

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING EMERGENCY TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 175 AND CLARK ROAD/BLOBS PARK ROAD IN ANNE ARUNDEL COUNTY. MD 175 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. WORK WILL CONSIST OF REPLACING THE STRAIN POLE ON THE NORTH-EAST CORNER OF THE INTERSECTION DUE TO WIDENING.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A FLASHING MODE UNTIL ACTUATED BY A PUSHBUTTON LOCATED THE FIREHOUSE. WHEN ACTUATED, THE MD 175 SIGNAL INDICATIONS TURN RED. THIS OPERATION WILL NOT CHANGE.

CONTROLLER REQUIREMENTS

A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN POLE MOUNTED CABINET EXISTS AT THE INTERSECTION.

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
1 LS	MAINTENANCE OF TRAFFIC
1 CY	TEST PIT EXCAVATION
1 EA	FURNISH AND INSTALL 12 IN. X 30 FT. STRAIN POLE
6 EA	FURNISH AND INSTALL 12 IN. L.E.D. VEHICULAR SIGNAL HEAD SECTION
4 EA	FURNISH AND INSTALL 8 IN. L.E.D. VEHICULAR SIGNAL HEAD SECTION
1 LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
10 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
3 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
15 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER WIRE
1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
1 EA	FURNISH AND INSTALL GROUND ROD 3/4 IN. DIAMETER X 10 FT. LENGTH
50 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
300 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 A.W.G.)
110 LF	FURNISH AND INSTALL STEEL SPAN WIRE (1/4 IN. DIAMETER)
200 LF	FURNISH AND INSTALL STEEL SPAN WIRE (3/8 IN. DIAMETER)
1 EA	FURNISH AND INSTALL D3-2 DUAL FACE SIGN (VAR. X 16") - SPAN WIRE MOUNT
1 EA	FURNISH AND INSTALL W11-8(1) SIGN (72" X 36") - SPAN WIRE MOUNT
1 EA	REMOVE EXISTING POLE FOUNDATION 1 FT. BELOW GRADE

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 5 ARE AS FOLLOWS:

MRS. KIM TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 841-1003

MR. CHARLES GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 841-1002

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 841-1005

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

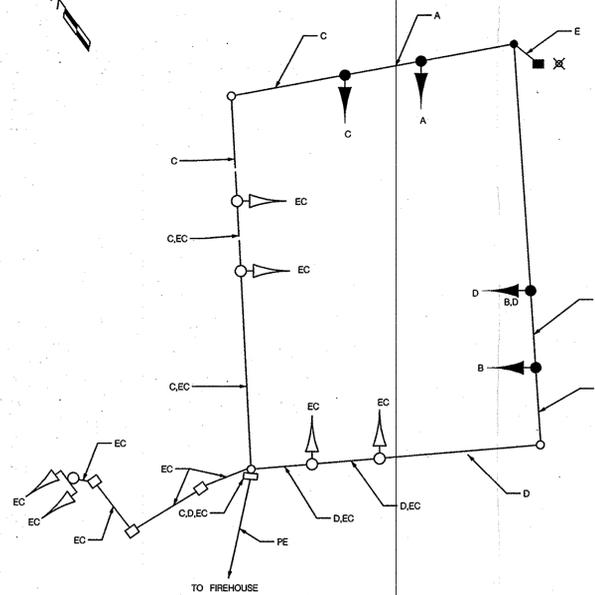
MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

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

PHASE CHART

	1	2	3	4	5	6	7	8	9	9a	
NORMAL OPERATION	8" FLY	8" FLY	8" FLY	8" FLY	8" FLR	8" FLR	8" FLR	8" FLR	FLR	DARK	DARK
PRE-EMPTION WARNING	8" QFLY	8" QFLY	8" QFLY	8" QFLY	12" FLR	12" FLR	12" FLR	12" FLR	FLR	DARK	DARK
CHANGE	12" Y	12" Y	12" Y	12" Y	12" R	12" R	12" R	12" R	FLY	FLY	
ALL RED PRE-EMPTION	12" R	FLY	FLY								
CHANGE	12" R	FLY	FLY								
FLASHING OPERATION	12" FLY	12" FLY	12" FLY	12" FLY	12" FLR	12" FLR	12" FLR	12" FLR	FLR	DARK	DARK

WIRING DIAGRAM



WIRING KEY

A-B	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C-D	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
E	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
EC	EXISTING CABLE
X	GROUND ROD
PE	PRE-EMPTION CABLE

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

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
MD 175 AND CLARK RD/BLOBS PARK RD.

SCALE	NONE	DATE	2-9-06	CONTRACT NO.	BW996M82
DESIGNED BY	T. ZAYDEL	COUNTY	ANNE ARUNDEL		
DRAWN BY	T. ZAYDEL	LOGMILE	02017508.19		
CHECKED BY	K. SCHMID	T.I.M.S. NO.	H149		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS-1419B GI	SHEET NO.	2	OF	2