

QUANTITY	DESCRIPTION
1 EA	STEEL POLE WITH TWIN 50 FOOT AND 70 FOOT MAST ARMS

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 321-2781

MR. DAVE RAMSEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761

MR. JOSEPH MCMAHON
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

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

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MR. DAVID SCHWARTZ
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

1 RED LINE REVISION

TRAFFIC CONCEPTS, INC.

325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION
MD 25 AT JOPPA ROAD/FALLS ROAD

DRAWN BY: M.HOWELL	F.A.P. NO. _____	TS NO. 271 GI	SHEET NO. _____
CHECKED BY: T.ZAYDEL	S.H.A. NO. _____	T.J.M.S. NO. E-666	2 OF 2
SCALE: 1" = 20'	COUNTY: BALTIMORE	LOG MILE: _____	
DATE: 8-23-02			