

DRILL HOLES

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE RESURFACE ON MD 26 FROM OFFUTT ROAD TO ANNE HATHAWAY DRIVE. THIS PROJECT INVOLVES INSTALLING APS, COUNTDOWN PPEDESTRIAN SIGNALS, LEDS, AND RELOCATING THE CROSSWALK ON THE EAST LEG OF THE INTERSECTION, AND INSTALLING NEW PAVEMENT MARKINGS. THE INTERSECTION OF MD 26 AND OFFUTT ROAD IS LOCATED IN BALTIMORE COUNTY. MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR EASTBOUND AND WESTBOUND MD 26, SIDE STREET SPLIT PHASE, AN ALTERNATE PEDESTRIAN PHASE ACROSS THE EAST LEG OF MD 26, AND A CONCURRENT PEDESTRIAN PHASE ACROSS THE NORTH LEG OF OFFUTT ROAD.

CONTROLLER REQUIREMENTS

A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH SYSTEM PACKAGE, VIDEO DETECTION INTERFACE EQUIPMENT, AND ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

APS WILL FUNCTION AS FOLLOWS:

FOR LIBERTY ROAD

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL BE "WAIT TO CROSS LIBERTY ROAD."
B. WHEN WALK PHASE BEGINS, THE MESSAGE BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

FOR OFFUTT ROAD

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL BE "WAIT TO CROSS OFFUTT ROAD."
B. WHEN WALK PHASE BEGINS, THE MESSAGE BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

PHASE CHART

Table with 16 columns (1-16) and multiple rows (PHASE 1 & 5, PHASE 1 & 6, PHASE 2 & 5, PHASE 2 & 6, PHASE 2 & 6 CHANGE, PHASE 2 ALT & 6, PHASE 3, PHASE 3 ALT., PHASE 4, 4 CHANGE, FLASHING OPERATION) containing traffic signal phase indicators (R, G, Y, F, etc.)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA

Table with columns: ITEM NO., QUANTITY, UNIT, DESCRIPTION. Lists sheet aluminum signs (S1-1, R10-3(1)) and their quantities.

EQUIPMENT LIST "B"

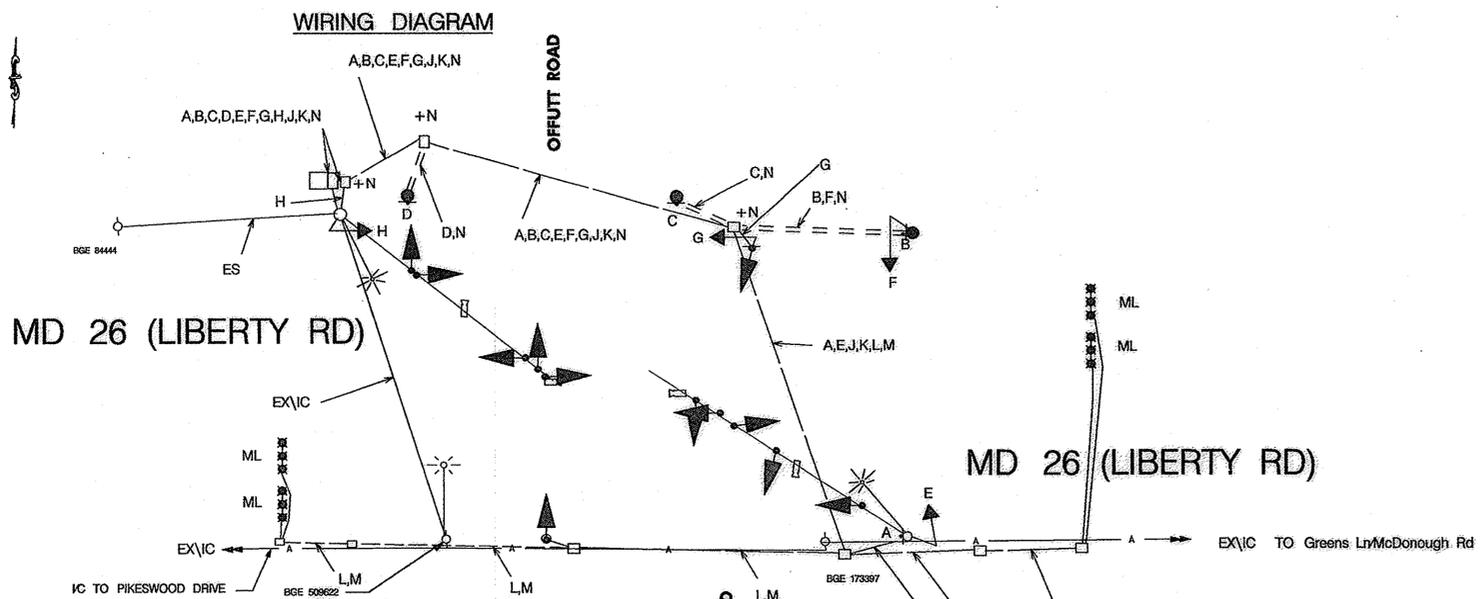
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.

Table with columns: ITEM NO., QUANTITY, UNIT, DESCRIPTION. Lists various materials like pavement marking lines, signal heads, cables, and signs.

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA: ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

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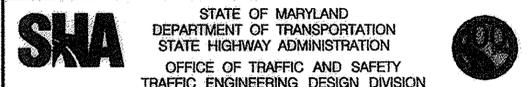
WIRING KEY

- A-D 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
E-H 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
J-K 500' MICRO-LOOP PROBE
L-M 1,000' MICRO-LOOP PROBE
N STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
ES EXISTING OVERHEAD ELECTRICAL SERVICE
EX\IC EXISTING 12-PAIR COMMUNICATION CABLE, SELF-SUPPORTING OVERHEAD

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

- MS. ERIN KUHN, ASSISTANT DISTRICT ENGINEER - TRAFFIC
MR. ANDRE FUTRELL, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
MR. MICHAEL PASQUARIELLO, ASSISTANT DISTRICT ENGINEER - UTILITIES
CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY: MR. RICHARD DAFF, SR., CHIEF, TRAFFIC OPERATIONS; MR. EUGENE BAILEY, TEAM LEADER SIGN OPERATIONS; MR. ROBERT SNYDER, ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS; MS. DARLENE EIDE, SUPPLY OFFICE, SIGNAL SHOP WAREHOUSE; MR. ED RODENHIZER, TEAM LEADER SIGNAL OPERATIONS

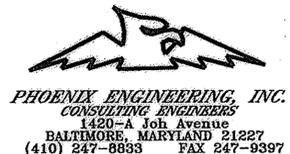
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MD 26 (LIBERTY RD) @ OFFUTT RD RANDALLSTOWN, MARYLAND

GENERAL INFORMATION SHEET

Table with columns: SCALE, DATE, CONTRACT NO., DESIGNED BY, COUNTY, DRAWN BY, LOGMILE, CHECKED BY, TMS, F.A.P. NO., T.S. NO., DRAWING NO., SHEET NO.



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