

BORDER REV. DATE: March 27, 2007



BY: Joost Van Boekhold Division: P068 Highway TrafficGMA Emp

PROJECT DESCRIPTION

I. GENERAL
THIS PROJECT INVOLVES INSTALLING APS/CPS PEDESTRIAN EQUIPMENT ON THE WEST LEG OF THE INTERSECTION OF MD 214 (CENTRAL AVENUE) AT MD 253 (MAYO ROAD)/ ENTRANCE TO CENTRAL SCHOOL COMPLEX IN ANNE ARUNDEL COUNTY. MD 214 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION
THIS INTERSECTION OPERATES IN A NEMA SIX-PHASE FULLY-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT-TURN PHASE FOR THE WESTBOUND MOVEMENT OF MD 214. THERE IS AN EXCLUSIVE PERMISSIVE LEFT-TURN PHASE FOR THE NORTHBOUND MOVEMENT OF MD 253. THERE IS AN ALTERNATE PEDESTRIAN PHASE ACROSS THE WEST LEG OF THE INTERSECTION.

III. PEDESTRIAN OPERATION
NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTONS TO CROSS THE WEST LEG OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
WEST: "WAIT TO CROSS CENTRAL AT MAYO. WAIT"
WHEN THE WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

CONTACT PERSONS

THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

DISTRICT	OFFICE OF TRAFFIC AND SAFETY
MS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC 410-841-1019	MR. AVIJIT MAJI CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. MIKE HUBER UTILITY ENGINEER 410-841-1039	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. JOE GECKLE ASSISTANT DISTRICT ENGINEER - MAINTENANCE 410-841-1013	MR. ED RODENHIZER MANAGER SIGNAL OPERATIONS 410-787-7650
MR. JAMES FOLDEN ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 410-841-1031	MR. EUGENE BAILEY MANAGER SIGN OPERATIONS 410-787-7670
	MR. MIKE STOCKER SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: MD 104.04-13 THROUGH MD 104.04-16.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION
ITEM NO. QUANTITY UNIT DESCRIPTION
NONE

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

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
2001	48	CY	CLASS 2 EXCAVATION
2002	1	CY	TEST PIT EXCAVATION
5003	508	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	336	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	189	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	1060	SF	5 INCH CONCRETE SIDEWALK
6003	63	SF	DETECTABLE WARNING SURFACE FOR CURB RAMP
8002	1	EA	2-WIRE CENTRAL CONTROL UNIT
8005	1	EA	ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER
8008	2	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	2	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8018	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8043	55	LF	UP TO 4 INCH SCHEDULE 90 RIGID PVC CONDUIT-TRENCHED
8047	70	LF	NO. 6 AWG STRANDED BARE COPPER WIRE
8058	310	LF	ELECTRICAL CABLE 2 CONDUCTOR (NO. 14 AWG)

