PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES EXTENDING THE LENGTH OF THE EXISTING WESTBOUND DOUBLE LEFT TURN LANES. THE PAVEMENT WILL BE RE-STRIPED ON THE EAST LEG TO PROVIDE 750 FEET OF DOUBLE LEFT-TURN LANE. EXISTING TRAFFIC CONTROL SIGNALS FOR BRIGHTSEAT ROAD WILL BE REPLACED WITH BLACK FACED SIGNAL HEADS AND THE INTERCONNECT TO THE SIGNAL AT RAMP HH WILL BE RECONSTRUCTED. MD 202 ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE EXISTING INTERSECTION OPERATION WILL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CONTROLLERS, LOOP DETECTOR AMPLIFIERS, AND ASSOCIATED HARNESSES WILL REMAIN. SETBACK DETECTION FOR WB MD 202 WILL BE REPLACED WITH MICROLOOP PROBES.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Majib Shakib
Assistant District Engineer - Traffic
Phone: 301-513-7358

Mr. Augie Rebish
District Utility Engineer
Phone: 301-513-7350

Mr. Raleigh Medley
Assistant District Engineer - Maintenance
Phone: 301-513-7304

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

The Power Company Representative is:
Potomac Electric Power Company
Eliza Hemingway
4061 Powder Mill Road
Suite 600
Calverton, Maryland 20705
Phone: 301-931-2880

EQUIPMENT LIST 'A'

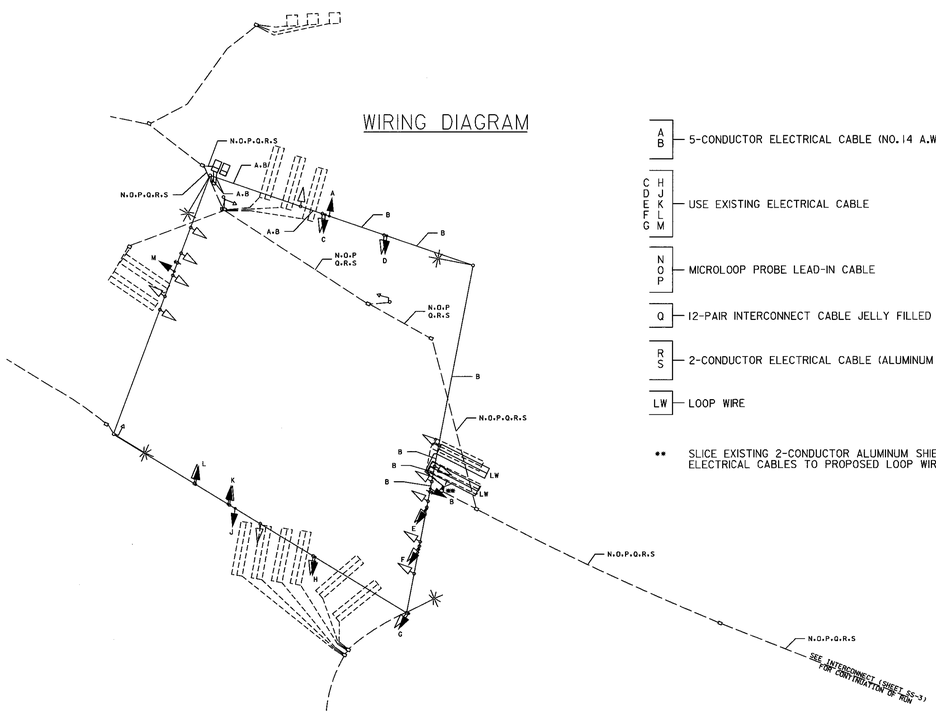
EQUIPMENT TO BE FURNISHED BY THE SHA.
NONE

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

QUANTITY	CATEGORY CODE	DESCRIPTION
55 L.F.	585624	24 IN. WHITE HEAT APPLIED THERMOPLASTIC PERMANENT PREFORMED PAVEMENT MARKING (FOR STOP LINE)
1 LS.	800000	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT
1,150 L.F.	805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
20 L.F..	805160	1 INCH LIQUID TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
3 EA	810555	MICROLOOP PROBE, 1,000 FOOT LEAD-IN CABLE
8 EA	811001	ELECTRICAL HANDHOLE
2,100 L.F.	822002	12-PAIR INTERCONNECT, JELLY FILLED (UNDERGROUND - NO. 19 A.W.G.)
2 EA	860265	RELOCATE EXISTING SIGNAL HEAD
34 EA.	860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
2,150 L.F.	861104	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
550 L.F.	861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
1,700 L.F.	862101	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
400 L.F.	862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)

WIRING DIAGRAM



A B — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

C D E F G H J K L M — USE EXISTING ELECTRICAL CABLE

N O P — MICROLOOP PROBE LEAD-IN CABLE

Q — 12-PAIR INTERCONNECT CABLE JELLY FILLED (NO. 19 A.W.G.)

