

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN ACCESSIBLE PEDESTRIAN PUSHBUTTON SYSTEM (APS) /COUNTDOWN PEDESTRIAN SIGNAL (CPS) EQUIPMENT AND ADA COMPLIANT RAMP AT THE EXISTING INTERSECTION OF ELKRIDGE LANDING RD AND TERMINAL RD IN ANNE ARUNDEL COUNTY, MARYLAND.

ELKRIDGE LANDING RD IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION SHALL CONTINUE TO OPERATE IN A NEMA FOUR-PHASE, FULLY-ACTUATED MODE, WITH THE ELKRIDGE LANDING RD APPROACHES RUNNING CONCURRENTLY. THE EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR WESTBOUND ELKRIDGE LANDING RD WILL CONTINUE TO OPERATE AS EXISTING. THE TERMINAL RD APPROACH WILL CONTINUE TO OPERATE AS EXISTING. ALL PEDESTRIAN PHASE OPERATION SHALL REMAIN AS EXISTING, WITH AUDIBLE ACTUATED PEDESTRIAN SIGNALS INSTALLED ON THE WEST LEG OF THE INTERSECTION.

III. SPECIAL NOTES

- THE PROPOSED APS FUNCTIONS AS FOLLOWS:
 - WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL BE "WAIT TO CROSS ELKRIDGE LANDING AT TERMINAL. WAIT"
 - WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.
- THE CONTRACTOR SHALL PURCHASE AND DELIVER THE 2-WIRE CENTRAL CONTROL UNIT FOR THE CONTROLLER TO SHA SIGNAL SHOP, AT 7491 CONNELLY ROAD, HANOVER, MD 21076. MR. EDWARD RODENHIZER AT 410-787-7652 SHALL BE CONTACTED AT LEAST 3 DAYS PRIOR TO THE DELIVERY.

THE CONTACT PERSONS FOR DISTRICT #5 (ANNE ARUNDEL COUNTY, CALVERT COUNTY, ST MARY'S COUNTY) ARE AS FOLLOWS:

MR. LEE STARKLOFF
DISTRICT ENGINEER
PHONE: (410) 841-1001

MR. JAMES FOLDEN
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 841-1031

MRS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. ROBERT L. SNYDER
ASSISTANT CHIEF - TRAFFIC
PHONE: (443) 572-5229

MR. JOE GECKLE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1000

MR. MIKE HUBER
UTILITY ENGINEER
PHONE: (410) 841-1039

MR. AVIJIT MAJI
DIVISION CHIEF - TRAFFIC
PHONE: (410) 787-7630

MR. DON MACLEAN
MGTA ACTING TRAFFIC MANAGER - TRAFFIC SECTION
PHONE: (410) 537-7848

MR. ED RODENHIZER
CHIEF - SIGNAL SHOP
PHONE: (410) 787-7670

EQUIPMENT LIST

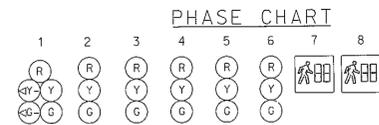
A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM CODE	QTY	UNITS	DESCRIPTION
9571	25	SF	SHEET ALUMINUM SIGNS
			2 EA W11-2 (36"X36")
			1 EA W16-7P(L) (21"X15")
			1 EA W16-7P(R) (21"X15")
			2 EA R10-3(1) (9"X15")

