PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 193 (GREENBELT ROAD) AT MD 564 (LANHAM SEVERN ROAD) IN PRINCE GEORGE'S COUNTY. GEOMETRIC MODIFICATIONS ARE PROPOSED TO PROVIDE AN ADDITIONAL LANE IN THE WESTBOUND DIRECTION. ALL EXISTING TRAFFIC SIGNAL HEADS WILL BE UPGRADED TO LED. VIDEO WILL ALSO BE INSTALLED FOR ALL PRESENCE DETECTION. MD 193 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO PROVIDE EXCLUSIVE LEFT-TURN PHASING ALONG BOTH DIRECTIONS OF MD 193. A SIDE STREET SPLIT PHASE IS PROPOSED.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED TRAFFIC SIGNAL CONTROLLER WILL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #3/OOTS ARE AS FOLLOWS:

District #3

Mr. Brian Young
Assistant District Engineer - Traffic
Phone: 301-513-7358

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

Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
Phone: 301-513-7304

Mr. Kevin Nowak
Assistant District Engineer - Construction
Phone: 301-513-7336

Office of Traffic & Safety

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

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

Mr. Edward Rodenhizer
Chief, SHA Traffic Signal Shop
Phone: 410-787-7650

Mr. Eugene Bailey
Team Leader Sign Operation
410-787-7670

The Power Company Representative is:
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, MD 21076
Phone: 410-859-9062

EQUIPMENT LIST 'A'

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.

CAT CODE	QUANTITY	DESCRIPTION
800000	27 EA	LED VEHICULAR SIGNAL HEAD MODULE
800000	1 EA	VIDEO DETECTION CAMERA INTERFACE (1-4 CAMERAS)
800000	30 SF	FURNISH AND INSTALL SHEET ALUMINUM SIGNS - MAST ARM/GROUND MOUNT
		2 EA - R3-5L (30"x36")
		2 EA - R3-6L (30"x36")
807202	1 EA	METERED SERVICE PEDESTAL
816001	4 EA	VIDEO DETECTION CAMERA
816005	3 EA	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
816010	1 EA	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
860284	24 EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION

EQUIPMENT LIST 'B'

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.

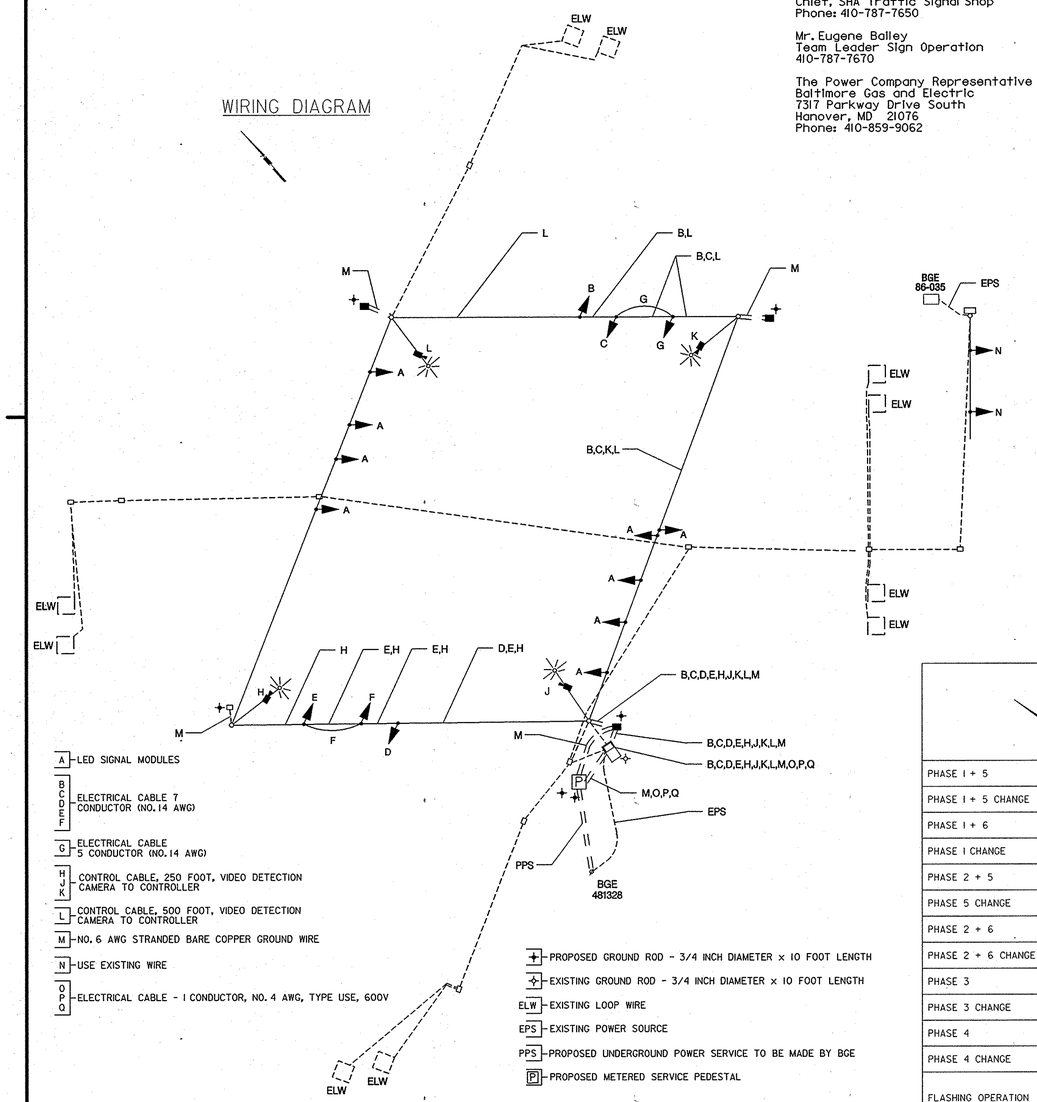
CAT CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
585424	60 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585462	30 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
800000	1 LS	REMOVE AND DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
800000	3 EA	CONDUIT BEND (ANY SIZE) IN EXISTING FOUNDATION
802501	100 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805118	40 LF	4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
805125	30 LF	2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
805135	30 LF	3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
805140	265 LF	4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
811011	3 EA	ELECTRICAL HANDHOLE
822500	1 EA	AS BUILT FOR SHA ON CADD
832017	100 LF	1 CONDUCTOR, NO. 4 AWG, TYPE USE, 600 V
837001	6 EA	GROUND ROD - 3/4 INCH DIAMETER BY 10 FOOT LENGTH
861107	30 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	800 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CAT CODE	QUANTITY	DESCRIPTION
NONE - ALL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR		

