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

RED LIGHT CAMERA
[1] TRAFFICPAX. INC
8775 CENTER PARK DRIVE #557
COLUMBIA. MD 21045-2177
443-367-0007

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

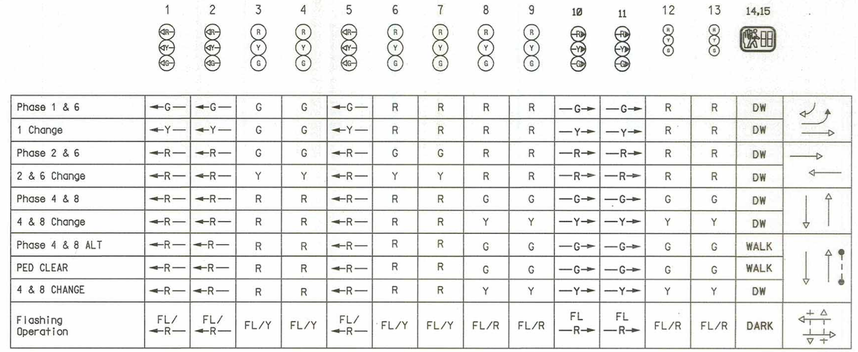
1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS 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.

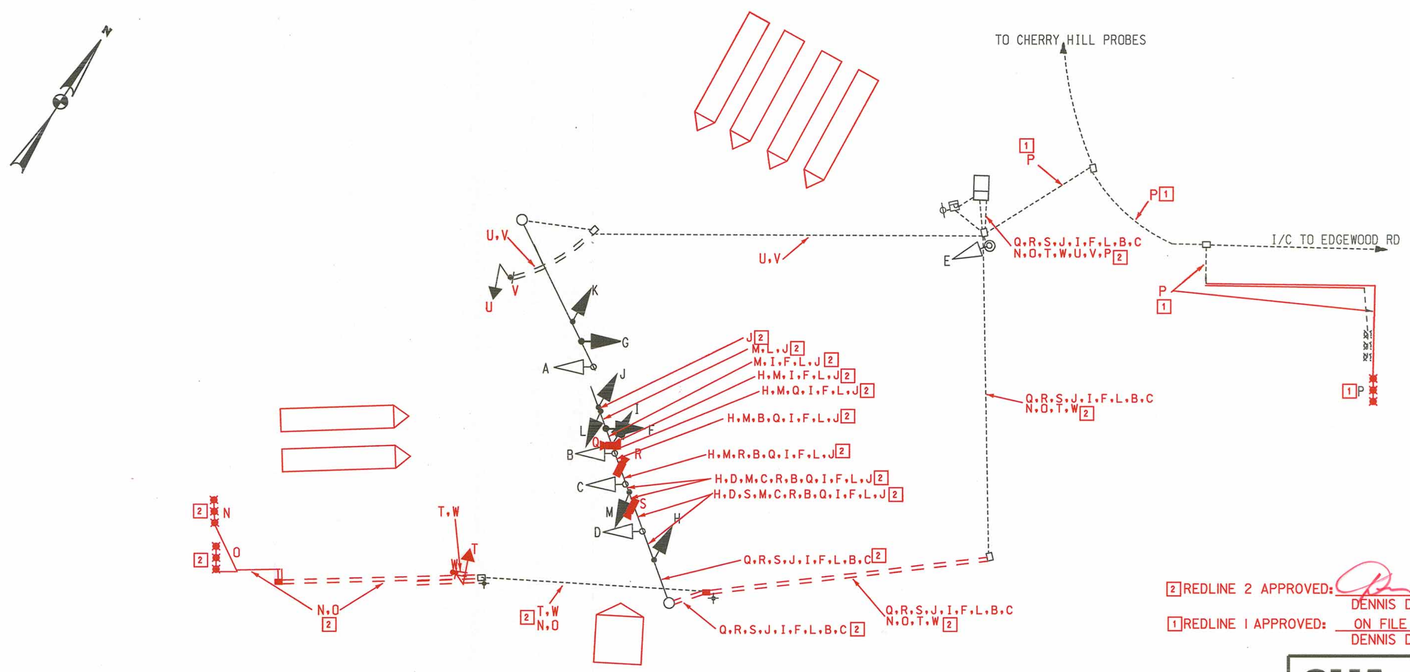
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

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
[2]	[1]	5004	140 LF	F&I 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
180 LF	~~90 LF~~	6001	~~60 LF~~	F&I STANDARD TYPE A COMBINATION CURB AND GUTTER 12" PAN 8" DEPTH
[1] 525 SF		6002	~~300 LF~~	F&I 5" CONCRETE SIDEWALK
[1] 40 SF		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
	[2]	~~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
[2] 85 LF		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
[2] 600 LF		8056	~~475 LF~~	F&I ELECTRICAL CABLE-5 CONDUCTOR NO 14AWG
[2] 1700 LF		8057	~~300 LF~~	F&I ELECTRICAL CABLE-7 CONDUCTOR NO 14AWG
[2] 0 LF		8033	~~400 LF~~	DISCONNECT. PULL BACK AND REROUTE CABLES
	[1]	8037	200 LF	UP TO 4 INCH SCH 80 RIGID PVC CONDUIT-BORED
[2] 3 EA		8021	~~1 EA~~	F&I MICROLOOP PROBE-ANY LENGTH LEAD IN
	[2]	8028	3 EA	F&I VIDEO DETECTION CAMERA AND CABLE
	[2]	8029	6 LF	F&I 1" DETECTOR SLEEVE GALVANIZED OR LIQUID TIGHT
	[2]	8047	3 EA	F&I ELECTRICAL HANDHOLE





A,E,G,K	USE EXISTING CABLE
T,U M,H,D	[2] 5-CONDUCTOR #14 AWG
V,W	2-CONDUCTOR #14 AWG
B,C,J,L,F,I	[2] 7-CONDUCTOR #14 AWG
Q,R,S	[2] VIDEO DETECTION CABLE
N,O,P	[2] MICRO-PROBE LEAD IN
+	[2] GROUND ROD

[2] REDLINE 2 APPROVED: 3-1-13
DENNIS DODA, TEDD TEAM LEADER

[1] REDLINE 1 APPROVED: ON FILE
DENNIS DODA, TEDD TEAM LEADER

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. 3 OF 3

PLOTTED: $DATETIME$
FILE: $FILE$

BORDER REV: DATE: June 1, 2004
DRILL HOLES
BY: $USERNAME$