PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a pushbutton activated crossing across the south leg of the intersection at US 1 @ Cherry Hill Rd in College Park, Prince George's County. Additionally, the eastbound E/P double right turn will converted to an exclusive movement and the signal heads on the southbound, westbound and eastbound approaches will be converted to LED heads.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 5-phase, Fully-actuated mode, with an excusive double left turn for NB US 1 and an exclusive double right turn for EB Cherry Hill Road. A pushbutton activated crossing will operate on the south leg of the intersection.

PUSHBUTTON MESSAGES

SOUTH LEG

WAIT: "WAIT TO CROSS BALTIMORE AT CHERRY HILL. WAIT."
WALK: RAPID TICK

CONTACTS

DISTRICT

MS. FELECIA MURPHY
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE NUMBER

MR. VICTOR GRAFTON
ASSISTANT DISTRICT ENGINEER - UTILITIES
301-513-7350

MR. VERNON STINNET
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

MR. STEVE HALPERN
CITY OF COLLEGE PARK
240-487-3590

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

GENERAL NOTES

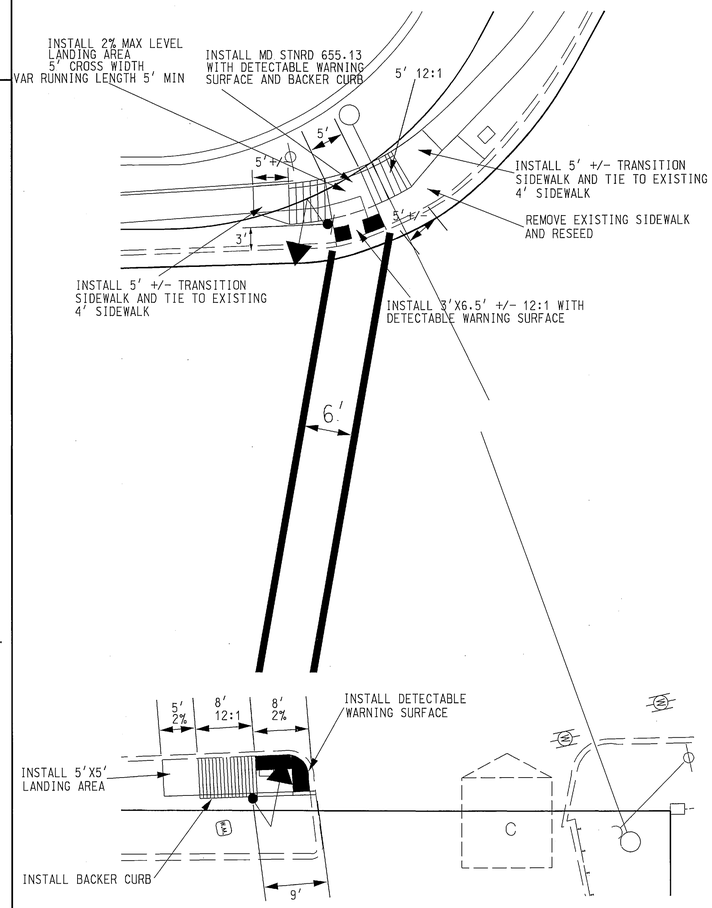
1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
7. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
8. LOCATIONS OF ACCESSIBLE PEDESTRIAN PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTION 4E-09 AND FIGURE 4E-2 AND THE NCHRP PUBLICATION " ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF THESE LOCATIONS CANNOT BE MET THE CONTRACTOR IS TO STOP WORK UNTIL THE CONFLICT IS RESOLVED OR A DESIGN WAIVER, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY, HAS BEEN OBTAINED
9. PUSHBUTTONS ARE TO BE LOCATED SO THAT A PERSON IN A WHEELCHAIR LOCATED ON THE 60"X60" LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18". A LEVEL LANDING AREA IS DEFINED AS AN AREA WITH A CROSS SLOPE OF LESS THAN 2%.
10. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACES OF THE PUSHBUTTON, NOT THE CENTERS OF THE POLES.
11. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.

