

PROJECT DESCRIPTION

GENERAL

THIS SECTION OF THE PROJECT INVOLVES THE RENOVATION OF AN EXISTING TRAFFIC CONTROL AT THE INTERSECTION OF MD 202 (LARGO RD) AND MD 193 (WATKINS PARK RD) IN PRINCE GEORGE'S COUNTY, MARYLAND. THE MODIFICATION OF THE TRAFFIC SIGNAL CONSISTS OF ADDING VIDEO DETECTION CAMERAS AND CABLES AS REPLACEMENTS FOR THE CURRENT LOOP DETECTORS. MD 202 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE NORTHBOUND AND SOUTHBOUND MD 202 APPROACHES OPERATING CONCURRENTLY AND THE EASTBOUND AND WESTBOUND MD 193 APPROACHES OPERATING SPLIT PHASED. EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING WILL REMAIN FOR THE NORTHBOUND AND SOUTHBOUND MD 202 APPROACHES.

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. FELECIA MURPHY
ASSISTANT DISTRICT ENGINEER - TRAFFIC
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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
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MR. RICHARD L. DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST "A"

B. 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	4	EA	VIDEO DETECTION CAMERA AND CABLE

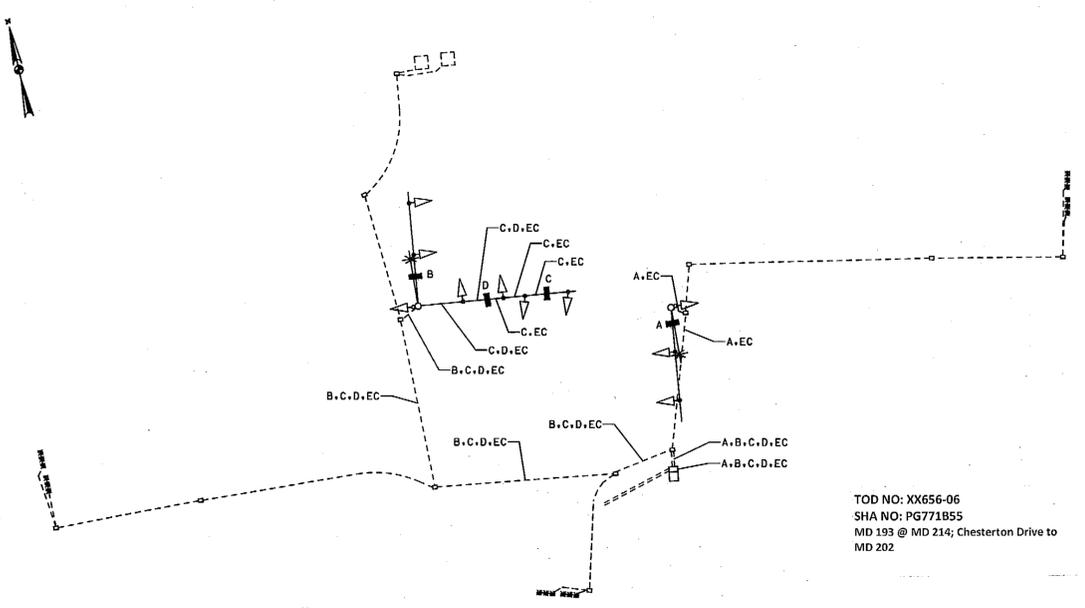
EQUIPMENT LIST "C"

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

PHASE CHART

	1	2	3	4	5	6	7	8	9	10
PHASE 1 + 5	←G	←G	R	←G	←G	R	R	R	R	R
I + 5 CHANGE	PHASE I + 5 MAY CHANGE TO I + 6, 2 + 5, OR 2 + 6									
PHASE 1 + 6	G	G	G	R	R	R	R	R	R	R
I + 6 CHANGE	G	G	G	R	R	R	R	R	R	R
PHASE 2 + 5	R	R	R	←G	←G	G	R	R	R	R
2 + 5 CHANGE	R	R	R	←G	←G	G	R	R	R	R
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R
PHASE 4 + 8	R	R	R	R	R	R	G	G	G	G
4 + 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

- A.B.C.D } VIDEO DETECTION LEAD-IN CABLE
- EC } EXISTING CABLE

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

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

**MD193 (Watkins Park Dr)
MD 202 (Largo Rd)
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	160193.19.37		
CHECKED BY	BSH	T.I.M.S. NO.	K472		
F.A.P. NO.		T.O.D. NO.			
T.S. NO.	2559CGI	SG-02 OF SG-02		SHEET NO.	2 OF 2

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