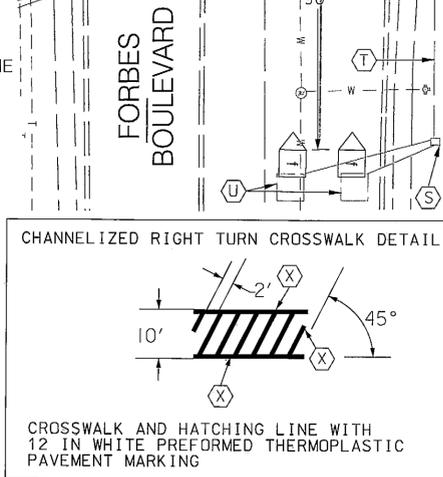


- CONSTRUCTION DETAILS (cont.)**
- INSTALL 27 FT. MAST ARM POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, AND 20' LIGHTING ARM WITH LED LUMINAIRE. (NOTE: 2-3" PVC SCHEDULE 80 CONDUIT BENDS.)
  - INSTALL 27 FT. MAST ARM POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERAS. (NOTE: 2-3" PVC SCHEDULE 80 CONDUIT BENDS.)
  - INSTALL HANDHOLE. INTERCEPT EXISTING CONDUIT. SEE SHEETS IC-01 TO IC-02 FOR INTERCONNECT DETAILS.
  - INSTALL EMBEDDED METEDED SERVICE PEDESTAL WITH 3-2" AND 1-4" SCHEDULE 80 CONDUIT BENDS.
  - INSTALL 10 FT. PEDESTAL POLE WITH MODIFIED BASE STANDARD NO. MD 801.01-01, COUNTDOWN PEDESTRIAN SIGNAL HEAD(S), APS STATION AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
  - INSTALL 10 FT. PEDESTAL POLE (CUT TO 5 FT.) WITH MODIFIED BASE STANDARD NO. MD 801.01-01, APS STATION AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
  - INSTALL HANDHOLE.
  - INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL 3" PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL 3" PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
  - INSTALL 4" PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
  - INSTALL 2-4" PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL NON-INVASIVE MICRO LOOP PROBE SET WITH 1,000 FT. LEAD-IN CABLE.
  - REMOVE EXISTING HANDHOLE.
  - REMOVE EXISTING CABLE AND CAP AND ABANDON EXISTING CONDUIT.
  - ABANDON EXISTING LOOP DETECTOR AND ALL ASSOCIATED WIRING.
  - USE EXISTING HANDHOLE.
  - USE EXISTING CONDUIT.
  - INSTALL 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
  - INSTALL 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
  - INSTALL 4" PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, TO BG&E TRANSFORMER 30045A FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. FINAL CONNECTION TO BE MADE BY OTHERS.
  - INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, TO VERIZON COMMUNICATION BOX FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. FINAL CONNECTION TO BE MADE BY OTHERS.
  - INSTALL HANDHOLE. ALIGN HANDHOLE SO THAT LONG EDGE IS PERPENDICULAR TO MD 704.
  - INSTALL HANDHOLE. INTERCEPT EXISTING CONDUIT FROM THE EAST. CAP AND ABANDON EXISTING CONDUIT GOING WEST. ALIGN HANDHOLE SO THAT LONG EDGE IS PERPENDICULAR TO MD 704. SEE SHEETS IC-01 TO IC-06 FOR INTERCONNECT DETAILS.
  - INSTALL PROPOSED GROUND MOUNTED ON ONE 4"x6" BREAKAWAY WOOD POST.
  - BACK GUY EXISTING STRAIN POLE DURING CONSTRUCTION OF PROPOSED SIGNAL POLE. REMOVE GUY WIRE AFTER CONSTRUCTION IS COMPLETE.
  - EXISTING POWER SOURCE TO BE DISCONNECTED BY OTHERS.



- GENERAL NOTES**
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE MODIFICATION PROJECT.
  - UTILITIES SHOWN AS PER DRAWING NO. TS-2134A DATED 12-10-1985. 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.
  - VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY SHA FORCES.
  - ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.
  - PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
  - LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND 4E.10 AND FIG. 4E-3 AND 4E-4 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
  - THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
  - PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
  - PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE SIDEWALK AND PEDESTRIAN RAMPS, AND THE INSTALLATION OF THE DETECTABLE WARNING SURFACE.
  - ALL PAVEMENT MARKINGS ARE TO BE INSTALLED AS PER THE SIGNING AND MARKING PLANS, UNLESS NOTED ON THIS PLAN.
  - THE CONTRACTOR SHALL MAINTAIN THE CONTINUOUS OPERATION OF ALL EXISTING INTERCONNECT, VEHICULAR, PEDESTRIAN DETECTORS, AND LIGHTING DEVICES UNTIL PROPOSED SIGNAL CAN BE TURNED ON. IF ANY DEVICE IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPAIRED WITHIN 72 HOURS BY THE CONTRACTOR AT NO COST TO SHA AFTER NOTIFICATION BY THE ENGINEER.
  - CONTRACTOR TO CONTACT BG&E 72 HOURS PRIOR TO BEGINNING WORK TO COORDINATE THE SHUT OFF OF THE EXISTING POWER FEED AND THE INSTALLATION OF THE PROPOSED POWER FEED.
  - ALL ADA FACILITIES ARE REFERENCED ON THE ROADWAY PLANS.

GEOMETRIC LEGEND	APPROVALS	REVISIONS
<ul style="list-style-type: none"> <li>— EXISTING</li> <li>— PROPOSED</li> </ul>	<p>TEAM LEADER</p> <p>ASSIST. DIR. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>5/13/13</p> <p>SHA# PG7865377</p> <p>6/08</p> <p>OT 2007</p> <p>6/07</p> <p>SHA# AT7825185</p>

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

**M.L. KING JR HWY (MD 704)  
AND FORBES BOULEVARD**  
MITCHELLVILLE, MD

**TRAFFIC SIGNALIZATION PLAN**

SCALE 1"=20' DATE 12/10/05 CONTRACT NO. RW818801312

DESIGNED BY \_\_\_\_\_ COUNTY PRINCE GEORGE'S  
DRAWN BY W J NIES LOGMILE 16070405.89  
CHECKED BY R R ZACHERL T.I.M.S. NO. J210  
F.A.P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_

TS NO. 2134G DRAWING NO. SG-05 OF 10 SHEET NO. OF \_\_\_\_\_

**T3 design**

T3 DESIGN CORP  
3927 OLD LEE HWY  
SUITE 101-C  
FAIRFAX, VA 22030  
PHONE: 703-359-5861  
www.t3design.us