PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES TEMPORARY INSTALLATION OF A TRAFFIC CONTROL SIGNAL FOR PHASE I MAINTENANCE OF TRAFFIC PLANS AT THE INTERSECTION OF MD 201 AND MD 212 IN PRINCE GEORGES COUNTY. MD 201 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

DURING PHASE I, THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, PRE-TIMED MODE WITH THE MD 201 APPROACHES OPERATING CONCURRENTLY AND THE MD 212 APPROACHES OPERATING CONCURRENTLY.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASES WILL BE PROVIDED ON THE NORTHBOUND MD 201 AND WESTBOUND MD 212 APPROACHES.

CONTROLLER REQUIREMENTS

INSTALL A FULL-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-12
STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)
STANDARD NO. MD-104.33-01 (SHOULDER WORK)
STANDARD NO. MD-104.35-02 (LANE SHIFT)
STANDARD NO. MD-104.32-02 (INTERSECTION FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. CHARLES WATKINS
DISTRICT ENGINEER
PHONE: (301) 513-7311

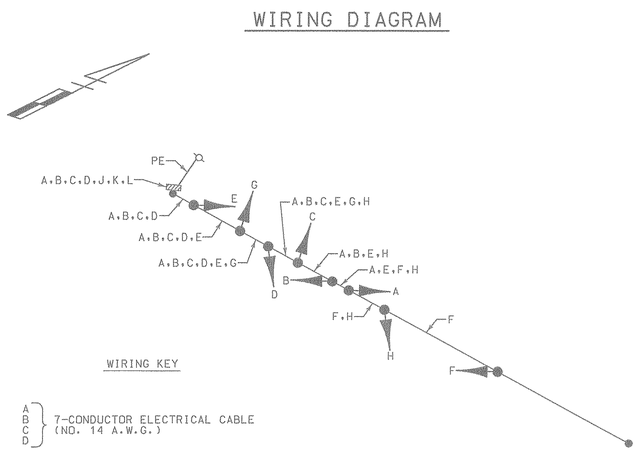
MR. MAJIB SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. RANDY BROWN
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. JOE GECKLE
DISTRICT UTILITIES ENGINEER
PHONE: (301) 513-7350

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

WIRING DIAGRAM



WIRING KEY

A, B, C, D — 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

E, F, G, H — 5-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)

J, K, L — 1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)

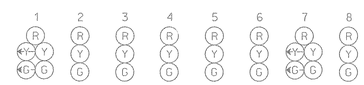
PE - PROPOSED OVERHEAD ELECTRICAL SERVICE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA

CATERGORY CODE NO.	QUANTITY	DESCRIPTION
960002	6 EACH	12 IN., ONE-WAY, THREE-SECTION (R,Y,G) TRAFFIC SIGNAL HEAD - SPAN MOUNT.
960008	2 EACH	12 IN., ONE-WAY, FIVE-SECTION (R,Y,YA,G,GA) TRAFFIC SIGNAL HEAD - SPAN MOUNT.
971016	1 EACH	EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.
973023	22 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 2 EACH R10-12 SIGN (36 IN. X 42 IN.) - SPAN MOUNT.

PHASE CHART



	1	2	3	4	5	6	7	8
PHASE 1 + 6	G ← C —	G	R	R	R	R	R	R
1 + 6 CHANGE	G ← Y —	G	R	R	R	R	R	R
PHASE 2 + 6	G	G	G	G	R	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	R	R	R	R
PHASE 3 + 8	R	R	R	R	R	R	G ← G —	G
3 + 8 CHANGE	R	R	R	R	R	R	G ← Y —	G
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

EQUIPMENT LIST "B"

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

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
120500	LUMP SUM	MAINTENANCE OF TRAFFIC
120610	4 U.D.	ARROW PANEL
120620	300 S.F.	TEMPORARY TRAFFIC SIGNS
130850	LUMP SUM	MOBILIZATION
203030	2 C.Y.	TEST PIT EXCAVATION
805023	30 L.F.	FURNISH AND INSTALL 2 IN. ELECTRICAL CONDUIT-PVC RISER
805026	30 L.F.	FURNISH AND INSTALL 3 IN. ELECTRICAL CONDUIT - PVC RISER
810010	45 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR NO. 4 A.W.G. - THHN/THWN
813015	22 S.F.	INSTALL OVERHEAD SIGN
838003	1 EACH	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT (120/240V, 1 PHASE 3 WIRE SYST)
861107	120 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
861108	360 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
869101	160 L.F.	FURNISH AND INSTALL STEEL SPAN WIRE - 1/4 IN. DIAMETER
869102	160 L.F.	FURNISH AND INSTALL STEEL SPAN WIRE - 3/8 IN. DIAMETER
871201	1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT
800000	8 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
800000	2 EACH	FURNISH AND INSTALL 40 FT. CLASS II WOOD POLE
800000	LUMP SUM	REMOVAL AND DISPOSAL OF EXISTING MATERIAL AND EQUIPMENT
800000	LUMP SUM	REMOVAL OF EXISTING SIGNAL EQUIPMENT TO BE SALVAGED
800000	LUMP SUM	DELIVERY OF SALVAGED SIGNAL EQUIPMENT AND MATERIAL

PHASE I

REVISIONS

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

WR&A
Whitman, Requardt and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 201 (EDMONSTON ROAD) & MD 212 (POWDER MILL ROAD)

DRAWN BY: S.BLOSS	F.A.P. NO.	TS NO. TS-684C	SHEET NO.
CHECKED BY: N.LEARY	S.H.A. NO.		
SCALE: NONE	COUNTY: PRINCE GEORGES	T.I.M.S. NO.	OF
DATE: 9-10-99	LOG MILE:		

M:\96011\31193GII.DGN