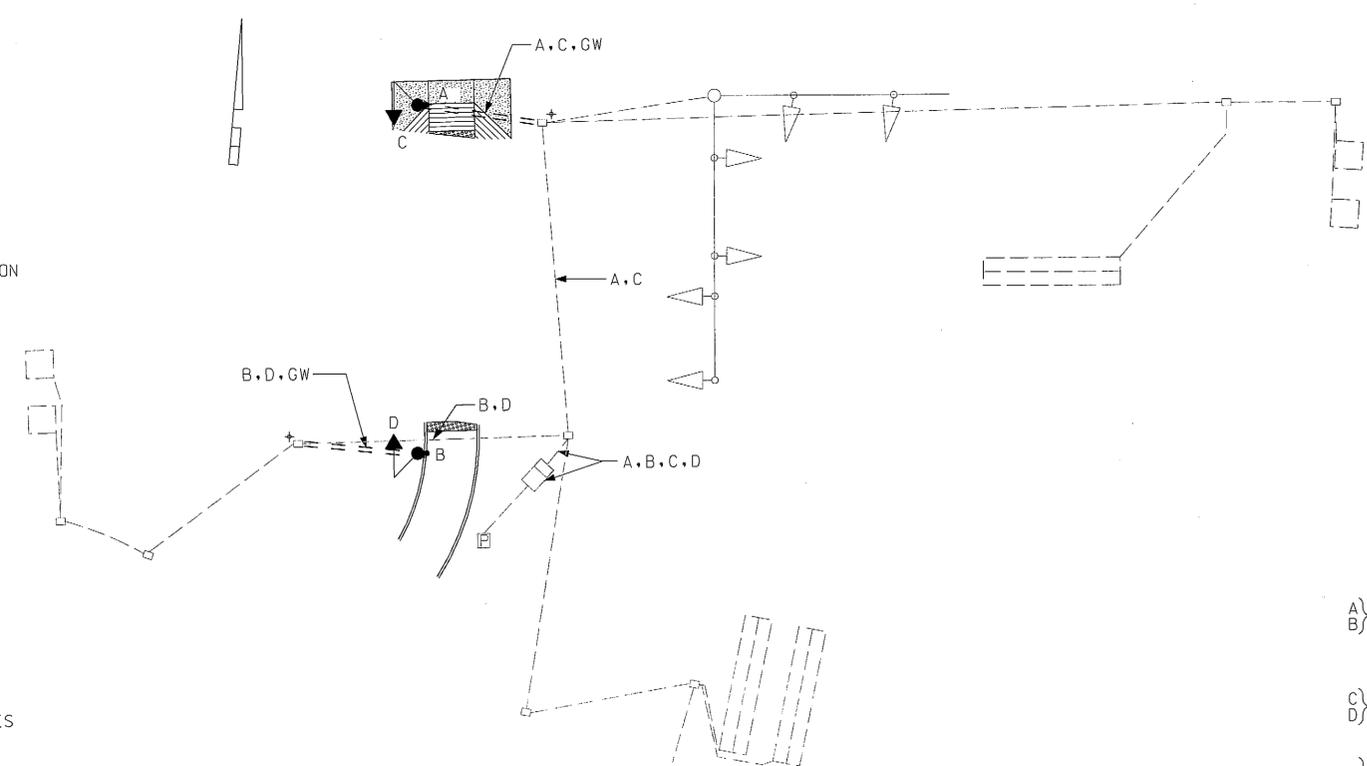
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM CODE	QTY	UNITS	DESCRIPTION
5003	100	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	105	LF	12 INCH WHITE HEAT APPLIED PERMANENT PAVEMENT MARKING LINES
6002	650	SF	5 IN. CONCRETE SIDEWALK
6003	40	SF	DETECTABLE WARNING SURFACE FOR CURB RAMP
8002	1	EA	2 WIRE CENTRAL CONTROL UNIT
8008	2	EA	AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8018	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8043	60	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8044	32	LF	WOOD SIGN SUPPORTS UP TO 4' X 6'
8045	25	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8047	70	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8058	200	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8060	210	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

C. ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



PHASE	1	2	3	4	5	6	7	8
PHASE 2 & 5	G	G	R	R	R	R	DW	DW
2 & 5 CHANGE	G	G	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	DW	DW
PHASE 4	R	R	R	R	G	G	DW	DW
4 CHANGE	R	R	R	R	Y	Y	DW	DW
PHASE 4 ALT	R	R	R	R	G	G	WK	WK
PED CLEAR / COUNTDOWN	R	R	R	R	G	G	FL/DW	FL/DW
4 ALT CHANGE	R	R	R	R	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK



WIRING KEY

- A) 2-CONDUCTOR ELECTRICAL CABLE, NO. 14 AWG/THHN
- B) 5-CONDUCTOR ELECTRICAL CABLE NO. 14 AWG-THHN/THWN
- C) 5-CONDUCTOR ELECTRICAL CABLE NO. 14 AWG-THHN/THWN
- D) 5-CONDUCTOR ELECTRICAL CABLE NO. 14 AWG-THHN/THWN
- GW) STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- + GROUND ROD

TOD NO: XY139-03
SHA NO: AA189B53
MD 162, MD 170, MD 176 @ Various Locations

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
ELKRIDGE LANDING ROAD AND TERMINAL ROAD
LINTHICUM HEIGHTS, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 02/12/2013 CONTRACT NO. XY1395185

DESIGNED BY JRL COUNTY ANNE ARUNDEL
DRAWN BY SES LOGMILE 02SELK00.4
CHECKED BY AJM TMS NO. L653
FAP.NO. TOD NO.

TS NO. TS-3518A SHEET NO. 21 OF 33

T3 design
T3 DESIGN, P.C.
3927 OLD LEE HWY
SUITE 101-C
FAIRFAX, VA 22030
PHONE: 703-959-5861
www.t3design.us