PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the temporary traffic signal at the intersection of MD 223 (Woodyard Road) at Rosaryville Road during MOT Phase 3 operations. This stage involves the relocation of signal heads and the construction of the ultimate triple mast arm pole in the median on the north leg of the intersection.

II. INTERSECTION OPERATION

The temporary pole-mounted signal cabinet and controller will be used during this phase. The intersection will operate in a fully-actuated mode with exclusive lead-lag left turn phasing for NB Rosaryville Road and SB MD 223 and split phasing for WB Haislip Way and NB MD 223 with 6 NEMA phases.

NOTES

1. For pavement markings, refer to the MDT and/or pavement marking plans, as applicable; other than those detailed on the plan. All pavement markings shall be installed in accordance with Administration standards.
2. The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.
3. All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in the appropriate 800 series Standard Plates. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. SHA forces will provide the video detection equipment and do all internal wiring of the controller cabinet.
5. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
6. The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.
7. The contractor shall contact the SHA Signal Shop at (410) 787-7650 at least 72 hours prior to starting construction for this phase.

CONTACTS

DISTRICT

MS. FELECIA MURPHY
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-513-7358

MR. VICTOR GRAFTON
ASSISTANT DISTRICT ENGINEER - UTILITIES
301-513-7350

MR. KEVIN NOWAK & MR. DUANE BERNARD
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
301-513-7336

MR. VERNON STINNETT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

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

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

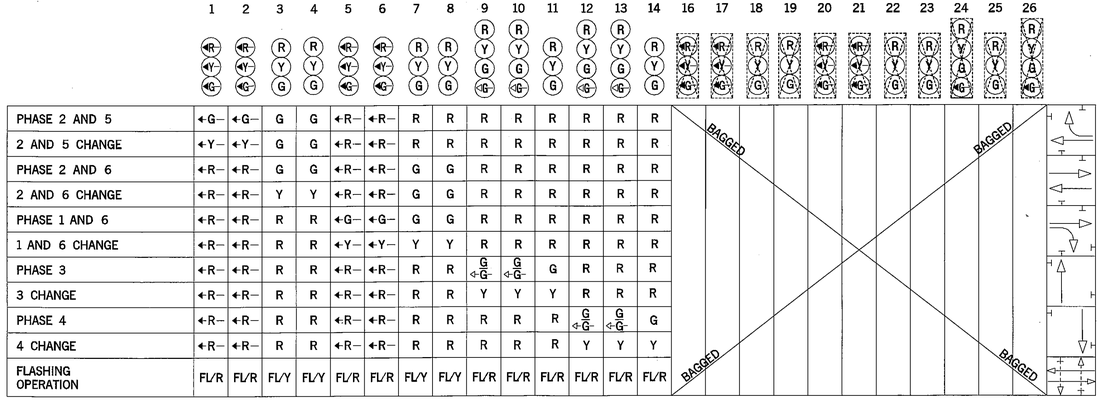
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE	DESCRIPTION	UNITS	QUANTITY
973023	SHEET ALUMINUM SIGNS CONSISTING OF:	SF	71
	D3-(1) (VAR. X 32")	EA	1
	D3-(2) (VAR. X 16")	EA	2
	R3-5(L) (30" X 36")	EA	3
	R3-6(L) (30" X 36")	EA	1
	SN-1 (30"X42")	EA	1

