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

EXISTING SIGNS

19a 18a 15a 17a 20a 28 29

16a 31 32 30

SHIELD ASSEMBLY (48"x75")

SHIELD ASSEMBLY (30"x51")

R4-7 30"X24" MOUNT AT 15-DEGREES TOWARDS ASPEN HILL ROAD

EXISTING SIGNS TO BE REMOVED

ONLY ONLY

Aspen Hill RD 3800

Aspen Hill RD 3800

PROPOSED SIGNS

23 Aspen Hill RD 3800 D-3(1) (VAR.x16")

25 Aspen Hill RD 3800 D-3(1) (VAR.x16")

21,22 ONLY R3-5(L) (30"x36")

27 ONLY R3-5(R) (30"x36")

26 R3-6(1)L 30"X36"

PROPOSED SIGNAL HEADS

1,2,3 6,7 — 12"

4,5,8 9,10,11 — 12"

13 — 12"

12,14 — 12"

a,b,c,d,e,f

PROPOSED VIDEO DETECTION

SURVEILLANCE CAMERA (BY MONTGOMERY COUNTY)

AERIAL CABLE DETAIL 1

SECONDARY	35'+
COMMUNICATION	25'6"
COMMUNICATION	22'6"
COMMUNICATION	22'0"
COMMUNICATION	21'3"
GRADE	

EXISTING SIGNALS

15-20 16" LED COUNTDOWN PEDESTRIAN SIGNAL

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø4 ALT FLASHING OPERATION Ø5 Ø6

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

MD 97 (GEORGIA AVE.)

APPROXIMATE RIGHT OF WAY

ASPEN HILL RD

398+00 +50 397+00 +50 396+00 +50 395+00 +50 394+00

[1] REMOVAL OF EXISTING PAVEMENT

℄	STATION FROM	STATION TO	CY
MD 97	397+28, 6.5 FT LT	397+35, 21 FT RT.	7.5

[1] SIGNAL POLE AND SIGNAL HEAD DIMENSIONS

[1] [1] [1] [1]

[1] [1] [1] [1]

[1] EXISTING SIGNS TO BE RELOCATED

33 R4-7 30"X24" MOUNT AT 15-DEGREES

CONSTRUCTION DETAILS

A. PULL BACK EXISTING CABLES FOR SIGNAL 15 FROM THE EXISTING CABINET TO THIS HANDHOLE AND REROUTE TO THE NEW CABINET.
B. PULL BACK EXISTING CABLES FOR SIGNALS 18 & 19 FROM THE EXISTING CABINET TO THIS HANDHOLE AND REROUTE TO THE NEW CABINET.
C. INSTALL HANDHOLE.
D. INSTALL 12 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
E. INSTALL 24 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
F. INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH TRIPLE FLANGE PLATES WITH A
[1] 50 FT. MAST ARM AND A ~~38 FT.~~50 FT. MAST ARM CUT TO 10 FT., WITH SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND) ~~STA. 396+69, 14' RT.~~ MONTGOMERY COUNTY FORCES WILL INSTALL THE SURVEILLANCE CAMERA CABINET ON THE POLE. STA. 396+56, 10 FT RT.
G. INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 395+51, 6' LT
H. REMOVE THE EXISTING FOUNDATION, PEDESTAL POLE, SIGNAL HEADS, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION, R10-3(1) SIGN AND INSTALL CONCRETE FOUNDATION WITH SPECIAL "T" POLE WITH 38 FT. MAST ARM WITH SIGNAL HEADS AND VIDEO DETECTION CAMERA. INSTALL THE PREVIOUSLY REMOVED 16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION, AND R10-3(1) SIGN. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 395+73, 71' RT
J. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH VIDEO INTERFACE EQUIPMENT. (NOTE: TWO-4 IN. PVC. AND TWO-2 INCH PVC. SCHEDULE 80 CONDUIT BENDS). STA. 395+66, 78' LT.
K. CAP AND ABANDON EXISTING CONDUIT.
L. INSTALL TWO-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS – SLOTTED
M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
N. INSTALL TWO 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS – BORED.
O. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
P. INSTALL 200 AMP METERED SERVICE PEDESTAL.
Q. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE – TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE WITH 3 RUNS OF 1-CONDUCTOR 250 KCMIL COILED 30 FT.
R. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL, AFTER NEW SIGNAL IS OPERATIONAL.
S. REMOVE EXISTING SPANWIRE AND ALL ASSOCIATED EQUIPMENT.
T. EXISTING SURVEILLANCE CAMERA TO BE RELOCATED BY OTHERS. CONTACT MIKE KINNEY OF MONTGOMERY COUNTY 2 WEEKS IN ADVANCE BEFORE BEGINING ANY WORK IN RELOCATING THE SURVEILANCE CAMERA.
U. REMOVE EXISTING CONTROLLER AND CABINET.
V. REMOVE ALL LOOP WIRES FROM EXISTING HAND HOLES AND CONDUITS AND ABANDON EXISTING LOOPS.
W. ADJUST THE GRADE OF EXISTING HANDHOLE.
X. REMOVE EXISTING SPLICE CABINET AND INSTALL NEW MONTGOMERY COUNTY SUPPLIED SPLICE CABINET. STUB UP CONDUIT TO SPLICE BOX.
Y. REMOVE EXISTING HANDHOLE AND BACKFILL 12 INCHES BELOW GRADE.

