PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION, NON-INVASIVE MICROLOOP PROBES AND PEDESTRIAN SIGNALS AT THE INTERSECTION OF MD 202 (LARGO ROAD) AND CAMPUS WAY IN PRINCE GEORGE'S COUNTY.

INTERSECTION OPERATION

THE INTERSECTION SHALL CONTINUE TO OPERATE WITH EXISTING CONTROLLER USING 6 NEMA PHASES. THE OPERATION WILL CHANGE TO PHASE 5 LAGGING.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:
MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: 301-513-7318
MR. KEVIN NOWAK, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. WAYNE MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: 301-513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: 301-513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SIGNAL OPERATIONS CHIEF
PHONE: (410) 787-7650

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CODE NO. / CATEGORY	DESCRIPTION	UNITS	QUANTITY
900000	VIDEO INTERFACE EQUIPMENT	EA	1
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:	SF	95.25
	R3-5(L) (30"X36") SPAN WIRE MOUNT	EA	2
	SHIELD ASSEMBLY		
	(48"X75")	EA	2
	(30"X75")	EA	2
	R10-4(1) (9"x12") POLE MOUNT	EA	2
	SIGN TO READ "PUSHBUTTON TO CROSS LARGO ROAD"		

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

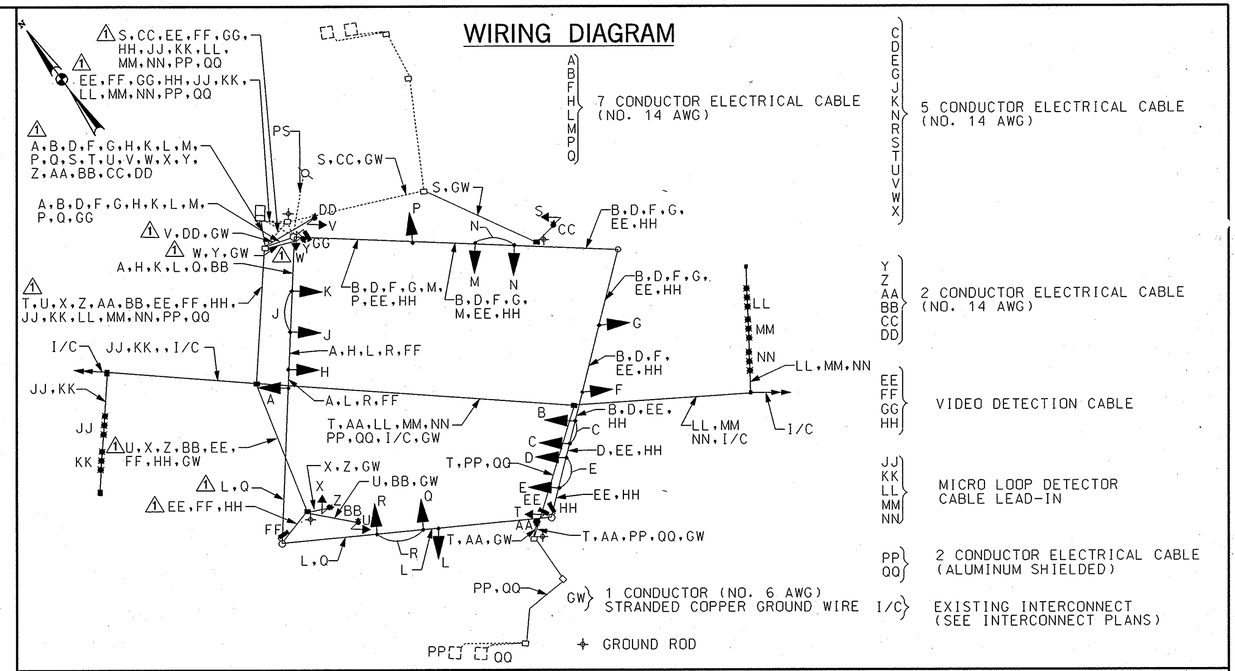
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	3
585620	12 INCH WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING	LF	1200
585624	24 INCH WHITE, HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING	LF	150
800000	AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION	EA	6
800000	AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT	EA	1
800000	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT	LS	1
800000	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION PEDESTAL POLE MOUNT	EA	6
1 800000	FURNISH AND INSTALL 3 INCH 90 DEGREE CONDUIT BEND IN THE EXISTING SIGNAL FOUNDATION	EA	2
1 800000	FURNISH AND INSTALL 4 INCH 90 DEGREE CONDUIT BEND IN THE EXISTING SIGNAL FOUNDATION	EA	1
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	4
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	750
1 805115	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- BORED	LF	250
805118	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	600
1 805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	950
1 805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	50
810604	NON-INVASIVE DECTECTORS, 500 FOOT LEAD-IN CABLE	EA	2
810605	NON-INVASIVE DETECTORS, 1000 FOOT LEAD-IN CABLE	EA	3
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	10
812003	WOOD SIGN SUPPORTS - 4 INCH X 6 INCH	LF	64
813015	INSTALL OVERHEAD SIGN	SF	95.25
816001	VIDEO DETECTION CAMERA	EA	4
816005	CONTROL CABLE, 250 FOOT, VIDEO DETECTION	EA	2
816010	CONTROL CABLE, 500 FOOT, VIDEO DETECTION	EA	2
818004	10 FOOT BREAKAWAY PEDESTAL POLE	EA	6
837001	GROUND ROD - 3/4 INCH DIAMETER X 10' LENGTH	EA	4
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	52
861104	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	2700
861105	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)	LF	1700
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)	LF	2000
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)	LF	1850