R S — 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)

LW — LOOP WIRE

** SLICE EXISTING 2-CONDUCTOR ALUMINUM SHIELDED (NO. 14 AWG) ELECTRICAL CABLES TO PROPOSED LOOP WIRES

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
PHASE 1 + 5	~~G~~	~~G~~	~~G~~	R	R	R	~~G~~	~~G~~	~~G~~	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 1 + 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASE 1 + 6, 2 + 5 OR 2 + 6																								
PHASE 1 + 6	~~G~~	~~G~~	~~G~~	G	G	G / ~~G~~	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 1 + 6 CHANGE	~~Y~~	~~Y~~	~~Y~~	Y	Y	Y / ~~Y~~	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 5	~~R~~	~~R~~	~~R~~	R	R	R	~~G~~	~~G~~	~~G~~	G	G	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 5 CHANGE	~~R~~	~~R~~	~~R~~	R	R	R	~~Y~~	~~Y~~	~~Y~~	Y	Y	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 6	~~R~~	~~R~~	~~R~~	G	G	G / ~~G~~	~~R~~	~~R~~	~~R~~	G	G	R	R	R	R	R	R	R	R	R	R	W	W	DW	DW
PED CLEARANCE	~~R~~	~~R~~	~~R~~	G	G	G / ~~G~~	~~R~~	~~R~~	~~R~~	G	G	R	R	R	R	R	R	R	R	R	R	FDW	FDW	DW	DW
PHASE 2 + 6 CHANGE	~~R~~	~~R~~	~~R~~	Y	Y	Y / ~~Y~~	~~R~~	~~R~~	~~R~~	Y	Y	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	G / ~~G~~	G / ~~G~~	G	DW	DW	DW	DW
PHASE 3 CHANGE	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
PHASE 3 ALT	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	G / ~~G~~	G / ~~G~~	G	DW	DW	W	W
PED CLEARANCE	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	G / ~~G~~	G / ~~G~~	G / ~~G~~	DW	DW	FDW	FDW
PHASE 3 ALT CHANGE	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
PHASE 4	~~R~~	~~R~~	~~R~~	R	R	R / ~~G~~	~~R~~	~~R~~	~~R~~	R	R	G / ~~G~~	G	G	G	G	C / ~~G~~	G	R	R	R	DW	DW	DW	DW
PHASE 4 CHANGE	~~R~~	~~R~~	~~R~~	R	R	R / ~~Y~~	~~R~~	~~R~~	~~R~~	R	R	Y	Y	Y	Y	Y	Y	Y	R	R	R	DW	DW	DW	DW
FLASHING OPERATION	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	OUT	OUT	OUT	OUT
FIREHOUSE PRE-EMPTION PHASE A	~~G~~	~~G~~	~~G~~	G	G	G / ~~G~~	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
	~~Y~~	~~Y~~	~~Y~~	Y	Y	Y / ~~Y~~	~~R~~	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
FIREHOUSE PRE-EMPTION PHASE B	~~R~~	~~R~~	~~R~~	R	R	R	~~G~~	~~G~~	~~G~~	G	G	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
	~~R~~	~~R~~	~~R~~	R	R	R	~~Y~~	~~Y~~	~~Y~~	Y	Y	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW

SS-2

STV Incorporated
engineers / architects / planners / scientists / construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 202 (LANDOVER ROAD) AND BRIGHTSEAT ROAD
GENERAL INFORMATION

DRAWN BY: M. THOMPSON	F.A.P. NO. SEE TITLE SHEET	TS NO. 880-F	SHEET NO. 9 OF 16
CHECKED BY: B. BIDDLE	S.H.A. NO. PG3835176		
SCALE: NONE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.	
DATE: DECEMBER, 2002	LOG MILE: 16020210.05		

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DATE: 13-Dec-02 11:58