PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES TRAFFIC SIGNAL MODIFICATIONS TO SUPPORT THE WIDENING OF THE WEST LEG AT THE INTERSECTION OF THE US 301 (CRAIN HIGHWAY) AND MD 382 (CROOM ROAD). US 301 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Ms. Felecia Murphy
Assistant District Engineer - Traffic
Phone: 301-513-7404

Mr. Victor Grafton
District Utility Engineer - Utility
Phone: 301-513-7350

Mr. Mark Shaffer
Assistant District Engineer - Maintenance
Phone: 301-513-7304

Offic of Traffic and Safety

Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
Phone: 410-787-7630

Mr. Edward Rodenhizer
Manager, Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Manager, Sign Operations
Phone: 410-787-7670

Potomac Electric Power Company
8300 Old Marlboro Pike
Upper Marlboro, Maryland 20772
Phone: 301-961-5325

EQUIPMENT LIST 'A'

EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST 'B'

APPROVED SHA EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
800000	10.5 SF	FURNISH AND INSTALL SHEET ALUMINUM SIGNS - MAST ARM/GROUND MOUNT
		1 EA - R3-5(L) (36"X42")
810555	2 EA	MICROLOOP PROBE, 1,000 FOOT LEAD-IN CABLE
810605	2 EA	NON-INVASIVE MICROLOOP PROBE, 1,000 FOOT LEAD-IN CABLE

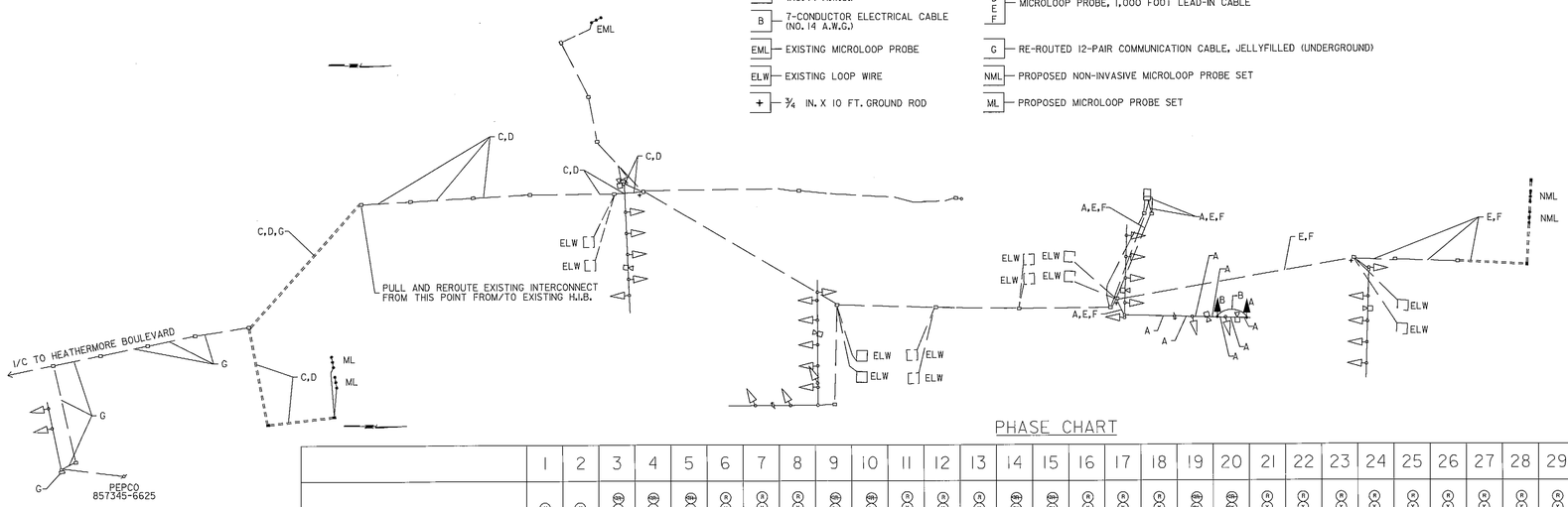
EQUIPMENT LIST 'C'

EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION

ITEM NO.	QUANTITY	DESCRIPTION
120500	1 EA	MAINTENANCE OF TRAFFIC
585624	30 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOSPLASTIC PAVEMENT MARKINGS
800000	1000 LF	PULL AND RE-ROUTE EXISTING COMMUNICATION CABLE
805115	60 LF	3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
805118	350 LF	4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
805135	400 LF	3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
811011	4 EA	ELECTRICAL HANDHOLE
860265	1 EA	RELOCATE EXISTING SIGNAL HEAD
861107	20 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	200 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

