PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF APS PUSHBUTTONS AND COUNTDOWN PEDESTRIAN SIGNAL HEADS FOR THE NORTH LEG OF THE MD 5 @ MD 637 INTERSECTION. IN ADDITION, A NEW MAST ARM WITH SIGNAL HEADS WILL BE INSTALLED TO STOP NORTHBOUND MD 5 TRAFFIC WHEN THE PUSHBUTTON IS PUSHED.

SHA SIGNAL FORCES SHALL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.

PROJECT CONTACTS

MR. RICH BAKER, CHIEF
TRAFFIC CONTROL DEVICE INSPECTION SECTION
410-787-7643

MR. SONNY BAILEY, SUPERVISOR
SIGN OPERATIONS SECTION
410-787-7670

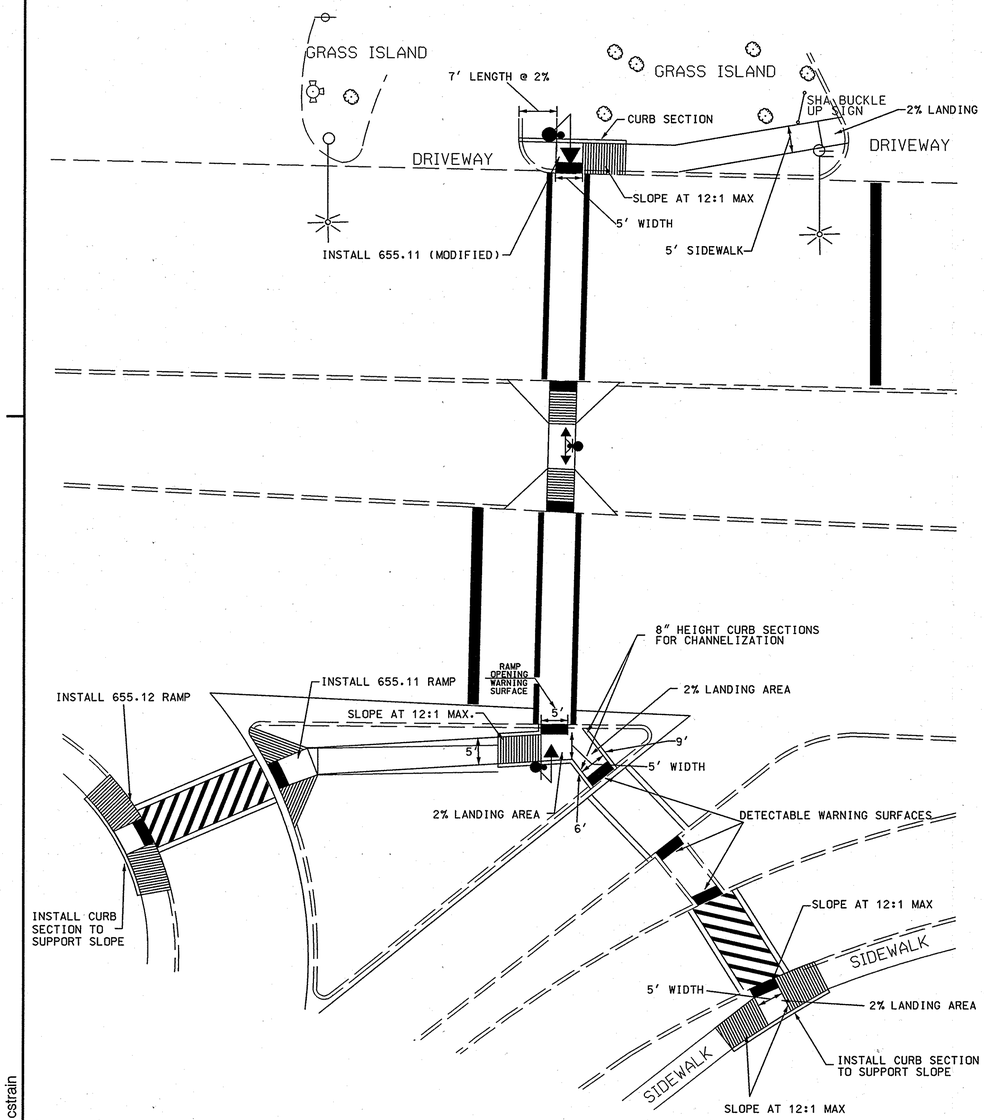
MR. BRIAN YOUNG
ASST. DIST. ENG.-TRAFFIC
301-513-7404