NOTE:
THE CONTRACTOR SHALL DELIVER AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION AND BASE UNIT TO THE SHA SIGNAL SHOP PRIOR TO LOCATION INSTALLATION FOR PROGRAMMING. SHA FORCES SHALL INSTALL AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON BASE UNIT IN THE CABINET.

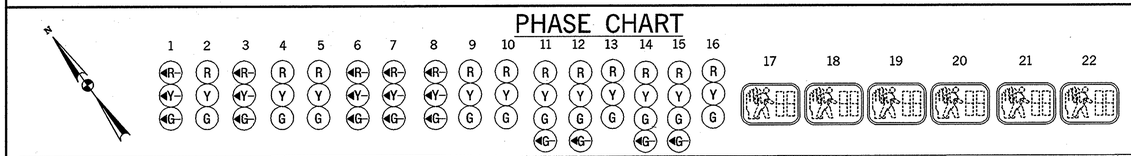
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

NONE

WIRING DIAGRAM



PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
PHASE 1 AND 6	◄R	R	◄R	R	R	◄G	◄G	◄G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 AND 6 CHANGE	◄R	R	◄R	R	R	◄Y	◄Y	◄Y	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	◄R	G	◄R	G	G	◄R	◄R	◄R	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW
PED CLEARANCE	◄R	G	◄R	G	G	◄R	◄R	◄R	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 AND 6 CHANGE	◄R	G	◄R	G	G	◄R	◄R	◄R	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 AND 5	◄G	G	◄G	G	G	◄R	◄R	◄R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
2 AND 5 CHANGE	◄Y	Y	◄Y	Y	Y	◄R	◄R	◄R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	◄R	R	◄R	R	R	◄R	◄R	◄R	R	R	R	R	R	◄G/G	◄G/G	G	DW	DW	DW	DW	DW	DW
3 CHANGE	◄R	R	◄R	R	R	◄R	◄R	◄R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	◄R	R	◄R	R	R	◄R	◄R	◄R	R	R	R	R	R	◄G/G	◄G/G	G	DW	DW	DW	DW	WK	WK
PED CLEARANCE	◄R	R	◄R	R	R	◄R	◄R	◄R	R	R	R	R	R	◄G/G	◄G/G	G	DW	DW	DW	DW	FL/DW	FL/DW
3 ALT CHANGE	◄R	R	◄R	R	R	◄R	◄R	◄R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4	◄R	R	◄R	R	R	◄R	◄R	◄R	R	R	◄G/G	◄G/G	G	R	R	R	DW	DW	DW	DW	DW	DW
4 CHANGE	◄R	R	◄R	R	R	◄R	◄R	◄R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/Y	FL/R	FL/R	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

NOTE: PHASE 1 AND 6 CAN CHANGE TO 2 AND 6 OR 2 AND 5

1 ADDENDUM NO. 1
06/09/06

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
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BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

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

MD 202 (LARGO ROAD)
AT CAMPUS WAY
LARGO, MARYLAND

GENERAL INFORMATION PLAN

SCALE N.T.S DATE JUNE 2006 CONTRACT NO. PG602A21

DESIGNED BY J. PALADUGU COUNTY PRINCE GEORGE'S
DRAWN BY J. PALADUGU LOGMILE ~~80021005.77~~
CHECKED BY K.RINIKER T.I.M.S. NO. ~~F805~~ H594
F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. TS-814 B | DRAWING PSG OF N001 | SHEET NO. OF

16020205.77

PLOTTED: FRIDAY, JUNE 09, 2006 AT 12:02 PM
FILE: R:\1999\46\TASK 16 MD 202\DWG\SIGNALS\PSG-N001_MD 202.DGN

BY:JPALADUGU