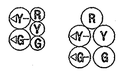
MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNALS TO REMAIN



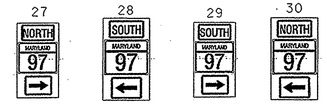
EXISTING SIGNALS TO BE REMOVED

14a,15a

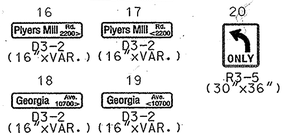
EXISTING SIGNS TO BE REMOVED

21a,22a

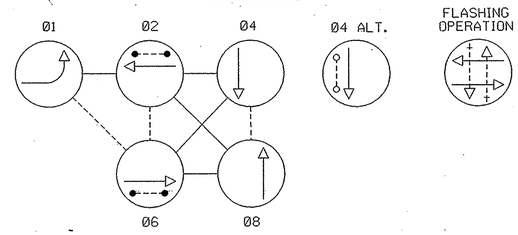
PROPOSED SIGNS



EXISTING SIGNS TO REMAIN

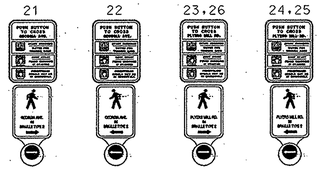


NEMA PHASING



PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

R10-4(1) (9"x12")

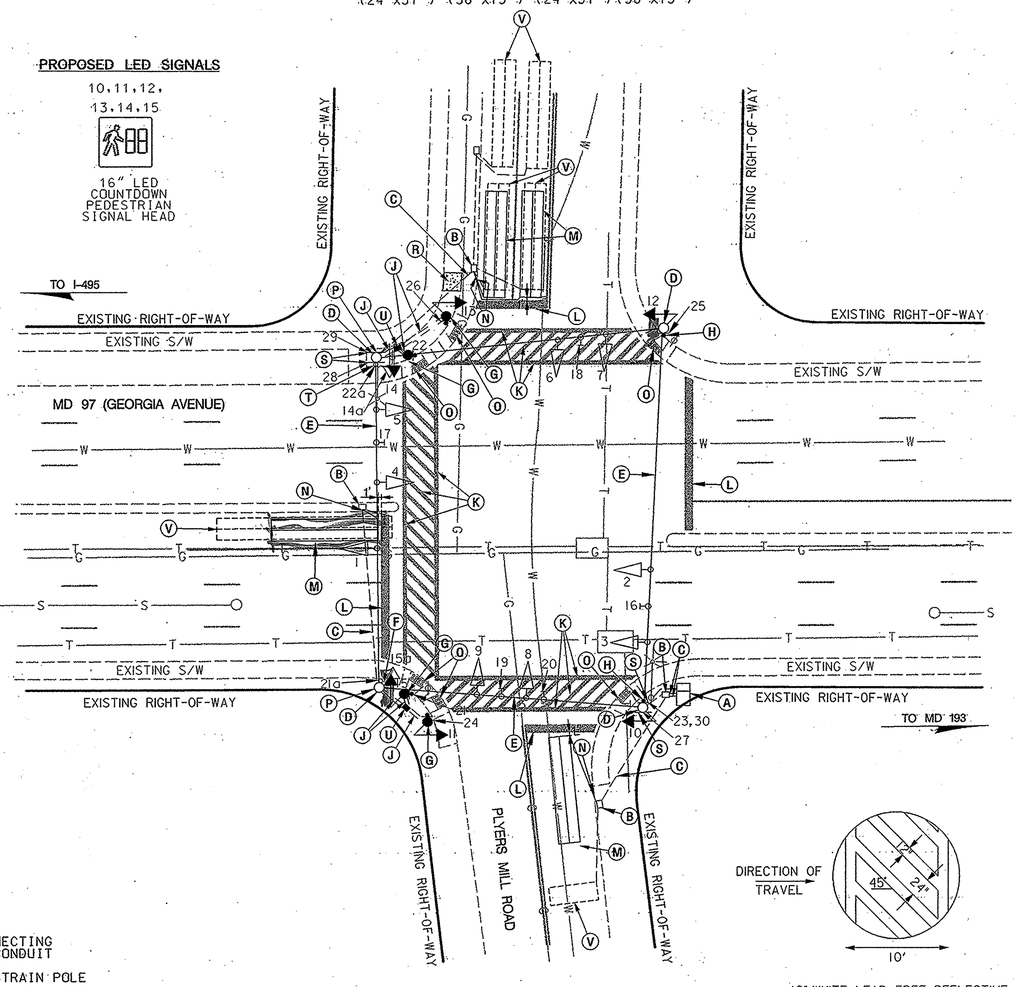


R10-4(1) (9"x12")