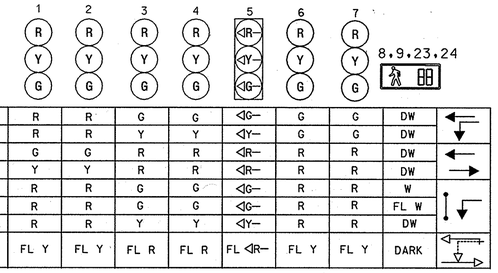
MR. ED RODENHIZER, SUPERVISOR
SIGNAL OPERATIONS SECTION
410-787-7652

MR. WAYNE MOWDY
ASST. DIST. ENG.-MAINTENANCE
301-513-7304

MR. AUGIE REBISH
DIST UTILITY ENGINEER
301-513-7350

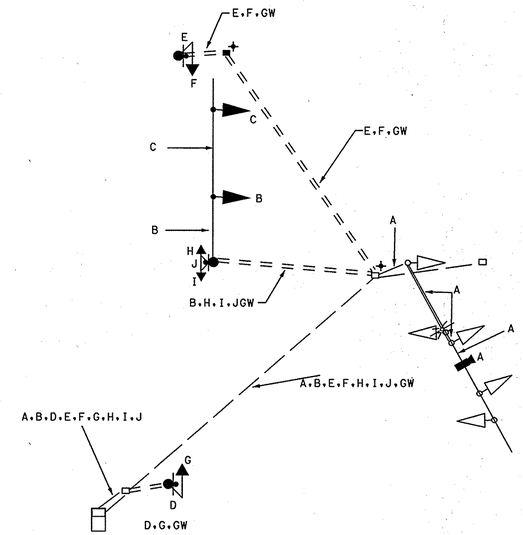
RAMP DETAIL
SCALE 1:15





	1	2	3	4	5	6	7	8.9.23.24
PHASES 02 & 05	R	R	G	G	◁G—	G	G	DW
02 & 05 CHANGE	R	R	Y	Y	◁Y—	G	G	DW
PHASES 02 & 06	G	G	R	R	◁R—	R	R	DW
02 & 06 CHANGE	Y	Y	R	R	◁R—	R	R	DW
ALTERNATE 04	R	R	G	G	◁G—	R	R	W
PED CLEAR	R	R	G	G	◁G—	R	R	FL W
ALTERNATE 04 CHANGE	R	R	Y	Y	◁Y—	R	R	DW
FLASHING OPERATION	FL Y	FL Y	FL R	FL R	FL ◁R—	FL Y	FL Y	DARK

WIRING DIAGRAM



A	VIDEO DETECTION LEAD IN CABLE
B,C,F,G,H,I	5-CONDUCTOR #14AWG
D,E,J	2-CONDUCTOR #14 AWG
GW	#6 STRABDED BARE COPEER GROUND WIRE
⏚	GROUND ROD: 3/4" X 10' LENGTH

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT:1-4 CAMERAS
9570	43.75 SF	SHEET ALUMINUM GROUND MOUNTED SIGN
		- 5 EA 36"X36" W11-2 PEDESTRIAN CROSSING SIGN W/ 15"X21" M6-2 ARROW
9571	3 SF	SHEET ALUMINUM SIGN MAST ARM/POLE MOUNTED
		- 3 EA 9"X15" R10-3(1) PUSHBUTTON TO CROSS "BRANCH AVE"

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

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	SEE CURTIS DR QUANTITIES	MAINTENANCE OF TRAFFIC
2002	3 CY	TEST PIT EXCAVATION
5003	300 LF	F&I 12" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	75 LF	F&I 24" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	40 LF	REMOVAL OF EXISTING PAVEMENT MARKINGS-ANY WIDTH
6001	100 LF	F&I STANDARD TYPE A COMBINATION CURB AND GUTTER-12"GUTTER PAN 8" DEPTH
6002	1100 SF	4" CONCRETE SIDEWALK
8001	6 EA	F&I 12" (RYG)LED SIGNAL HEAD SECTION
8003	1 EA	F&I 2-WIRE CENTRAL CONTROL UNIT
8010	3 EA	F&I AUDIBLE/TACTILE PUSHBUTTON STATION AND SIGNS
8011	2 EA	F&I BREAKAWAY PEDESTAL POLE (ANY SIZE)
8014	4 EA	F&I LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD
8017	SEE CURTIS DR QUANTITIES	REMOVE AND DISPOSE OF EXISTING EQUIPMENT PER ASSIGNMENT
8024	75 LF	F&I UP TO 4" SCH 80 RIGID PVC CONDUIT-BORED
8026	60 LF	F&I UP TO 4" SCH 80 RIGID PVC CONDUIT-TRENCHED
8027	100 SF	F&I DETECTABLE WARNING SURFACES
8030	5 CY	CONCRETE FOR SIGNAL FOUNDATION
8032	85 LF	F&I WOOD SIGN SUPPORTS 4"X6"
8033	250 LF	F&I #6 STRANDED BARE COPPER GROUND WIRE
8044	1 EA	F&I ELECTRICAL HANDHOLE
8045	43.75 SF	INSTALL GROUND MOUNTED SIGN
8046	3 SF	INSTALL OVERHEAD SIGN
8047	1 EA	F&I VIDEO DETECTION CAMERA AND CABLE UP TO 500' LENGTH
8052	2 EA	F&I GROUND ROD-3/4" X 10' LENGTH
8056	1 EA	CUT,CLEAN,GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8058	450 LF	F&I ELECTRICAL CABLE 2-CONDUCTOR #14AWG
8060	700 LF	F&I ELECTRICAL CABLE 5-CONDUCTOR #14AWG
8064	1 EA	INSTALL STEEL POLE AND SINGLE MAST ARM, ANY SIZE
NEG	125 LF	F&I DEPRESS CURB AND GUTTER

TOD NO: AT925-14
SHA No: PG587A53/B53
MD 5 @ Curtis Drive; MD 5 @ MD 637

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

MD 5 @ MD 637 (Naylor Rd)

GENERAL INFORMATION SHEET

SCALE 1:20 DATE 8/28/98 CONTRACT NO. P-388-000-385

DESIGNED BY C STRAIN COUNTY PRINCE GEORGE'S
DRAWN BY C STRAIN LOGMILE 16000514.76
CHECKED BY J BIDDLE TIMS NO. H344
FAP NO. TOD NO.

TS NO.1070-G1 DRAWING - OF SHEET NO. OF

PLOTTED: Thursday, April 26, 2007 at 2:55:48 PM
FILE: MD 5 @ MD 637.dgn

BY: cstrain