

PROJECT DESCRIPTION

I. GENERAL:

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 129 (PARK HEIGHTS AVE.) AND MD 130 (GREENSPRING VALLEY RD.) IN BALTIMORE COUNTY. STREET LIGHTING, ROUTE ASSEMBLY AND STREET NAME SIGNS SHALL ALSO BE INSTALLED.

MD 129 (PARK HEIGHTS AVE.) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE. MD 129 APPROACHES OPERATE CONCURRENTLY. MD 130 APPROACHES OPERATE CONCURRENTLY. VIDEO DETECTION CAMERAS AND PROBES SHALL PROVIDE THE ACTUATION.

A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A SIZE '6' BASE MOUNTED CABINET SHALL BE INSTALLED AT THE INTERSECTION.

III. SPECIAL NOTES:

THE CONTRACTOR SHALL CONTACT MR. ROBERT SNYDER, QOTS-TOD, AT 410-787-7631, PROVIDE SEVENTY-TWO (72) HOURS NOTICE PRIOR TO THE COMPLETION OF PROJECT TO ARRANGE FOR THE TELEPHONE DROP. THE CONTRACTOR SHALL PROVIDE THE NEAREST HOUSE ADDRESS.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EA	FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN SIZE '6' BASE MOUNTED CABINET.
9003	1 EA	FOUR CHANNEL DETECTOR AMPLIFIER (RACK MOUNTED)
9004	1 EA	VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS)
9571	97 SF	SHEET ALUMINUM MAST ARM MOUNTED SIGNS:
	2 EA	D3-2 'Greenspring Valley RD' (VARIABLE x 16') DUAL FACED
	1 EA	D3-2 'Park Heights AVE' (VARIABLE x 16') DUAL FACED
		SHIELD ASSEMBLY SIGNS
	1 EA	'SOUTH, MD 129, LEFT ARROW' (48" x 75")
	1 EA	'SOUTH, MD 129, RIGHT ARROW' (30" x 51")
	1 EA	'NORTH, MD 129, LEFT ARROW' (48" x 75")
	1 EA	'NORTH, MD 129, RIGHT ARROW' (30" x 51")

PROJECT CONTACTS

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

ASSISTANT DISTRICT ENGINEER TRAFFIC - 410-321-2781

ASSISTANT DISTRICT ENGINEER CONSTRUCTION - 410-321-2821

MR. STEVE MARCISZEWSKI ASSISTANT DISTRICT ENGINEER MAINTENANCE - 410-321-2761

MR. MARK PASQUARIELLO ASSISTANT DISTRICT ENGINEER UTILITIES - 410-321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION 410-787-7631

MR. ED RODENHIZER SECTION CHIEF - SIGNAL OPERATIONS 410-787-7652

MR. JAY THACKER PROJECT MANAGER - TRAFFIC ENGINEERING DESIGN DIVISION 410-787-5856

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	2 EA	MAINTENANCE OF TRAFFIC
2002	3 CY	TEST PIT EXCAVATION
5005	125 LF	24" WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKINGS
8001	24 EA	12" LED SIGNAL HEAD SECTION
8007	2 EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP & LUMINAIRE
8018	1 EA	MAST ARM POLE & 70' MAST ARM ANY "T" DIMENSION
8019	1 EA	MAST ARM POLE & 50' MAST ARM ANY "T" DIMENSION
8021	2 EA	NON-INVASIVE DETECTOR (ANY LENGTH) LEAD-IN CABLE UP TO 1000'
8022	1 EA	REMOVE & DISPOSE OF MATERIALS AND EQUIPMENT (PER ASSIGNMENT)
8024	1 EA	TWIN MAST ARM POLE & 50'/70' MAST ARMS ANY "T" DIMENSION
8026	2 EA	VIDEO DETECTION CAMERA & CABLE UP TO 500'
8034	220 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4" - SLOTTED
8035	690 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4" - TRENCHED
8036	90 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4" - BORED
8039	97 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGNS (INCLUDING ALL HARDWARE)
8041	300 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8043	1 EA	METERED SERVICE PEDESTAL EMBEDDED
8045	60 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG-THHN/THWN
8047	10 EA	ELECTRICAL HANDHOLE
8052	3 EA	CUT, CLEAN, GALVANIZE AND CAP SIGNAL STRUCTURE
8056	110 LF	ELECTRICAL CABLE 5- CONDUCTOR NO. 14 AWG
8057	690 LF	ELECTRICAL CABLE 7- CONDUCTOR NO. 14 AWG
8058	320 LF	ELECTRICAL CABLE 2- CONDUCTOR NO. 12 AWG/ TC
8065	1 EA	INSTALL CONTROLLER AND BASE MOUNTED CABINET