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

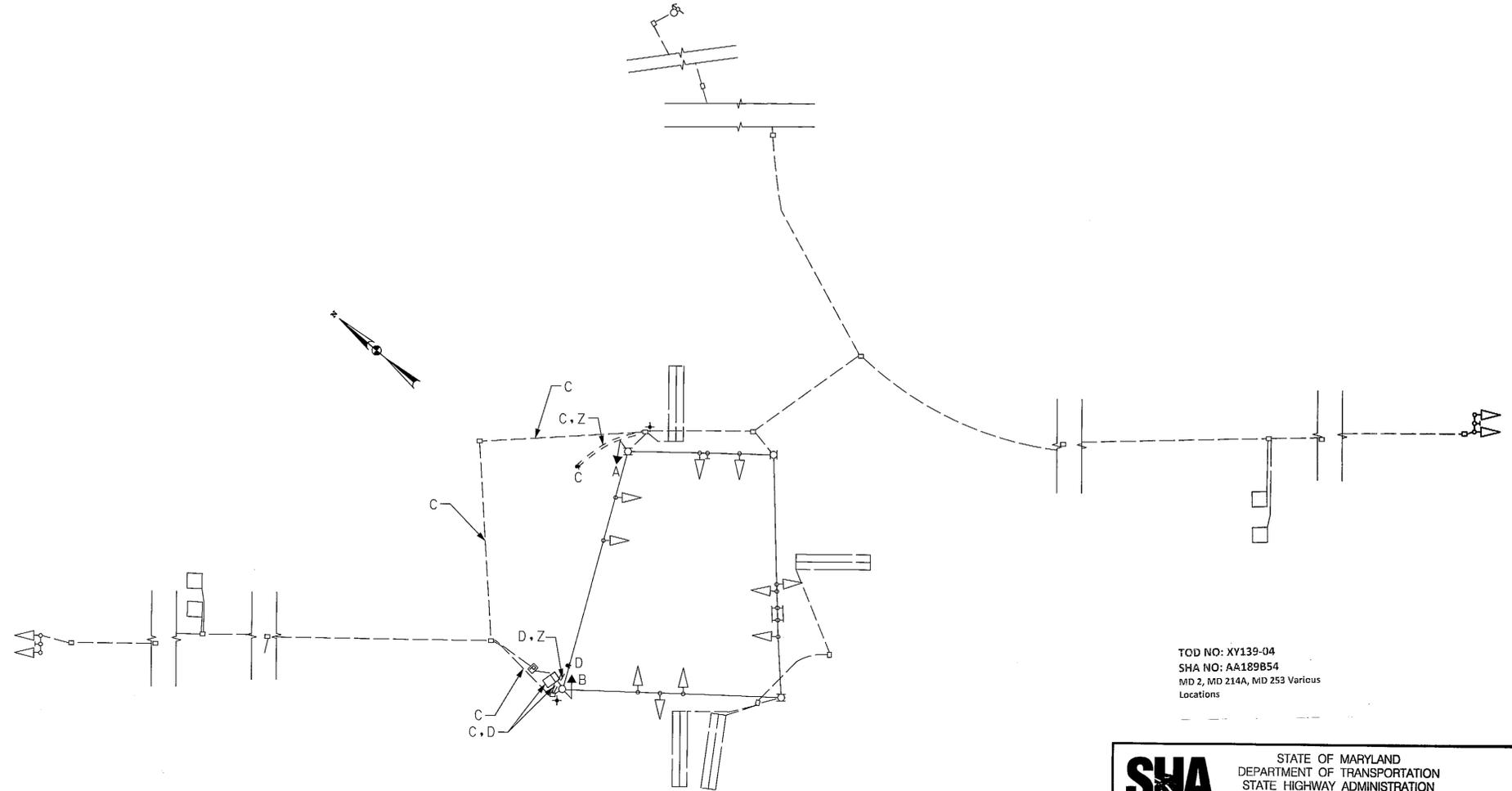
PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 & 5	R	R	<LG-G	<LG-G	G	R	R	R	R	R	DW	DW
5 CHANGE	R	R	<Y-G	<Y-G	G	R	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	G	R	R	R	R	R	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW
PHASE 3 & 8	R	R	R	R	R	<LG-G	<LG-G	G	R	R	DW	DW
3 CHANGE	R	R	R	R	R	<Y-G	<Y-G	G	R	R	DW	DW
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	G	DW	DW
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	R	G	G	G	G	G	WK	WK
PED CLEARANCE	R	R	R	R	R	G	G	G	G	G	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

FIRE HOUSE PRE-EMPTION												
PRE-EMPTION PHASE 4 & 8	R	R	R	R	R	G	G	G	G	G	DW	DW
PRE-EMPTION CLEARANCE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW

WIRING DIAGRAM



WIRING KEY
A, B - CONNECT TO EXISTING CABLE
C, D - ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
Z - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
+ - GROUND ROD

TOD NO: XY139-04
SHA NO: AA189B54
MD 2, MD 214A, MD 253 Various Locations

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 214 (CENTRAL AVENUE) AT MD 253 (MAYO ROAD) ENTRANCE TO CENTRAL SCHOOL COMPLEX
EDGEWATER, MARYLAND

GENERAL INFORMATION SHEET
SCALE: NTS ADVERTISED DATE: JANUARY 2013 CONTRACT NO: XY1395185
DESIGNED BY: JVB/AMH OF KCI COUNTY: ANNE ARUNDEL
DRAWN BY: JVB OF KCI LOGMILE: 02021406.63
CHECKED BY: JFL OF KCI TMS NO: 1652
F.A.P. NO. TOD NO.

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