

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF STREET LIGHTINGS AT THE INTERSECTION OF MD 197 (LAUREL BOWIE RD) AND OLD MD 450 (ANNAPOLIS RD) IN PRINCE GEORGE'S COUNTY. MD 197 (LAUREL BOWIE RD) IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE. MD 197 (LAUREL BOWIE RD) THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR THE NORTHBOUND TRAFFIC OF MD 197. THE OLD MD 450 (ANNAPOLIS RD) RUNS IN ITS OWN PHASE. THERE IS AN ALTERNATE PEDESTRIAN PHASE FOR THE WEST LEG OF THE INTERSECTION.

CONTACTS

The contact persons for this project are as follows:

Mr. Brian Young (PG)
Assistant District Engineer - Traffic
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Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
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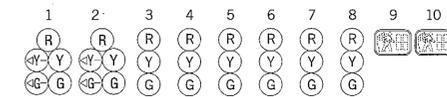
Mr. Augie Rebish
Utility Engineer
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
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Mr. Ed Rodenhizer
Supervisor, Signal Operations
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Mr. Sonny Bailey
Supervisor, Sign Shop
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PHASE CHART



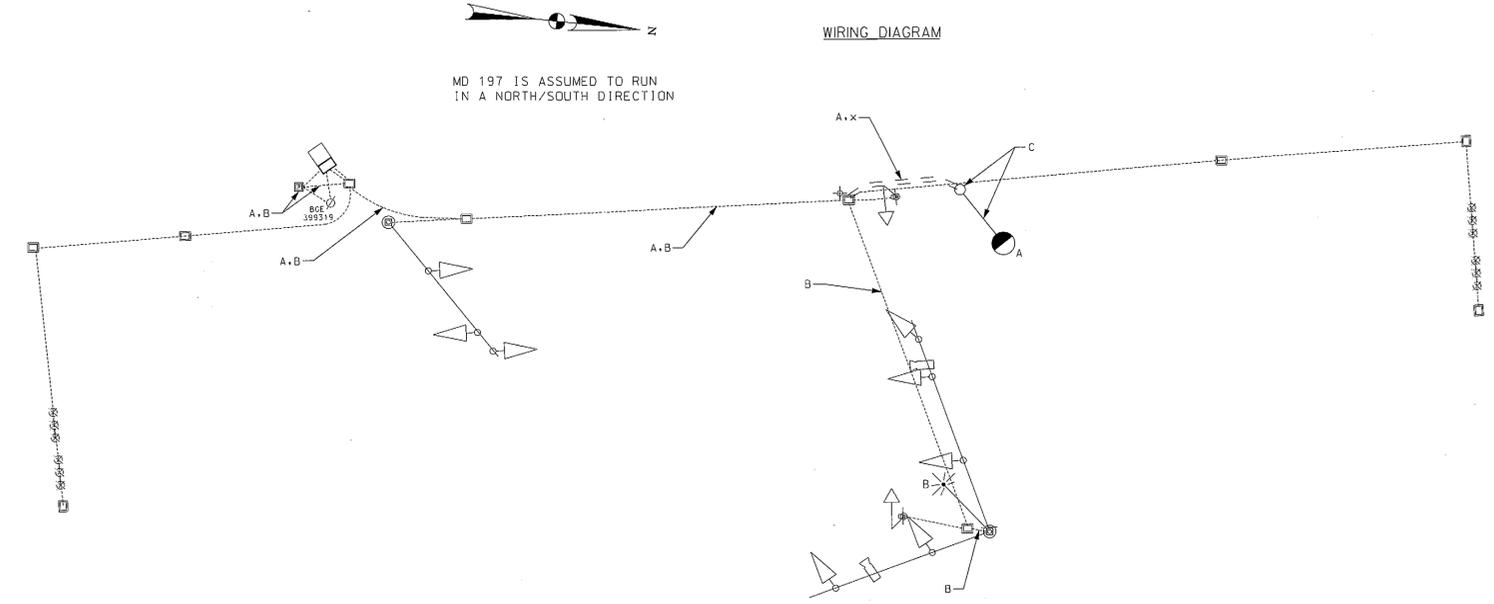
PHASE 2 AND 6	G	G	G	G	G	R	R	R	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	DW	DW
PHASE 1 AND 6	←GG	←GG	G	R	R	R	R	R	DW	DW
1 AND 6 CHANGE	←YG	←YG	G	R	R	R	R	R	DW	DW
PHASE 4	R	R	R	R	R	G	G	G	DW	DW
4 CHANGE	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 4 ALT	R	R	R	R	R	G	G	G	WK	WK
PED CLEARANCE	R	R	R	R	R	G	G	G	FL/DW	FL/DW
4 ALT CHANGE	R	R	R	R	R	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK

EQUIPMENT LIST FOR CONTRACT NO. XX4155185

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

ITEM	QUANTITY	UNIT	DESCRIPTION
2001	1	CY	TEST PIT EXCAVATION
8001	21	CY	CONCRETE FOR TRAFFIC CONTROL DEVICES
8014	35	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8019	35	LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8026	1	EA	40 FOOT LIGHT STRUCTURE - 15 FOOT BRACKET ARM
8029	1	EA	BREAKAWAY BASE SUPPORT SYSTEM FOR LIGHTING STRUCTURE
8030	2	EA	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE WITH PHOTO CELLS
8035	120	LF	CABLE - 1 CONDUCTOR, NO 10 AWG, TYPE THWN/THHN, 600V
8036	1	EA	CONNECTOR KIT - TYPE I
8037	1	EA	CONNECTOR KIT - TYPE II
8040	1	EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8044	530	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)
8045	1	EA	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE
8050	1	EA	NEG - APPROVED - PROVIDE TRAFFIC CONTROL PER ASSIGNMENT

MD 197 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION



WIRING DIAGRAM

- WIRING KEY**
- A, B } 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG TC)
 - C } 1 CONDUCTOR ELECTRICAL CABLE (NO 10 AWG, TYPE THWN/THHN, 600V)
 - x } NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
 - + } GROUND ROD

TOD No: XX415-03
SHA No: PG915A51/B51
MD 197 @ MD 450

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

MD 197 AT MD 450 (OLD)
BOWIE, MARYLAND

GENERAL INFORMATION PLAN SHEET

SCALE: _____ NTS _____ DATE: 11/20/09 CONTRACT NO.: XX4155185

DESIGNED BY: XM COUNTY: PRINCE GEORGE'S
DRAWN BY: XM LOGMILE: 18019703.08
CHECKED BY: JB TMS NO.: K025
F.A.P. NO.: _____ TOD NO.: _____

TS NO. 1792D DRAWING - OF SHEET NO. 2 OF 2

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