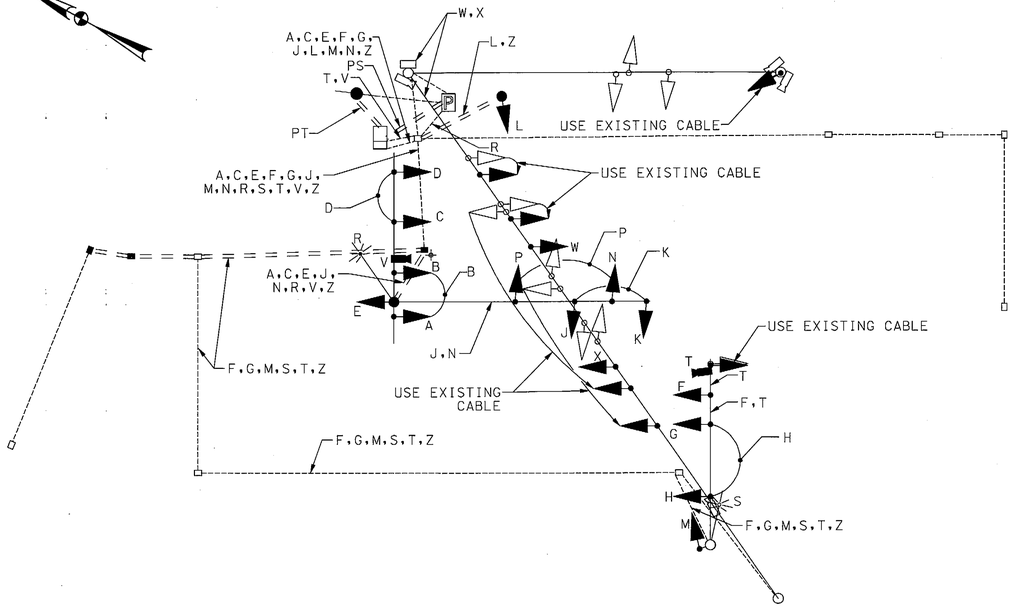
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	DESCRIPTION	UNITS	QUANTITY
114245	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKINGS FOR STOP LINES	LF	95
199015	REMOVAL OF TEMPORARY PAVEMENT STRIPING TAPE ANY WIDTH	LF	95
203030	TEST PIT EXCAVATION	CY	1
800000	REALIGN VIDEO DETECTION CAMERA	EA	3
800000	STEEL POLE WITH TRIPLE 70, 50 AND 10 FT. MAST ARMS	EA	1
800000	PULL BACK AND REROUTE EXISTING TRAY CABLE	LF	350
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	6
805125	2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED	LF	40
805135	3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED	LF	365
805140	4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED	LF	110
810022	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG THHN/THWN	LF	100
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	3
813015	INSTALL OVERHEAD SIGNS	SF	71
818010	14 FOOT BREAKAWAY PEDESTAL POLE	EA	1
821003	BREAKAWAY BASE SUPPORT SYSTEM FOR SIGNAL STRUCTURE	EA	1
831010	250 WATT HPS LUMINAIRE	EA	1
832020	BARE COPPER GROUND WIRE, NO. 6 AWG	LF	370
837001	GROUND ROD - 3/4 INCH DIA. X 10 FT. LENGTH	EA	1
860265	RELOCATE EXISTING TRAFFIC SIGNAL HEAD	EA	2
860284	12 IN. LED SIGNAL HEAD	EA	64
860292	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC STRUCTURE	EA	1
861107	ELECTRICAL CABLE - 5 CONDUCTOR NO. 14 AWG	LF	790
861108	ELECTRICAL CABLE - 7 CONDUCTOR NO. 14 AWG	LF	1225
861116	ELECTRICAL CABLE - 2 CONDUCTOR NO. 12 AWG	LF	110
866103	15 FT. LIGHTING ARM ON SIGNAL STRUCTURE	EA	1

PHASE CHART



WIRING DIAGRAM



KEY

- C,E,G,J,L,M,N — 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- A,B,D,F,H,K,P,W,X — 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- R — 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
- S — RELOCATED TRAY CABLE
- T, V — VIDEO DETECTION CAMERA CABLE
- Z — 1 CONDUCTOR (NO. 6 AWG) STRANDED BARE COPPER GROUND WIRE
- PS — 3 WIRES, 1 CONDUCTOR NO. 8 AWG.
- PT — PROPOSED TELEPHONE DROP (BY OTHERS)
- ⏚ — GROUND ROD

MOT PHASE 3

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 223 (WOODYARD ROAD) AT ROSARYVILLE ROAD

INTERSECTION IMPROVEMENTS

ROSARYVILLE, MARYLAND

GENERAL INFORMATION SHEET

SCALE NOT TO SCALE DATE APRIL 2010 CONTRACT NO. PG6295176

DESIGNED BY S. SMITH
DRAWN BY S. SMITH
CHECKED BY J. WEAVER
F.A.P. NO. SEE TITLE SHEET

COUNTY PRINCE GEORGE'S
LOGMILE 16022310.24
T.I.M.S. NO. J080
TOD NO.

TS NO. 1530C | DRAWING NO. pSG OF N003 | SHEET NO. 76 OF 93

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
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PLOTTED: Monday, July 12, 2010 AT 04:30 PM
FILE: R:\2002\73 SCS 2002-07 Surv_Eng_Svc URS\Task 14 MD 223 at Rosaryville\Dgn\Signal\PSG-N003_MD223.dgn

BY: Agriffin -