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PHASE 1 + 5	~~G~~	~~G~~	R	R	FL/Y	FL/Y	~~G~~	~~G~~	~~G~~	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	~~G~~	~~G~~	G	G	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	R	G	G	R	R
PHASE 1 CHANGE	~~Y~~	~~Y~~	G	G	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	R	G	G	R	R
PHASE 2 + 5	~~R~~	~~R~~	R	R	FL/Y	FL/Y	~~G~~	~~G~~	~~G~~	G	G	R	R	R	R	R	R
PHASE 5 CHANGE	~~R~~	~~R~~	R	R	FL/Y	FL/Y	~~Y~~	~~Y~~	~~Y~~	G	G	R	R	R	R	R	R
PHASE 2 + 6	~~R~~	~~R~~	G	G	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	G	G	R	R	R	R	R	R
PHASE 2 + 6 CHANGE	~~R~~	~~R~~	Y	Y	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	Y	Y	R	R	R	R	R	R
PHASE 3	~~R~~	~~R~~	R	R	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	G / ~~G~~	G / ~~G~~	G	R	R	R
PHASE 3 CHANGE	~~R~~	~~R~~	R	R	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	Y	Y	Y	R	R	R
PHASE 4	~~R~~	~~R~~	R	R	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	R	R	G / ~~G~~	G	G
PHASE 4 CHANGE	~~R~~	~~R~~	R	R	FL/Y	FL/Y	~~R~~	~~R~~	~~R~~	R	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	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

LENHART TRAFFIC CONSULTING
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331 Redwood Grove Court Millersville, Maryland 21108
Tel: (410) 987-3888 Fax: (443) 782-2288

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

MD 193 (GREENBELT ROAD) AT MD 564 (LANHAM SEVERN ROAD)

GENERAL INFORMATION

SCALE NONE DATE NOVEMBER 2008 CONTRACT NO. BW996M82

DESIGNED BY MML COUNTY PRINCE GEORGE'S
DRAWN BY MML LOGMILE 16019310.40
CHECKED BY MML T.I.M.S. NO. J372
F.A.P. NO. N/A TOD NO.

DRAWING NO. **TS-705J-GI** OF SHEET NO. OF