DRILL HOLES

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BORDER REV. DATE: NOV 1, 2004

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A "TEMPORARY" TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 381 AND EAGLE HARBOR ROAD IN PRINCE GEORGE'S COUNTY. MD 381 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

THIS TRAFFIC CONTROL SIGNAL SHALL BE IN OPERATION FROM APPROXIMATELY A TWO YEAR PERIOD, AFTER SUCH TIME TO BE COMPLETELY REMOVED.

INTERSECTION OPERATION

THIS SIGNAL WILL ONLY BE FULLY OPERATIONAL BETWEEN THE HOURS OF 6-8 A.M. AND BETWEEN THE HOURS OF 4-6 P.M. MONDAY - FRIDAY ONLY.

ALL OTHER TIMES THE SIGNAL SHALL OPERATE IN A "FLASHING" MODE.

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH A "LAGGING" EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR SOUTHBOUND MD 381. VIDEO DETECTION CAMERA DETECTION WILL BE USED TO ACTIVATED THE SIDE ROAD AND MAIN LINE LEFT TURN E\P PHASE.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF THE MDSHA AT (410) 787-3635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR MUST PROVIDE MR. SNYDER WITH THE NEAREST ADDRESS, ZIP CODE, AND PHONE NUMBER.

EQUIPMENT LIST "A"

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

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC & SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
1 CY	TEST PIT EXCAVATION
730 LF	5 INCH WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
800 LF	5 INCH YELLOW HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
55 LF	24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS
1 EA	NEMA FULLY-ACTUATED CONTROLLER AND CABINET WITH VIDEO INTERFACE RACK - BASE MOUNT
1 EA	FOUR-CHANNEL, TIME- DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
25 EA	12 INCH LED SIGNAL HEAD SECTION WITH MAST ARM MOUTING HARDWARE
8 CY	CONCRETE FOUNDATION
1 EA	27 FT. MAST ARM POLE WITH SINGLE 38 FT. MAST ARM
1 EA	27 FT. MAST ARM POLE WITH TWIN 50 FT. MAST ARMS
1 EA	15 FT. LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (PHOTOCELL)
1 EA	10 FT. LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (PHOTOCELL)
7 EA	ELECTRICAL HANDHOLE
20 LF	1 IN. FLEXIBLE, LIQUID-TIGHT CONDUIT
80 LF	2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
750 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
120 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
2 EA	VIDEO DETECTION CAMERA AND CABLE
36 LF	WOOD SIGN SUPPORTS 4 IN. X 6 IN.
1 EA	METERED SERVICE PEDESTAL EMBEDDED
50 LF	ELECTRICAL CABLE 1 (3-WIRE) - CONDUCTOR (NO. 4 A.W.G.) - THHN /THWN
75 LF	ELECTRICAL CABLE 5 - CONDUCTOR (NO. 14 A.W.G.)
570 LF	ELECTRICAL CABLE 7 - CONDUCTOR (NO. 14 A.W.G.)
300 LF	ELECTRICAL CABLE 2 - CONDUCTOR (NO. 12 A.W.G.)
165 LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
5 EA	3/4 IN. X 10 FT. GROUND ROD
70 LF	SAW CUT FOR SIGNAL
2 EA	MICRO-LOOP PROBE WITH 500 FT. LEAD IN
2 EA	D3-2 (VAR X 16") DUAL FACE SIGN - MAST ARM MOUNT
1 EA	SHIELD ASSEMBLY (24" X 78") - POLE MOUNT
2 EA	W3-3 (36" X 36") WITH "NEW" PANEL (12" X 24")-GROUND MOUNT
1 EA	REMOVAL OF TRAFFIC SIGNAL
642 LF	REMOVAL OF PAVEMENT MARKING

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 AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR. JEFF WENTZ
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(301) 513-7318

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
(301) 513-7350

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(301) 513-7304

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

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

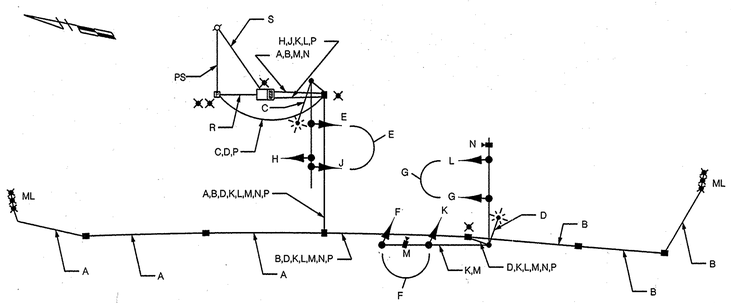
MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

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

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

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

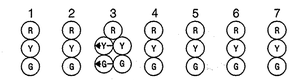
WIRING DIAGRAM



WIRING KEY

A-B	-	MICRO-LOOP PROBE LEAD-IN
C-D	-	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TRAY CABLE
E-G	-	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
H,J,K,L	-	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
M,N	-	VIDEO DETECTION CABLE
P	-	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
R	-	(3-WIRE) 1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
S	-	FUTURE PHONE LINE BY OTHERS
ML	-	MICRO-LOOP PROBE
PS	-	PROPOSED ELECTRIC SERVICE
	-	GROUND ROD
	-	METERED SERVICE PEDESTAL

PHASE CHART



PHASE 2 & 6	G	G	G	G	G	R	R	
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	
PHASE 2 & 5 (LAG)	R	R	G	G	G	R	R	
5 CHANGE	R	R	G	G	G	R	R	
PHASE 4	R	R	R	R	G	G	G	
4 CHANGE	R	R	R	R	Y	Y	Y	
FLASHING OPERATION	FL\Y	FL\Y	FL\Y	FL\Y	FL\Y	FL\R	FL\R	

SPECIAL PHASING NOTE

THE OPERATION OF "FULL COLOR" WILL BE BETWEEN THE HOURS OF 6-8 A.M. AND FROM 4-6 P.M., MONDAY THROUGH FRIDAY. ALL OTHER TIMES THE SIGNAL SHALL BE IN "FLASHING" OPERATION MODE.

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX: (410) 923-6473
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

MD 381 AND EAGLE HARBOR ROAD (AQUASCO, MD)

SCALE	NONE	DATE	3-11-08
CONTRACT NO.	BW996M82		
DESIGNED BY	T. ZAYDEL	COUNTY	PRINCE GEORGE'S
DRAWN BY	M. ROSEN	LOGMILE	16038101.75
CHECKED BY	S. RENZI	T.I.M.S. NO.	I - 909
F.A.P. NO.	N\A	TOD NO.	
DRAWING NO.	TS- 4636-GI	SHEET NO.	2 OF 2

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