PROPOSED LED SIGNALS

10,11,12,
13,14,15

16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD



NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

A. INSTALL 2-WIRE CENTRAL CONTROL UNIT IN EXISTING BASE MOUNTED CABINET

B. USE EXISTING HANDHOLE

C. USE EXISTING CONDUIT

D. USE EXISTING STRAIN POLE

E. USE EXISTING SPAN WIRE

F. REMOVE EXISTING PUSHBUTTON, SIGN AND PEDESTRIAN SIGNAL HEAD. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGN (R10-4(1) "PUSH BUTTON TO CROSS GEORGIA AVE."), AND ACCESSIBLE PEDESTRIAN PUSHBUTTON ON EXISTING STRAIN POLE

G. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGN (R10-4(1) "PUSH BUTTON TO CROSS GEORGIA AVE. OR PLYERS MILL RD.") AND ACCESSIBLE PEDESTRIAN PUSHBUTTON (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

H. INSTALL A LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, SIGN (R10-4(1) "PUSH BUTTON TO CROSS PLYERS MILL RD.") AND ACCESSIBLE PEDESTRIAN PUSHBUTTON ON EXISTING STRAIN POLE

J. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) AS TO NOT DISTURB SIDEWALK

K. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK (SEE DETAIL THIS SHEET)

L. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE

M. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3 TURNS)

N. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE

O. INSTALL 24 IN. DETECTABLE WARNING SURFACE (SURFACE APPLIED) (SEE NOTE 5)

P. INSTALL 1-3 IN. PVC 90 DEGREE BEND IN EXISTING STRAIN POLE FOUNDATION

R. CONSTRUCT 5 IN. CONCRETE SIDEWALK (5 FOOT X 5 FOOT PAD CONNECTING EXISTING SIDEWALKS) AS TO NOT DISTURB EXISTING ELECTRICAL CONDUIT

S. INSTALL OVERHEAD SIGNS (NOS. 27,28,29 AND 30) ON EXISTING STRAIN POLE

T. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN

U. INSTALL ELECTRICAL HANDHOLE

V. ABANDON EXISTING LOOP DETECTOR

12" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING TYPICAL CROSSWALK DETAIL

GENERAL NOTES

1. 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.
2. THE CONTRACTOR SHALL DISPOSE OF ALL PEDESTRIAN SIGNAL HEADS THAT ARE TO BE REPLACED AS SHOWN ON THIS PLAN.
3. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
4. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
5. PLACE A 24 INCH WIDE DETECTABLE WARNING SURFACE ALONG THE FULLY DEPRESSED PORTION OF THE EXISTING RAMP. THE MAT SHALL NOT EXTEND ONTO SIDE FLARES.
6. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO MONTGOMERY COUNTY FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. KEITH LORD TO COORDINATE AT 301-279-1291.
7. MONTGOMERY COUNTY WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
8. WITHIN 36 INCHES OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND COUNDUIT BY HAND.
9. THE CONTRACTOR SHALL CENTER PROPOSED CROSSWALKS ON EXISTING RAMPS.
10. 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.
11. SEE GENERAL INFORMATION SHEET FOR PROPOSED PEDESTAL POLE, STOPLINE AND SIDEWALK LOCATIONS.
12. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
13. THE CONTRACTOR SHALL CONTACT MCDPQ&T TMC AT 240-777-2100, 72 HOURS PRIOR TO MARK UNDERGROUND SIGNAL EQUIPMENT.

UTILITY LEGEND

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

STV Incorporated
engineers/architects/planners/scientists/construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: THOMPSMA

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

ORIGINAL ON FILE

A	ADD APS AND COUNTDOWN PED. HEADS CONTRACT#M0305177	2/2006	

STV DWN DATE 12/06 CHK DATE 12/06 FM DATE

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

MD 97 (GEORGIA AVENUE) AND PLYERS MILL ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE _____ CONTRACT NO. M-826-978

DESIGNED BY _____ COUNTY MONTGOMERY
DRAWN BY J.W. SCHMITT LOGMILE 15009702.65
CHECKED BY _____ T.I.M.S. NO. H326
F.A.P. NO. T-8004(2) TOD NO. _____

DRAWING NO. TS-215A OF SHEET NO. OF

PLOTTED: FRIDAY, MARCH 31, 2006 AT 11:23 AM
FILE: I:\PROJECTS\0312513\0312513.0009\DRAWINGS\TRA\PLYERS MILL ROAD\PSG-P000_PLYERS.DGN