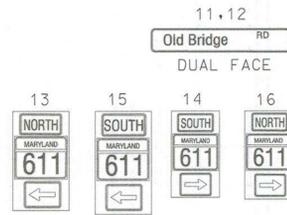




MD 611 (STEPHEN DECATUR HWY) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS



PROPOSED VIDEO DETECTION CAMERA

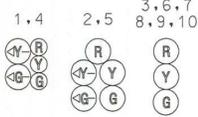
a, b, c, d

VIDEO DETECTION ZONE

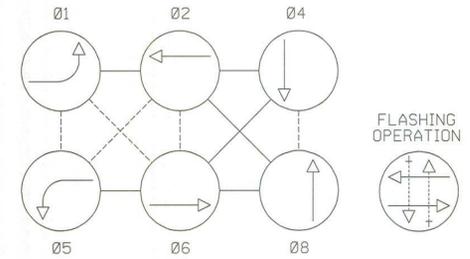
a, b, c, d

c, d

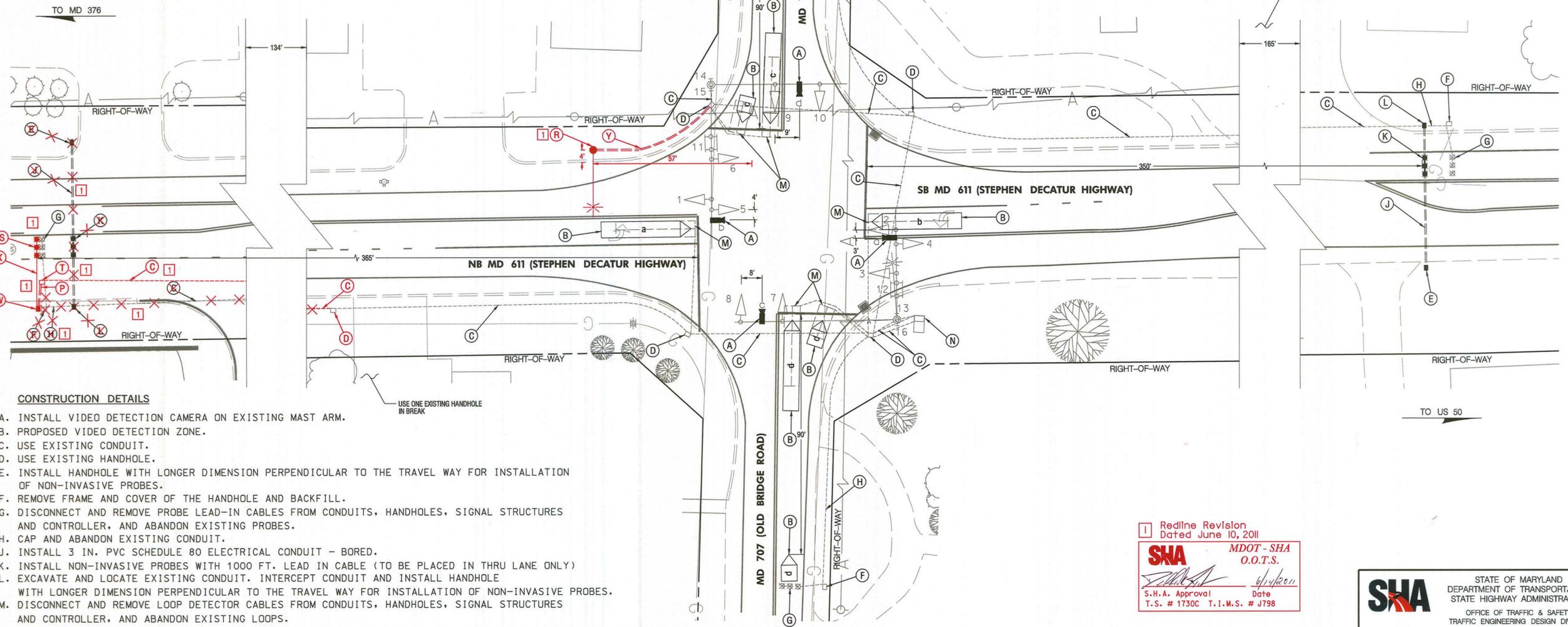
EXISTING SIGNALS



NEMA PHASING



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



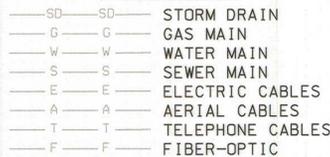
CONSTRUCTION DETAILS

- A. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- B. PROPOSED VIDEO DETECTION ZONE.
- C. USE EXISTING CONDUIT.
- D. USE EXISTING HANDHOLE.
- E. INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES.
- F. REMOVE FRAME AND COVER OF THE HANDHOLE AND BACKFILL.
- G. DISCONNECT AND REMOVE PROBE LEAD-IN CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER, AND ABANDON EXISTING PROBES.
- H. CAP AND ABANDON EXISTING CONDUIT.
- J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- K. INSTALL NON-INVASIVE PROBES WITH 1000 FT. LEAD IN CABLE (TO BE PLACED IN THRU LANE ONLY)
- L. EXCAVATE AND LOCATE EXISTING CONDUIT. INTERCEPT CONDUIT AND INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES.
- M. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER, AND ABANDON EXISTING LOOPS.
- N. USE EXISTING CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
- P. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED
- R. INSTALL CONCRETE FOUNDATION WITH A 40 FT. STEEL LIGHT POLE WITH A 20 FT. LIGHTING ARM AND 250 HPS LUMINAIRE.
- S. INSTALL INVASIVE PROBES WITH 1000 FT. LEAD IN CABLE (TO BE PLACED IN THRU LANE ONLY)
- T. REMOVE FRAME AND COVER OF THE HANDHOLE, INTERCEPT CONDUIT, AND INSTALL 90 DEGREE ELBOW AND EXTEND THE CONDUIT TO THE LOCATION OF THE NEW HANDHOLE. PAVEMENT SHALL BE REPAIRED PER SHA STD. MD 578.01.
- W. INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE TRAVEL WAY FOR INSTALLATION OF INVASIVE PROBES.
- X. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- Y. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

GEOMETRIC LEGEND

--- EXISTING

UTILITY LEGEND



1 Redline Revision  
Dated June 10, 2011

**SHA**  
MDOT - SHA  
O.O.T.S.

S.H.A. Approval Date  
T.S. # 1730C T.I.M.S. # J798

SCALE: 1" = 20'

APPROVALS		REVISIONS	
TEAM LEADER		112010	
ASSIST. DIR. CHIEF		112010	
DIVISION CHIEF		31997	
OFFICE DIRECTOR		31996	

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

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

MD 611 (STEPHEN DECATUR HWY) AT MD 707 (OLD BRIDGE RD)  
WEST OCEAN CITY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE: 1" = 20' ADVERTISED DATE: 8/29/09 CONTRACT NO.: WO 577-502-171

DESIGNED BY: W. RICHARDSON COUNTY: WORCESTER  
DRAWN BY: R.E. WATSON LOGMILE: 23061108.16  
CHECKED BY: S. RENZI TMS NO.:  
F.A.P. NO.: TOD NO.:

TS NO. 1730C DRAWING pSG OF P001 SHEET NO. 1 OF 2

BY: Jweaver