

PROJECT DESCRIPTION
 THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 2 AND CEDAR HILL BLVD. IN ANNE ARUNDEL COUNTY. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
 THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULLY-ACTUATED MODE WITH AN EXCLUSIVE LEFT TURN PHASE FOR THE SOUTHBOUND APPROACH OF MD 2. THE INTERSECTION WILL BE EQUIPPED WITH A NORTHBOUND "RED SIGNAL AHEAD" WARNING BEACON.

INTERCONNECT NOTES:
 THIS NEW SIGNAL WILL BE INCLUDED INTO AN EXISTING SIGNAL SYSTEM. FOR INTERCONNECT INFORMATION PLEASE SEE SHEET TRAFFIC SYSTEM INTERCONNECT PLAN (SHEET 3 OF 7)

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 841-1003	MR. JOHN MAYS ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1002
MR. JOE HORTY UTILITY ENGINEER (410) 841-1005	

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630	MR. EUGENE BAILEY CHIEF, SIGN OPERATIONS (410) 787-7676
MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631	MS. DARLENE EIDE SUPPLY OFFICE CHIEF, SIGNAL SHOP WAREHOUSE (410) 787-7668
MR. ED RODENHIZER CHIEF - SIGNAL OPERATIONS SECTION (410) 787-7652	