PAVEMENT REMOVAL DIMENSIONS

[1] STA. 397+35 21 FT RT. 3' STA. 397+52, 7.5 FT RT STA. 397+28 6.5 FT LT.

AERIAL CABLE DETAIL 2

SECONDARY	35'+
COMMUNICATION	22'9"
COMMUNICATION	21'11"
COMMUNICATION	21'3"
GRADE	

CONSTRUCTION DETAILS

Z. MAINTAIN EXISTING CONDUIT.
AA. MODIFY THE 16 INCH LED COUNTDOWN PEDESTRIAN HEAD TO A SIDE MOUNT ON THE 10 FT. POLE AND ADD SIGNAL HEAD 14 AS A POST MOUNT.
BB. USE EXISTING HANDHOLE.
CC. INSTALL GROUND MOUNTED SIGN USING ONE 4 IN. X 6 IN. WOOD SUPPORT.
DD. INSTALL GROUND MOUNTED SIGN USING TWO 4 IN. X 6 IN. WOOD SUPPORTS.
EE. INSTALL GROUND MOUNTED SIGN USING ONE 4 IN. X 4 IN. WOOD SUPPORT.
[1] FF. SAWCUT AND REMOVE EXISTING PAVEMENT.
[1] GG. RELOCATE EXISTING GROUND MOUNTED SIGN TO THE SIGNAL POLE.

TYPICAL PEDESTRIAN CROSSWALK HATCHING DETAIL
NOT TO SCALE

SIGNAL HEAD DIMENSIONS

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
SAN	SEWER MAIN
E	ELECTRIC CABLES
OHE	AERIAL CABLES
T	TELEPHONE CABLES
FO	FIBER-OPTIC

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APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DIVISION
CHIEF, TRAFFIC ENGINEERING DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

REVISIONS

(H) 1-23-2009 SHA # MO5755177 SIGNAL REBUILD
(G) 9-2-08 SHA # MO5325133 APS/CPS UPGRADES & RELOCATE THE CROSSWALK TO SOUTH LEG
SWA
(F) MODIFICATION DUE TO ADDITION OF SECOND LEFT TURN SHA NO. M-707-501-3766-24-??
KCI

[1] REDLINE NO. 1, 08/25/2011

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

MD 97 (GEORGIA AVENUE) AND ASPEN HILL ROAD

ASPEN HILL, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 8-20-82 CONTRACT NO. M-697-501-377

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

COUNTY MONTGOMERY
LOGMILE 15009706.75
T.I.M.S. NO. J203
TOD NO.

TS NO. 32 H | DRAWING pSG OF P002 | SHEET NO. 34C OF 56F

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BY: [plotdgn] -