

DRILL HOLES

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PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 277 AND MD 279 /STONEGATE BLVD. IN CECIL COUNTY. THE WORK INVOLVES WIDENING ALONG THE WEST LEG OF MD 277 AND WILL REQUIRE THE INSTALLATION OF ONE NEW TRAFFIC MAST ARM STRUCTURE WITH STREET LIGHTING, ONE NEW PEDESTAL POLE, INSTALLATION OF NEW SIGNALS, NEW SIDE ROAD VIDEO CAMERA DETECTION AND THE UPGRADE OF A NEW METERED SERVICE PEDESTAL. NEW SIDE ROAD PAVEMENT MARKINGS AND SIGNING WILL ALSO BE INSTALLED (SEE PAVEMENT MARKING PLAN IN THE CONTRACT DOCUMENTS). MD 279 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL NOW OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE.

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

MR. ROBERT KIEL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 810-3240

MR. TERRY WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 810-3250

MR. BARRY CLOTHIER
UTILITY ENGINEER
(410) 810-3275

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

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

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

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 AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

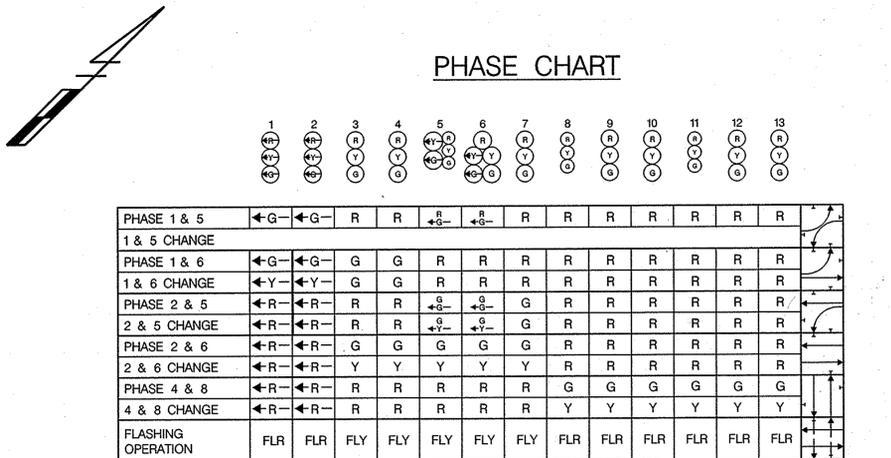
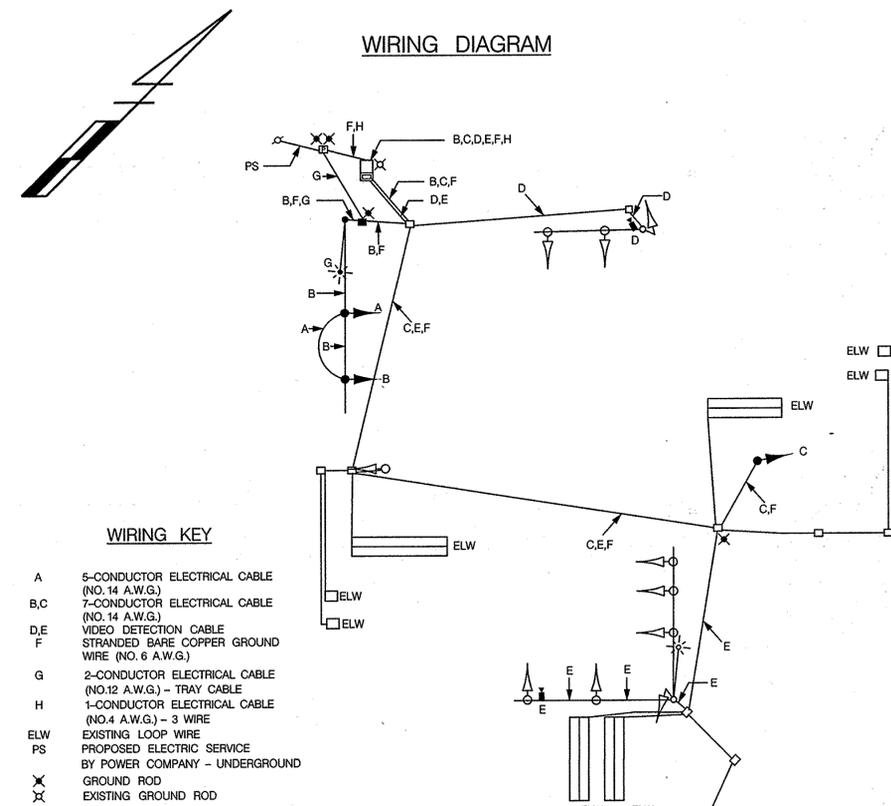
QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
.5 CY	TEST PIT EXCAVATION
40 LF	24 IN. HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKINGS
1 EA	15 FT. LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE
LS	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT
1 EA	10 FT. BREAKAWAY PEDESTAL POLE
1 EA	27 FT. MAST ARM POLE & 60 FT. MAST ARM
2 EA	VIDEO DETECTION CAMERA
1 EA	200 FT. VIDEO DETECTION LEAD-IN CABLE
1 EA	400 FT. VIDEO DETECTION LEAD-IN CABLE
15 LF	4 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
60 LF	3 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
50 LF	2 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
1 EA	METERED SERVICE PEDESTAL EMBEDDED
120 LF	ELECTRICAL CABLE 1 - CONDUCTOR NO. 4 AWG - (3 WIRE)
1 EA	ELECTRICAL HANDHOLE
25 LF	ELECTRICAL CABLE 5 - CONDUCTOR (NO 14 AWG)
400 LF	ELECTRICAL CABLE 7 - CONDUCTOR (NO 14 AWG)
100 LF	ELECTRICAL CABLE 2 - CONDUCTOR (NO 12 AWG) TRAY CABLE
5.4 CY	CONCRETE FOUNDATION FOR SIGNAL
1 EA	VIDEO INTERFACE EQUIPMENT RACK
4 EA	34 IN. X 10 FT. GROUND ROD - COPPER
330 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
1 EA	RELOCATE EXISTING SIGN
1 EA	INSTALL CONDUIT BEND INTO EXISTING CONCRETE BASE
3 EA	8 IN. LED SIGNAL HEAD SECTION
10 EA	12 IN. LED SIGNAL HEAD SECTION
25 SF	SHEET ALUMINUM SIGN (SHIELD ASSEMBLY) POLE MOUNT

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.



TRAFFIC CONCEPTS, INC.

325 Gambrells Road
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Gambrells, MD 21054
(410) 923-7101
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EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

FILE PATH: J:\DATA\J106\J108_Signalplan.dgn
DATE: Tuesday, July 08, 2008 AT 07:55 AM

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
MD 279 AND MD 277 /STONEGATE BLVD.

SCALE NONE DATE 6-2-08 CONTRACT NO. BW-996M82

DESIGNED BY T. ZAYDEL COUNTY CECIL
DRAWN BY T. ZAYDEL LOGMILE 07027904.91
CHECKED BY S. RENZI T.I.M.S. NO. J-106
F.A.P. NO. NA TOD NO.

DRAWING NO. SHEET NO. 2 OF 3