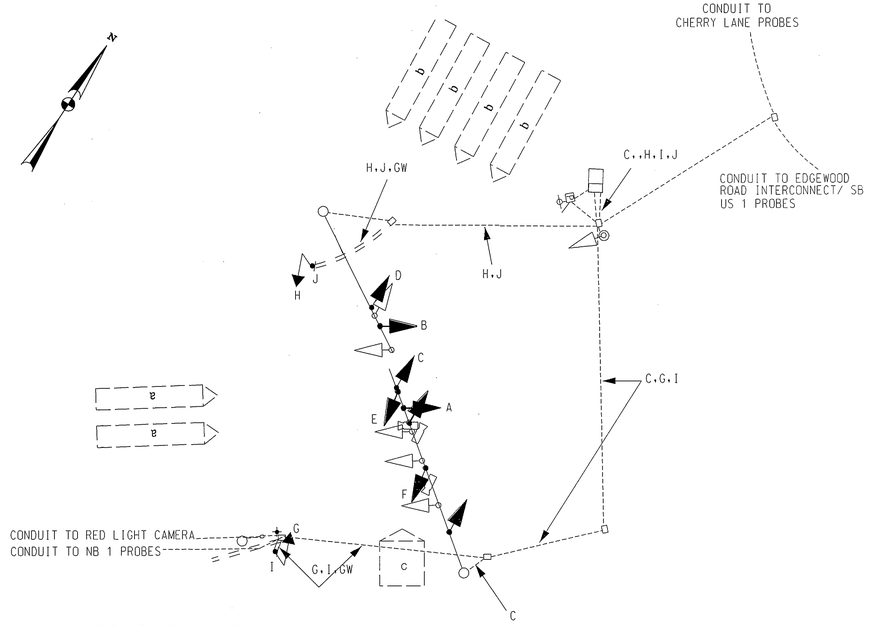
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9571	23 SF	SHEET ALUMINUM SIGN MAST ARM/POLE MOUNTED

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

ITEM #	QUANTITY	ITEM DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC
5003	20 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LINES
5004	140 LF	F&I 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	60 LF	F&I STANDARD TYPE A COMBINATION CURB AND GUTTER 12" PAN 8" DEPTH
6002	300 LF	F&I 5" CONCRETE SIDEWALK
6003	30 SF	F&I DETECTABLE WARNING SURFACE FOR CURB RAMPS
8001	18 EA	F&I 12" LED SIGNAL HEAD SECTION
8002	1 EA	F&I 2-WIRE CENTRAL CONTROL UNIT
8004	6 EA	F&I 8" LED SIGNAL HEAD SECTION
8005	1 EA	ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER
8008	2 EA	F&I AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON
8009	2 EA	F&I BREAKAWAY PEDESTAL POLE ANY SIZE
8015	2 EA	F&I 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
8023	1 EA	REMOVE AND DISPOSE OF EQUIPMENT-PER ASSIGNMENT
8039	50 LF	F&I UP TO 4" SCH 80 RIGID PVC CONDUIT-TRENCHED
8041	23 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN
8043	100 LF	F&I NO 6AWG STRANDED BARE COPPER GROUND WIRE
8054	450 LF	F&I ELECTRICAL CABLE-2 CONDUCTOR NO 14AWG
8056	475 LF	F&I ELECTRICAL CABLE-5 CONDUCTOR NO 14AWG
8057	300 LF	F&I ELECTRICAL CABLE-7 CONDUCTOR NO 14AWG





A,B,D,E,F USE EXISTING CABLE
I,J 2-CONDUCTOR #14AWG
G,H 5-CONDUCTOR #14AWG
C 7-CONDUCTOR #14AWG
3/4"X 10' LENGTH GROUND ROD
GW #6 AWG STRANDED BARE COPPER GROUND WIRE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14,15	
Phase 1 & 6	G	G	G	G	G	R	R	R	R	G	G	R	R	DW	
1 Change	Y	Y	G	G	Y	R	R	R	R	Y	Y	R	R	DW	
Phase 2 & 6	R	R	G	G	R	G	G	R	R	R	R	R	R	DW	
2 & 6 Change	R	R	Y	Y	R	Y	Y	R	R	R	R	R	R	DW	
Phase 4 & 8	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	
4 & 8 Change	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	
Phase 4 & 8 ALT	R	R	R	R	R	R	R	G	G	G	G	G	G	WALK	
PED CLEAR	R	R	R	R	R	R	R	G	G	G	G	G	G	WALK	
4 & 8 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	
Flashing Operation	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	

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

US 1 (BALTIMORE AVENUE) @ CHERRY HILL ROAD

COLLEGE PARK, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1" = 20' ADVERTISED DATE 2/1/2012 CONTRACT NO. XX6555185

DESIGNED BY C STRAIN
DRAWN BY C STRAIN
CHECKED BY D DODA
F.A.P.NO. SEE TITLE SHEET

COUNTY PRINCE GEORGE'S
LOGMILE 16000106.15
TIMS NO. J426
TOD NO.

TS NO. 534J | DRAWING GI-1 OF 1 | SHEET NO. 2 OF 2

BY: cstrain

PLOTTED: Tuesday, March 27, 2012 at 9:01:20 AM
FILE: GI Sheet.dgn