

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 193 (WATKINS PARK DRIVE) AND CHESTERTON DRIVE IN PRINCE GEORGE'S COUNTY, MARYLAND. MODIFICATIONS INCLUDE THE REPLACEMENT OF THE EXISTING IN-PAVEMENT PRESENCE LOOP DETECTORS WITH VIDEO DETECTION FOR THE EASTBOUND AND WESTBOUND CHESTERTON DRIVE APPROACHES. MD 193 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA TWO PHASE, SEMI-TRAFFIC-ACTUATED MODE WITH THE MD 193 APPROACHES OPERATING CONCURRENTLY AND THE CHESTERTON DRIVE APPROACHES OPERATING CONCURRENTLY.

CONTROLLER REQUIREMENTS

THE EXISTING NEMA SIZE '6' BASE MOUNTED CABINET AND EIGHT-PHASE CONTROLLER AND ALL ASSOCIATED EQUIPMENT WILL CONTINUE TO BE USED. VIDEO DETECTION INTERFACE EQUIPMENT WILL BE INSTALLED.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. FELECTIA MURPHY
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7404

MR. VERNON STINNETT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. ED RODENHIZER
SUPERVISOR - SIGNAL SHOP
PHONE: (410) 787-7650

MR. VICTOR GRAFTON
ASSISTANT DISTRICT ENGINEER - UTILITY
PHONE: (301) 513-7350

MR. RICHARD L. DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY SHA:

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9086	1	EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1002	1	EA	MAINTENANCE OF TRAFFIC
8007	1	EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8008	2	EA	VIDEO DETECTION CAMERA AND CABLE

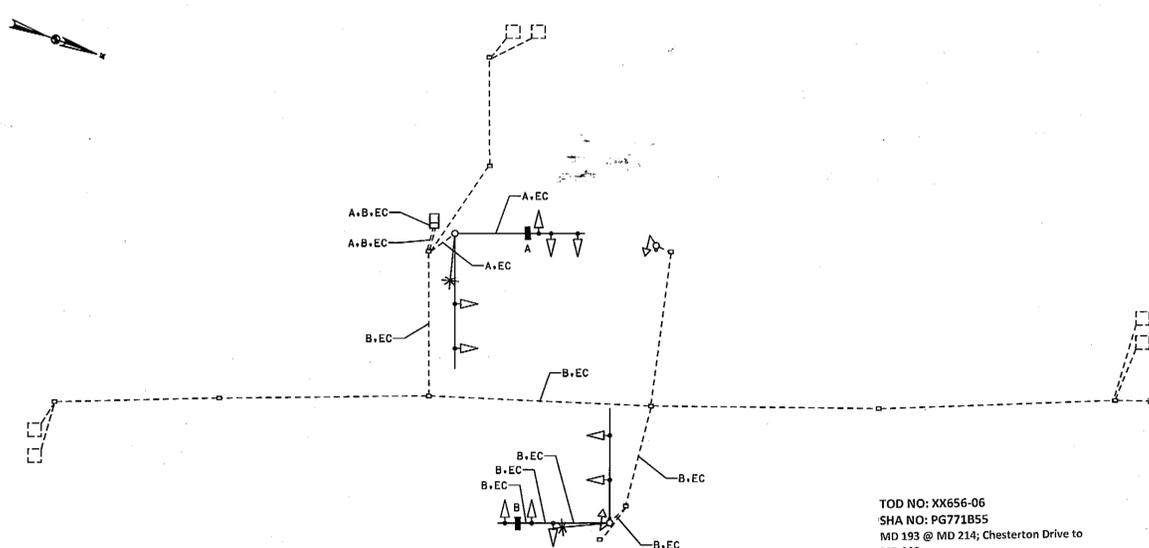
EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA:
NONE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	15	16
	(R)	(R)										
	(Y)	(Y)										
	(G)	(G)										
PHASE 2 + 6	G	G	G	G	R	R	R	R	R	R	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 4 + 8	R	R	R	R	G	G	G	G	G	G	DW	DW
4 + 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
PHASE 4 ALT	R	R	R	R	G	G	G	G	G	G	W	W
4 ALT PED CLEARANCE	R	R	R	R	G	G	G	G	G	G	FL/DW	FL/DW
4 ALT PED CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

WIRING DIAGRAM



TOD NO: XX656-06
SHA NO: PG771B55
MD 193 @ MD 214; Chesterton Drive to MD 202

WIRING KEY
A.B } VIDEO DETECTION
LEAD-IN CABLE
EC } EXISTING CABLE

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

MD 193 (WATKINS PARK DRIVE) AT CHESTERTON DRIVE UPPER MARLBORO, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE AUGUST 30, 2011 CONTRACT NO. XX6565185

DESIGNED BY NJM COUNTY PRINCE GEORGE'S
DRAWN BY NJM LOGMILE 16019317.56
CHECKED BY BSH T.I.M.S. NO. K472
F.A.P. NO. T.O.D. NO.

T.S. NO. 3445AGI SG-02 OF SG-02 SHEET NO. 2 OF 2

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BY: itwest