



- CONSTRUCTION DETAILS**
- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT./70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM, AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
 - B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. (CUT TO 40 FT.)/70 FT. (CUT TO 60 FT.) MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM, AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
 - C. USE EXISTING BASE MOUNTED CABINET AND MASTER CONTROLLER.
 - D. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN EXISTING BASE (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT). SEE SPECIAL NOTE 2.
 - E. USE EXISTING CONDUIT.
 - F. INSTALL EMBEDDED METERED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE.
 - G. INSTALL ONE (1) 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - H. INSTALL ONE (1) 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
 - J. INSTALL ONE (1) 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - K. INSTALL ONE (1) 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - L. INSTALL HANDHOLE.
 - M. USE EXISTING HANDHOLE.
 - N. ABANDON EXISTING PROBES. DISCONNECT AND REMOVE PROBE CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
 - P. INSTALL MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN (TO BE PLACED IN THRU LANE ONLY).
 - Q. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
 - R. EXISTING OVERHEAD ELECTRICAL FEED TO BE REMOVED BY BGE FORCES.
 - U. CAP AND ABANDON EXISTING CONDUIT.
 - V. REMOVE EXISTING FRAME AND COVER ON HANDHOLE. FILL WITH PATCH MIX CONCRETE UP TO 3 INCHES FROM ROAD SURFACE. INSTALL HOT MIX ASPHALT IN TOP 3 INCHES.
 - W. REMOVE EXISTING STRAIN IN POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
 - X. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
 - Z. USE EXISTING HANDHOLE. DISCONNECT FROM EXISTING BASE MOUNTED CABINET AND PULL BACK EXISTING INTERCONNECT CABLE TO THE EAST AND RE-FEED IN NEW CONDUIT TO EXISTING BASE MOUNTED CABINET. (SEE WIRING DIAGRAM FOR ADDITIONAL INTERCONNECT DETAILS).
 - AA. USE EXISTING HANDHOLE. DISCONNECT FROM EXISTING BASE MOUNTED CABINET AND PULL BACK EXISTING INTERCONNECT CABLE TO THE WEST AND RE-FEED IN NEW CONDUIT TO EXISTING BASE MOUNTED CABINET. (SEE WIRING DIAGRAM FOR ADDITIONAL INTERCONNECT DETAILS).
 - BB. INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 12 IN. ABOVE GRADE FOR USE BY BGE FORCES.
 - CC. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CONDUIT SHALL TIE INTO EXISTING 2 IN. ELBOW IN FOUNDATION CURRENTLY BEING UTILIZED FOR EXISTING ELECTRICAL FEED.
 - DD. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)
 - EE. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)
 - FF. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
 - GG. INSTALL D3-2(1) "68th STREET NEXT SIGNAL" SIGN (72 IN. x 30 IN.) ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS APPROXIMATELY 700 FT. IN ADVANCE OF THE INTERSECTION ON EASTBOUND AND WESTBOUND US 40.
 - HH. INSTALL 24 IN. WHITE REMOVEABLE PREFORMED PAVEMENT LINE MARKINGS (STOP LINE).

- GENERAL NOTES**
1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
 2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
 3. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
 4. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
 5. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
 6. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
 7. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
 9. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
 10. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.

- SPECIAL NOTES:**
1. THE CONTRACTOR SHALL NOT BLOCK VIEW OF EXISTING SIGNAL INDICATIONS DURING INSTALLATION OF MAST ARM. IF NEW MAST ARM CANNOT BE INSTALLED DUE TO CONFLICT WITH EXISTING SIGNAL INDICATIONS OR SPAN WIRES, A SIGNAL OUTAGE SHALL OCCUR DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
 2. THE CONTRACTOR SHALL COORDINATE WITH SHA FORCES TO SHUTDOWN SIGNAL OPERATION TO PULL BACK EXISTING SIGNAL CABLES AND RE-FEED PROPOSED SIGNAL CABLES THROUGH EXISTING HANDBOX AND CONDUITS INTO CABINET BASE. THIS SHALL BE DONE IN ONE NIGHTTIME SHIFT.
 3. THE CONTRACTOR SHALL COORDINATE WITH SHA TRAFFIC OPERATION DIVISION TO CONTACT LOCAL POWER COMPANY TO SET-UP WORK WITH TO DISCONNECT THE EXISTING ELECTRICAL SERVICE AND HAVE THE NEW SERVICE ENERGIZED.



GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

APPROVALS	
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1	MODIFY SHIELD ASSEMBLY SIGNS REVISION NO. 1 4/11/2011
2	TRAFFIC SIGNAL RECONSTRUCTION AND VIDEO DETECTION TMS K723 CONTRACT NO. XX3385185 01/19/2011
3	INSTALL VIDEO DETECTION SHA CONTRACT #23854103051 06/2005

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 US 40 (PULASKI HIGHWAY) AT 68TH STREET
 ROSEDALE, MARYLAND

TRAFFIC SIGNALIZATION PLAN			
SCALE 1" = 20'	DATE 02/24/97	CONTRACT NO. 8-284-485	
DESIGNED BY	COUNTY BALTIMORE		
DRAWN BY W.F. FITCH	LOGMILE 03004004.50		
CHECKED BY J.W.S.	TMS NO. K723		
F.A.P. NO.	TOD NO.		
TS NO. 275-H	DRAWING TSP-1	OF 2	SHEET NO. 1 OF 2

PLOTTED: 04-11-2011
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BY: sbloss