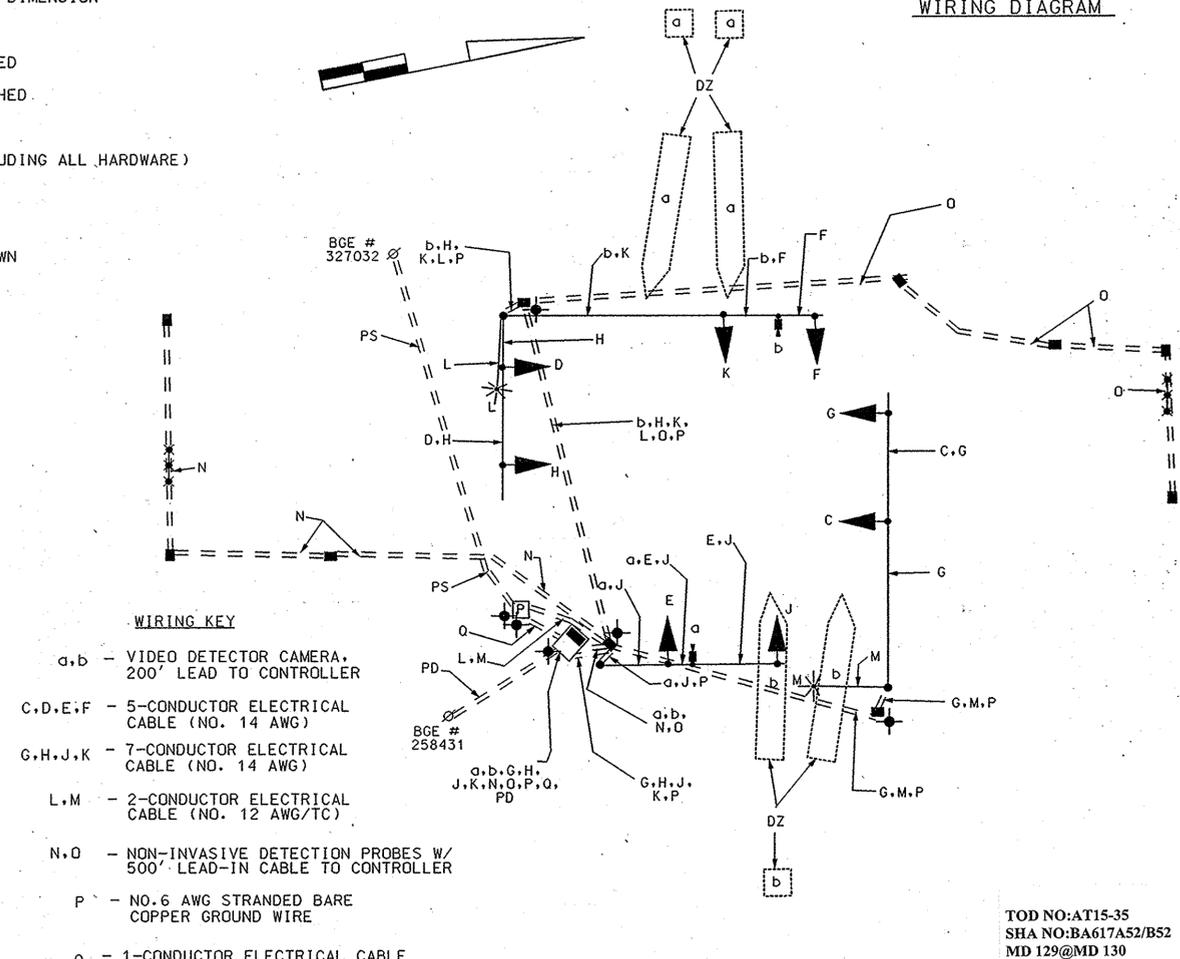
EQUIPMENT LIST "C"

SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE EXISTING CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

EXISTING PHASING

	1	2	3	4	5	6	7	8
	(R) (Y) (G)							
Phase 2 & 6	G	G	G	G	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	R	R	R	R
Phase 4 & 8	R	R	R	R	G	G	G	G
4 & 8 Change	R	R	R	R	Y	Y	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



TOD NO: AT15-35
SHA NO: BA617A52/B52
MD 129@MD 130

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

MD 129 (PARK HEIGHTS AVE.) AND
MD 130 (GREENSPRING VALLEY RD.)

GENERAL INFORMATION SHEET

SCALE NONE DATE 6/13/07 CONTRACT NO. AT9155185

DESIGNED BY EMM COUNTY BALTIMORE
DRAWN BY E.M.MILESKY LOGMILE 030129002.98
CHECKED BY TROY M. HOLLOWAY TMS NO. H 615
FAP NO. TOD NO.

TS NO. 752C DRAWING - OF SHEET NO. 2 OF 2

MM CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'C' 25003.23

BY: emilesky