WIRING DIAGRAM

- A — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B — 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- EML — EXISTING MICROLOOP PROBE
- ELW — EXISTING LOOP WIRE
- + — 3/4 IN. X 10 FT. GROUND ROD
- C, D, E, F — MICROLOOP PROBE, 1,000 FOOT LEAD-IN CABLE
- G — RE-ROUTED 12-PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND)
- NML — PROPOSED NON-INVASIVE MICROLOOP PROBE SET
- ML — PROPOSED MICROLOOP PROBE SET



NOTE:

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW REQUIRED FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

EAPD PERMIT NO._____

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	26	27	28	29	30	31	US 301 AT SOUTH OSBORNE ROAD	US 301 AT CROOM ROAD
	Y	Y	SW (R) (Y) (G)	SW (R) (Y) (G)	SW (R) (Y) (G)	R Y G	R Y G	R Y G	SW (R) (Y) (G)	SW (R) (Y) (G)	R Y G	R Y G	R Y G	SW (R) (Y) (G)	SW (R) (Y) (G)	R Y G	R Y G	R Y G	SW (R) (Y) (G)	SW (R) (Y) (G)	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R (Y) (G)	R Y G		
PHASE 1 + 5	FL/Y	FL/Y	~~G~~	~~G~~	~~G~~	R	R	R	~~G~~	~~G~~	R	R	R	~~G~~	~~G~~	R	R	R	~~G~~	~~G~~	R	R	R	R	R	R	R	R	R	R	R		
PHASE 1 + 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASE 1 + 6, 2 + 5 OR 2 + 6																																
PHASE 1 + 6	DARK	DARK	~~G~~	~~G~~	~~G~~	G	G	G	~~G~~	~~G~~	G	G	G	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	R	R		
PHASE 1 + 6 CHANGE	DARK	DARK	~~Y~~	~~Y~~	~~Y~~	G	G	G	~~Y~~	~~Y~~	G	G	G	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	R	R	R	R	R	R	R	R		
PHASE 2 + 5	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~G~~	~~G~~	G	G	G	~~G~~	~~G~~	G	G	G	R	R	R	R	R	R	R	R		
PHASE 2 + 5 CHANGE	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~Y~~	~~Y~~	G	G	G	~~Y~~	~~Y~~	G	G	G	R	R	R	R	R	R	R	R		
PHASE 2 + 6	DARK	DARK	~~R~~	~~R~~	~~R~~	G	G	G	~~R~~	~~R~~	G	G	G	~~R~~	~~R~~	G	G	G	~~R~~	~~R~~	G	G	G	R	R	R	R	R	R	R	R		
PHASE 2 + 6 CHANGE	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	Y	Y	Y	~~R~~	~~R~~	Y	Y	Y	~~R~~	~~R~~	Y	Y	Y	~~R~~	~~R~~	Y	Y	Y	R	R	R	R	R	R	R	R		
PHASE 4 / PHASE 4 + 8	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	G	G	G	G	G	G	G	G		
PHASE 4 CHANGE / PHASE 4 + 8 CHANGE	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y		
PRE-EMPT 1, PHASE 3	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~G~~	~~G~~	G	G	G	R	R	R	R	R	R	G / ~~G~~	G		
PRE-EMPT 1, PHASE 3 CHANGE	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	~~Y~~	~~Y~~	Y	Y	Y	R	R	R	R	R	R	Y	Y		
PRE-EMPT 2, PHASE 7	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	~~G~~	~~G~~	G	G	G	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	G	G	G	G	R	R	R	R		
PRE-EMPT 2, PHASE 7 CHANGE	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	~~Y~~	~~Y~~	Y	Y	Y	~~R~~	~~R~~	R	R	R	~~R~~	~~R~~	R	R	R	Y	Y	Y	Y	R	R	R	R		
FLASHING OPERATION	DARK	DARK	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R		

LENHART TRAFFIC CONSULTING
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING

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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 301 (CRAIN HIGHWAY) AT

SOUTH OSBORNE ROAD/MD 382 (CROOM ROAD)

GENERAL INFORMATION

SCALE NONE DATE OCTOBER 2012 CONTRACT NO. BW996M82

DESIGNED BY MML COUNTY PRINCE GEORGE'S
DRAWN BY MML LOGMILE 16030110.34
CHECKED BY MML TIMS NO. L585
F.A.P. NO. N/A TOD NO.

TS NO. 2366J-GI | DRAWING SG-02 OF 02 | SHEET NO. OF 2