PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES A NEW INSTALLATION OF A FIREHOUSE PUSH BUTTON TRAFFIC CONTROL LOCATED ON MD 213 AT CHESAPEAKE CITY VFD FIREHOUSE AND A SOUTHBOUND PREEMPTION PHASE ADDED TO THE EXISTING SIGNAL LOCATED ON MD 213 AT BOHEMIA MANOR HIGH SCHOOL. A H.I.B. WILL BE INSTALLED IN ADVANCE OF THE CHESAPEAKE CITY FIRE HOUSE ON NORTHBOUND MD 213 IN CECIL COUNTY.

MD 213 IS ASSUMED TO RUN IN A NORTH -SOUTH DIRECTION.

INTERSECTION OPERATION

THE HAZARD IDENTIFICATION BEACON OPERATES IN A PRE-EMPTION MODE.

A. EQUIPMENT TO BE SUPPLIED BY THE STATE OF MARYLAND.

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9570	9	SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN 1 EA W11-8 36" X 36"
9571	12	SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN 1 EA W11-8 36" X 36" 1 EA S4-4 36" X 15"

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

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
8001	2	EA	12 INCH LED SIGNAL HEAD SECTION R Y G
8012	1	EA	INSTALL BREAKAWAY PEDESTAL POLE - ANY SIZE
8022	1	EA	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT
8032	100	LF	FIREHOUSE PREEMPTION BUTTON , ASSOCIATED CONDUIT AND HARDWARE
8034	1385	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8035	250	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED
8036	18	LF	WOOD SIGN SUPPORTS UP TO 4 X 6 INCHES
8038	43	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN INCLUDING ALL HARDWARE
8040	1735	LF	NO 6 AWG STRANDED BARE COPPER GROUND WIRE
8046	13	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8053	2725	LF	ELECTRICAL CABLE - 2 CONDUCTOR NO 14 AWG
8056	1930	LF	ELECTRICAL CABLE - 7 CONDUCTOR NO 14 AWG

PROJECT CONTACTS

THE CONTACT PERSONS ARE AS FOLLOWS:

Mr. Robert Kiel
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Terry Wright
Assistant District Engineer - Maintenance

Mr. Sonny Bailey
Sign Shop
410-787-7670

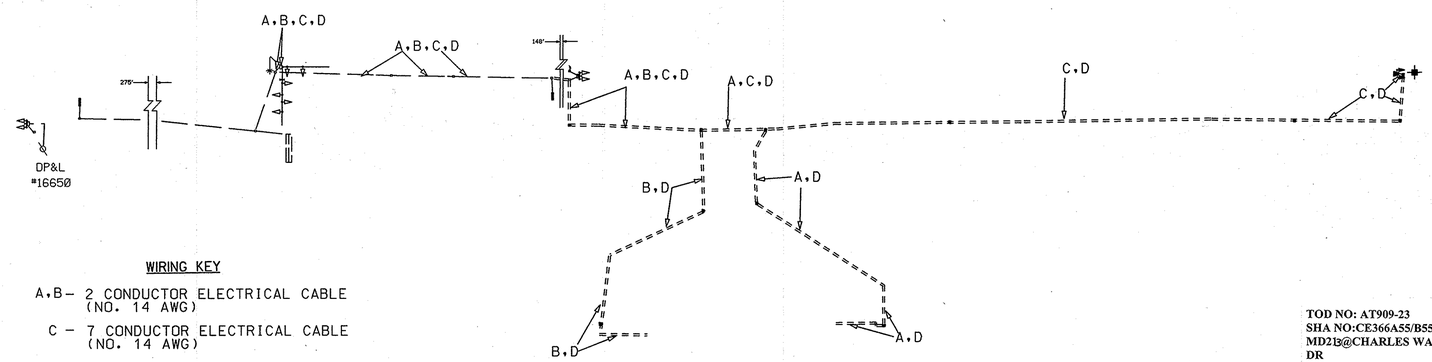
Mr. Barry Clothier
Assistant District Engineer - Utility
Phone: (410) 810-3274

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	
	Y	Y	R Y G	R Y G	Y	Y	R Y G	R Y G	R Y G	R Y G	
Phases 2 and 6	DARK	DARK	G	G	DARK	DARK	G	G	R	R	
Phase 2 & 6 Change	DARK	DARK	Y	Y	DARK	DARK	Y	Y	R	R	
Phase 4	DARK	DARK	R	R	DARK	DARK	R	R	G	G	
Phase 4 Change	DARK	DARK	R	R	DARK	DARK	R	R	Y	Y	
Firehouse Clearance Phase 2 & 6	FL/Y	FL/Y	G	G	DARK	DARK	Y	Y	R	R	
Firehouse Pre-Emption	FL/Y	FL/Y	G	G	DARK	DARK	R	R	R	R	
Firehouse Clearance Phase 4	FL/Y	FL/Y	R	R	DARK	DARK	R	R	Y	Y	
Firehouse Pre-Emption	FL/Y	FL/Y	G	G	DARK	DARK	R	R	R	R	
Flashing Operation	DARK	DARK	FL/Y	FL/Y	DARK	DARK	FL/Y	FL/Y	FL/R	FL/R	

WIRING DIAGRAM



WIRING KEY

A,B - 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

C - 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

D - STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)

⏚ - GROUND ROD

TOD NO: AT909-23
SHA NO:CE366A55/B55
MD213@CHARLES WARTON DR

BAI BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD; SUITE 110
COLUMBIA, MARYLAND 21045
(410)-884-3607

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

MD 213 AND BOHEMIA MANOR HIGH SCHOOL & CHESAPEAKE CITY VFD
CECIL COUNTY, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. DATE 08/2000 CONTRACT NO. AW-628-501-585

DESIGNED BY
DRAWN BY J.HENKEL
CHECKED BY W. FITCH
F.A.P. NO.
COUNTY CECIL
LOGMILE 07021308.18
T.I.M.S. NO. F782
TOD NO. XX106E1-46

DRAWING NO. 3793 B
SHEET NO. 3 OF 3

PLOTTED: MONDAY, OCTOBER 15, 2007 AT 9:49:36 AM
FILE: PGD-P001_MD213.DGN

BY: FANUSZEWSKI