PROJECT DESCRIPTION

THIS PROJECT INVOLVES UPGRADING THE EXISTING SIGNALS AND PEDESTRIAN INDICATIONS TO LED, ALL LED HEADS ARE BLACK FACED, AT THE INTERSECTION OF MD 450 AT PRINCESS GARDEN PKWY IN PRINCE GEORGE'S COUNTY, MARYLAND
MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

CONTROLLER

EXISTING CONTROLLER TO BE USED.

INTERSECTION OPERATION

THE INTERSECTION IS TO OPERATE IN A NEMA 5-PHASE, FULLY-ACTUATED MODE, WITH "NO CHANGE IN EXISTING OPERATION".

CONTACTS

DISTRICT 3

MR. BRIAN YOUNG
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-513-7404

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7337

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

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST A

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADIMISTRATION

ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
9570	22.5 SF	SHEET ALUMINUM GROUND MOUNTED SIGN (2) W11-2 36 x 36 PEDESTRIAN CROSSING (FY) (1) M6-2 15 x 21 45deg. DOWN RIGHT ARROW (FY) (1) M6-2 15 x 21 45deg. DOWN LEFT ARROW (FY)
9571	6 SF	POLE MOUNTED SIGN (6) R10-3(1) 9 x 15 PUSH BUTTON TO CROSS "ANNAPOLIS RD"
9572	7.5 SF	SHEET ALUMINUM SPAN WIRE MOUNTED SIGN (1) R3-5L 30 x 36 LEFT ONLY (BLK-WHT)

EQUIPMENT LIST B

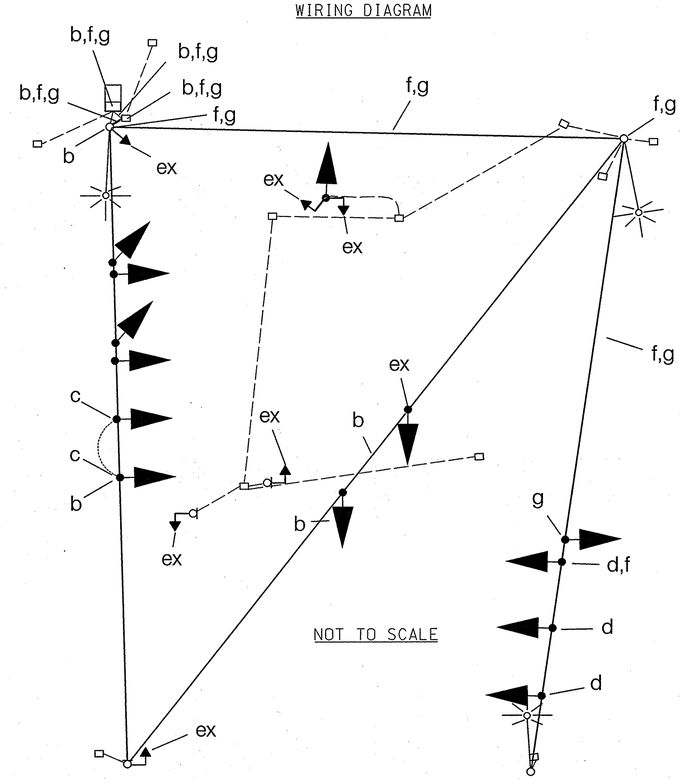
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8002	13 EA	12" RED OR GREEN LED SIGNAL HEAD SECTION
8003	7 EA	12" YELLOW LED SIGNAL HEAD SECTION
8012	1 EA	ADJUST AND RERING EXISTING SPAN WIRE
8024	6 EA	16" LED PEDESTRIAN COUNTDOWN SIGNAL
8025	23 EA	LED SIGNAL MODULE "ANY SIZE"
8041	32 LF	4" x 4" WOOD SIGN SUPPORT
8063	22 SF	INSTALL GROUND MOUNTED SIGNS
8064	14 SF	INSTALL OVERHEAD SIGNS
8071	6 EA	RELOCATE SIGNAL HEAD
8078	135 LF	ELECTRICAL CABLE 5 CONDUCTOR 14 AWG
8079	750 LF	ELECTRICAL CABLE 7 CONDUCTOR 14 AWG
8085	200 LF	1/4" STEEL SPAN WIRE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PHASE 2 & 5	R	R	R	G G	G G	G	G	G	R	R	R	R	R	WK	WK	DW	DW	DW	DW
2 & 5 CHANGE	R	R	R	G Y	G Y	G	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	G	G	R	R	R	R	R	WK	WK	DW	DW	DW	DW
PED CLEARANCE/ COUNTDOWN	G	G	G	G	G	G	G	G	R	R	R	R	R	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 ALT.	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	WK	WK	WK	WK
PED CLEARANCE/ COUNTDOWN	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 ALT. CHANGE	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



NOT TO SCALE

WIRING LEGEND

ex – EXISITNG CABLE
b,d,f – 5 CONDUCTOR (14 AWG)
c,e,g,h – 7 CONDUCTOR (14 AWG)

TOD NO: AT782-81
SHA NO PG694A5F/B5F
MD450@PRINCESS GARDEN

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

MD 450 @ PRINCESS GARDEN PKWY
SIGNAL MODIFICATION

GENERAL INFORMATION

SCALE N/A ADVERTISED DATE _____ CONTRACT NO. _____

DESIGNED BY E. RAUSER
DRAWN BY E. RAUSER
CHECKED BY J. BIDDLE
F.A.P. NO. _____

COUNTY PRINCE GEORGE'S
LOGMILE 16045004.91
TIMS NO. 1649
TOD NO. _____

TS NO. 330C-GI | DRAWING -—- OF - | SHEET NO. 2 OF 2

PLOTTED: Tuesday, November 13, 2007 at 10:56:02 AM
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BY: erauser