EXISTING SIGNALS

1,4,7,10 — 12"/8"
2,5,8,11 — 12"
3,6,9,12 — 12"

12" TO BE REMOVED

MD 500 IS OCNSIDERED TO RUN IN AN EAST-WEST DIRECTION.

PROPOSED SIGNALS

3,6,9,12 — 12"
2,5,8,11 — 12"
1,4,7,10 — 12"/8"

13-20 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED VIDEO DETECTION a-f

EXISTING SIGNS

LEFT TURN YIELD ON GREEN — R10-12 (30"x36") — TO BE REMOVED

PUSH BUTTON TO CROSS QUEENS CHAPEL RD — R10-3e 9"x12"

32,32A,33,33A — Queens Chapel Rd — D-3(2) (VAR.X16")

31 — NO TURN ON RED — R10-11B MOD 24"X24"

29,29A,30,30A — Hamilton ST — D-3(2) (VAR.X16")

PROPOSED SIGNS

26,28 — R10-3(1) 9" x 15"
25,27 — R10-3(1) 9" x 15"
30,32 — R10-3(1) 9" x 15"
29,31 — R10-3(1) 9" x 15"

21A,21B,22A,22B — Hamilton ST — 72"x16" DUAL FACED MAST ARM MOUNTED

23A,23B,24A,24B — Queens Chapel RD — 96"x16" DUAL FACED MAST ARM MOUNTED

41 — 12"X24" M3-4; 30"X24" M1-5; 24"X24" R8-7(1) — WEST MARYLAND 500 SNOW EMERGENCY ROUTE

36 — OM1-3 18"X18" FLO YEL

40 — YIELD — R1-2 36"X36"

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø4 FLASHING OPERATION
Ø5 Ø6 Ø7 Ø8 Ø8 ALT.

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

38,42 — W11-2 36"X36" FLO YEL; W16-7pL 12"X24" FLO YEL
39 — W11-2 36"X36" FLO YEL; W16-7pR 12"X24" FLO YEL

37 — WEST MARYLAND 500 — SHIELD ASSEMBLY (30"x48") GROUND MOUNT
35 — EAST MARYLAND 500 — SHIELD ASSEMBLY (48"x72")
34 — EAST MARYLAND 500 — SHIELD ASSEMBLY (30"x48")
33 — WEST MARYLAND 500 — SHIELD ASSEMBLY (48"x72")
43 — WEST MARYLAND 208 — SHIELD ASSEMBLY (30"x48") GROUND MOUNT

NB HAMILTON ST

WB MD 500

SB MD 208

EB MD 500

RIGHT OF WAY

CONSTRUCTION DETAILS

A. INSTALL 21' STEEL POLE WITH 18' T-DIMENSION, WITH 70' MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL HEAD. I 3" PVC CONDUIT BEND IN BASE
B. INSTALL 27' STEEL POLE WITH 18' T-DIMENSION WITH 50' MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 15' LIGHTING ARM WITH 250 HPS LUMINAIRE AND PHOTOCELL. I 3" PVC CONDUIT BEND IN BASE
C. INSTALL 21' STEEL POLE WITH 18' T-DIMENSION WITH 70' MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND PUSHBUTTON SIGN TO READ "PUSH BUTTON TO CROSS QUEENS CHAPEL RD" I 3" PVC CONDUIT BEND IN BASE
D. INSTALL 21' STEEL POLE WITH 18' T-DIMENSION WITH 60' MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND PUSHBUTTON SIGN TO READ "PUSH BUTTON TO CROSS QUEENS CHAPEL RD" I 3" PVC CONDUIT BEND IN BASE
E. INSTALL 10' BREAKAWAY PEDESTAL POLE ON BREAKAWAY COUPLING BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PEDESTRIAN PUSHBUTTON AND PUSHBUTTON SIGN TO READ PUSH BUTTON TO CROSS HAMILTON STREET. I 2" CONDUIT BEND IN BASE.
F. INSTALL 5' BREAKAWAY PEDESTAL POLE ON BREAKAWAY COUPLING BASE, APS PUSHUTTON AND PUSHBUTTON SIGN TO READ "PUSH BUTTON TO CROSS QUEENS CHAPEL RD"
G. INSTALL 10' BREAKAWAY PEDESTAL POLE ON BREAKAWAY COUPLING BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PEDESTRIAN PUSHBUTTON AND PUSHBUTTON SIGN TO READ PUSH BUTTON TO CROSS HAMILTON STREET. I 2" CONDUIT BEND IN BASE.
H. INSTALL NEMA SIZE "S" BASE MOUNTED CABINET WITH CONTROLLER, 2-4" AND 2-2" CONDUIT BENDS IN BASE
I. INSTALL 4" SCH 80 RIGID PVC CONDUIT-BORED
J. INSTALL 4" SCH 80 RIGID PVC CONDUIT-TRENCHED
K. INSTALL 3" SCH 80 RIGID PVC CONDUIT-TRENCHED
L. INSTALL 2" SCH 80 RIGID PVC CONDUIT-TRENCHED
M. INSTALL 3" SCH 80 RIGID PVC CONDUIT-BORED

RED LINE I APPROVED 5/9/12 — 5-9-12
DENNIS DODA, TEAM LEADER, TEDD

CONSTRUCTION DETAILS CONTINUED

N. USE EXISTING HANDHOLE
O. USE EXISTING CONDUIT
P. ADJUST EXISTING HANDHOLE TO GRADE
Q. INSTALL MICRO-LOOP PROBE (SET OF 3) CENTERED IN LANE
R. INSTALL ELECTRICAL HANDHOLE
S. REMOVE EXISTNG HANDHOLE
T. CAP AND ABANDON EXISTING CONDUIT
U. REMOVE EXISTING PAVEMENT MARKING LINE
V. INSTALL 12" WHITE PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKING-CROSSWALK
W. INSTALL 24" WHITE PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKING-STOP LINE

CONSTRUCTION DETAILS CONTINUED ON SHEET 2 OF 3

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 500 (QUEENS CHAPEL RD) @
MD 208/HAMILTON STREET

TRAFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE OCTOBER 2011 CONTRACT NO. XX6555185

DESIGNED BY
DRAWN BY
CHECKED BY
F.A.P. NO.

COUNTY PRINCE GEORGES
LOGMILE 16020801.86
TIMS NO. 1483
TOD NO.

TS NO. 896-D | DRAWING SG-1 OF 1 | SHEET NO. 1 OF 3

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINALS ON FILE

REVISIONS
D RECONSTRUCT TRAFFIC SIGNAL INSTALL APS/CPS ON ALL FOUR LEGS TIMS# 1483 OCTOBER, 2011 XX6555185 CJS
C ASBUILT FOR RED LIGHT CAMERA INSTALLATION RRZ
B MODIFY SIGNAL EQUIPMENT DUE TO GEOMETRIC REVISIONS 10-18-91 SHA PMS-501-376

PLOTTED: $DATETIME$
FILE: $FILE$

BY: $USERNAME$