EXISTING SIGNS TO REMAIN

17 — Bay ST

21 — Bay ST

22,24,26,27 — WORCESTER HWY.

23 — SOUTH 113

20 — Assateague RD

18 — Assateague RD

25 — NORTH TO 113 50

19 — EVACUATION ROUTE

US 113 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNALS

1,2,5,6 — 12" R, Y, G

3,4, 7-14 — 12" R, Y, G

EXISTING OPTICOM DETECTOR

15,16

AERIAL CABLE DETAIL

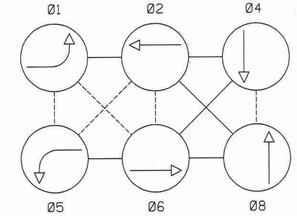
PRIMARY	N/A
SECONDARY	N/A
CABLE	N/A
COMMUNICATION	26' 3"
GRADE	

PROPOSED DETECTION

a,b,c,d — PROPOSED VIDEO DETECTION

PROPOSED DETECTION ZONE — a,b,c,d; c,d

NEMA PHASING



FIREHOUSE PRE-EMPTION PHASE Ø2 & Ø5

FIREHOUSE PRE-EMPTION PHASE Ø4

FLASHING OPERATION

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

MATCH LINE AA SEE THIS SHEET

MD 376 (BAY STREET) 90'

EXISTING RIGHT-OF-WAY

TO MD 394

US 113 SBR (WORCESTER HIGHWAY)

US 113 NBR (WORCESTER HIGHWAY)

365'

240'

100'

TO US-50

SHA EXISTING RIGHT-OF-WAY

MD 376 (ASSATEAGUE ROAD) 90'

MD 376 (BAY STREET) 90'

MATCH LINE AA SEE THIS SHEET

SCALE: 1" = 20'

CONSTRUCTION DETAILS

A. USE EXISTING CONDUIT.

B. USE EXISTING CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT)

C. REMOVE ALL EXISTING LOOP DETECTOR CABLES FROM THE CONDUIT SYSTEM AND ABANDON THE EXISTING LOOPS.

D. USE EXISTING HAND BOX.

E. EXCAVATE AND LOCATE EXISTING CONDUIT, DISCONNECT AND REMOVE LOOP WIRE, CUT CONDUIT AND INSTALL SIGNAL HAND BOX (WITH LONGER EDGE PERPENDICULAR TO THE ROADWAY).

F. INSTALL SIGNAL HAND BOX (WITH LONGER EDGE PERPENDICULAR TO THE ROADWAY FOR NON-INVASIVE PROBES).

G. USE EXISTING SPAN WIRE.

H. INSTALL NON-INVASIVE MICROLOOP PROBES IN THROUGH LANE WITH 1,000 FEET OF LEAD IN CABLE.

J. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.

K. USE EXISTING STRAIN POLE.

L. REMOVE FRAME AND COVER OF EXISTING HAND BOX TO 12 INCHES BELOW GRADE AND BACK FILL.

M. CAP AND ABANDON EXISTING CONDUIT.

N. INSTALL 15 FOOT LIGHTING ARM (WITHOUT LUMINAIRE), ON THE EXISTING STRAIN POLE AND INSTALL VIDEO DETECTION AS SHOWN.

~~P. INSTALL 3 INCH WEATHER HEAD ON EXISTING STRAIN POLE FOR VIDEO CABLES.~~ [1]

Q. MAINTAIN EXISTING CONDUIT.

R. MAINTAIN EXISTING HAND BOX.

S. ADJUST EXISTING HAND BOX TO GRADE.

T. INSTALL VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE. [1]

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

BY: khodges

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE MD 21227
(410) 737-6564

APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF — ORIGINALS ON FILE

OFFICE DIRECTOR

REVISIONS

E INSTALL VIDEO DETECTION AND NON-INVASIVE PROBES — 09/2010
CONTRACT NO.: XQ5383B38 — TIMS NO.: J797
KBS — SWA — 1/3/2011 — 2:28:57 PM
D INSTALL OPTICOM ON US-113 NB
SHA NO.: AT2885185 — 05/2008
MR | DZ | BK | TH
C REVISED NB & SB EP LEFT TURNS TO EXCLUSIVE LEFT TURNS
SHA NO.: 8385472802820 — 04/2008
MAN | DAJ | BRK

1 Redline Revision Dated January 31, 2011
SHA MDOT - SHA O.O.T.S. 1/3/2011
S.H.A. Approval Date
T.S. # 1739E T.I.M.S. # J797

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

US 113 (WORCESTER HWY) AT MD 376 (BAY ST/ASSATEAGUE ROAD)
BERLIN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' — DATE 9/27/1979 — CONTRACT NO. WO507A51/B51

DESIGNED BY
DRAWN BY L. SHORT
CHECKED BY B. THOMPSON
F.A.P. NO.

COUNTY WORCESTER
LOGMILE 23011328.08
TIMS NO. F606
TOD NO.

TS NO. TS-1739 E | DRAWING pSG OF P001 | SHEET NO. 1 OF 2

PLOTTED: Monday, January 31, 2011 AT 09:38 AM
FILE: R:\2008\73 SHA BCS 2008-05A_TEDD DESIGN_STV_JV_ _SSM\Task 59 US 113 and MD 376 Signal Detector Replacement\Dgn\Redline Number1\pSG-P001_J797.dgn