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

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

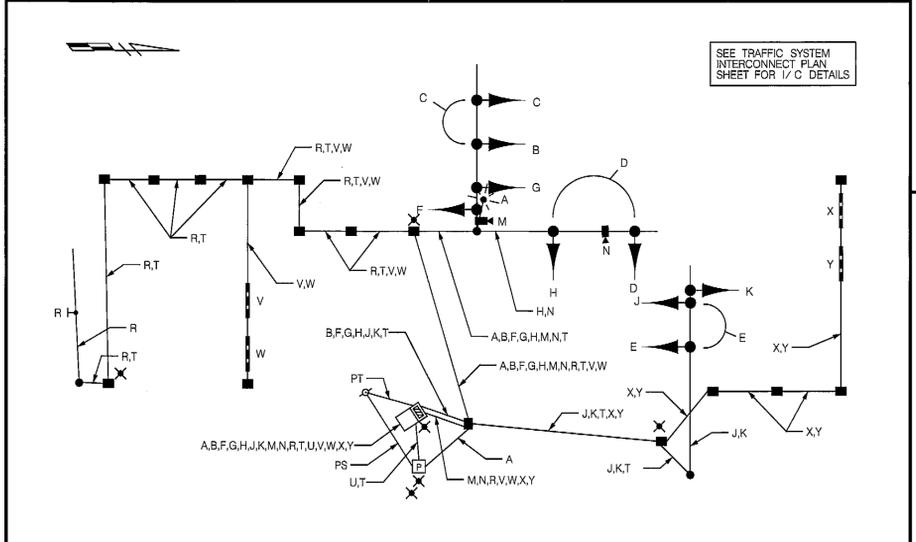
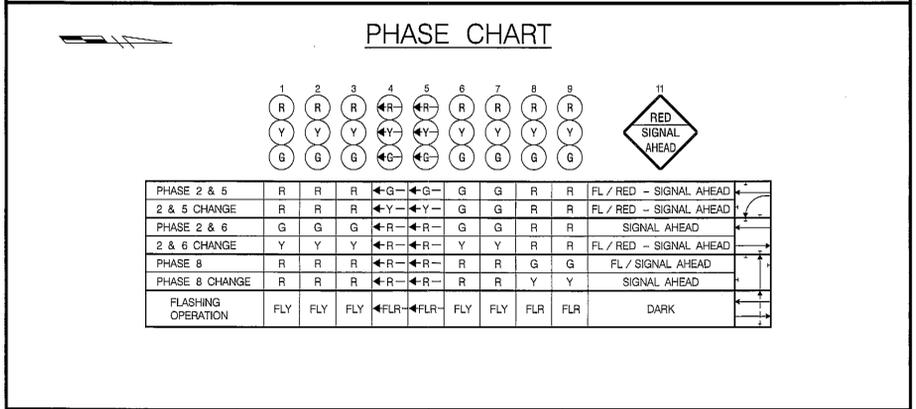
EQUIPMENT LIST "B"
 B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
LS	MOBILIZATION
1 CY	TEST PIT EXCAVATION
90 LF	24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
1 EA	ECONOLITE CONTROLLER AND CABINET - BASE MOUNT
27 EA	12 INCH LED SIGNAL HEAD SECTION
12.1 CY	CONCRETE FOUNDATION
1 EA	16.5 FT. SPECIAL "T" TYPE MAST ARM POLE & 60 FT. MAST ARM
1 EA	16.5 FT. SPECIAL "T" TYPE MAST ARM POLE & 50 FT. MAST ARM
1 EA	27 FT. TWIN MAST ARM POLE & 60FT/60 FT MAST ARMS
1 EA	10 FT. LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE
2 EA	CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE
16 EA	ELECTRICAL HANDHOLE
35 LF	2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
160 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED
865 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
400 LF	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
45 LF	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
2 EA	VIDEO DETECTION CAMERA WITH 200 FT. LEAD-IN CABLE
1 EA	METERED SERVICE PEDESTAL EMBEDDED
780 LF	FURNISH AND INSTALL 12-PAIR COMMUNICATION CABLE - UNDERGROUND
45 LF	ELECTRICAL CABLE 1 - CONDUCTOR (NO. 4 A.W.G.) - THHN /THWN
55 LF	ELECTRICAL CABLE 5 - CONDUCTOR (NO. 14 A.W.G.)
385 LF	ELECTRICAL CABLE 7 - CONDUCTOR (NO. 14 A.W.G.)
110 LF	ELECTRICAL CABLE 2 - CONDUCTOR (NO. 12 A.W.G.)
235 LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
2 EA	W3-3 (36" X 36") WITH "NEW" PANEL (30" X 30") - GROUND MOUNT
2 EA	D3-1 (VAR X 16") SINGLE FACE SIGN - MAST ARM MOUNT
1 EA	W3-3 MOD L.E.D. "RED SIGNAL AHEAD" SIGN (60" X 60") - MAST ARM MOUNT
1 EA	R10-11B (24" X 24") SIGN - MAST ARM MOUNT
1 EA	M95-1 (72" X 24") SIGN - MAST ARM MOUNT
1 EA	R3-4 (24" X 24") SIGN - MAST ARM MOUNT
1 EA	REMOVE EXISTING SIGN AND GROUND MOUNTED SUPPORTS
1 EA	REMOVE AND RELOCATE EXISTING SIGN AND GROUND MOUNTED SUPPORT
6 EA	3 / 4 x 10 FT. GROUND RODS
2 EA	NON-INVASIVE MICRO-LOOP PROBE WITH LEAD IN CABLE

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.



WIRING KEY

A	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TRAY CABLE
B,C,D,E	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
F,G,H,J,K	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
M,N	VIDEO DETECTION CABLE
R	12-PAIR VOICE GRADE INTERCONNECT CABLE
T	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
U	1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.) 3-WIRE
V,W,X,Y	MICRO-LOOP PROBE LEAD IN
PT	PROPOSED TELEPHONE SERVICE
PS	PROPOSED ELECTRIC SERVICE
X	GROUND ROD
⊞	METER SERVICE PEDESTAL

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

MD 2 & CEDAR HILL BLVD.
 GLEN BURNIE, MD

TRAFFIC CONCEPTS, INC.

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

GENERAL INFORMATION PLAN

SCALE NONE DATE 1-30-09 CONTRACT NO. BW996M82

DESIGNED BY M.R./S.R. COUNTY ANNE ARUNDEL
 DRAWN BY M. ROSEN LOGMILE
 CHECKED BY S. RENZI T.I.M.S. NO. J 408
 F.A.P. NO. N/A TOD NO.

DRAWING NO. TS 4702 GI SHEET NO. 2 OF 5