



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

AERIAL CABLE DETAIL

PRIMARY	40'+
SECONDARY	29'-4"
FIELD SPUN PRIMARY	23'-4"
COMM	20'-11"
COMM	19'-6"
GRADE	

CONSTRUCTION DETAILS

- A. INSTALL 40 FT. CLASS II WOOD POLE WITH SPAN WIRE, ONE-3 IN. WEATHER HEAD, AND ONE-3 IN. PVC SCHEDULE 80 RISER. STA. 18+83, 43' LT.
- B. INSTALL 24 IN. WHITE REMOVABLE PAVEMENT LINE MARKINGS FOR STOP LINE.
- C. INSTALL 3/8 IN. SPAN WIRE WITH A 1/4 IN. TETHER WIRE WITH TRAFFIC SIGNAL HEADS AND SIGNS.
- D. CAP AND ABANDON EXISTING CONDUIT.
- E. REMOVE EXISTING SIGNAL POLE AND FOUNDATION 12 IN. BELOW SUB-GRADE AND BACKFILL.
- F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- G. INSTALL 40 FT. CLASS II WOOD POLE WITH SPAN WIRE. STA. 18+51, 45.5' LT.
- H. REMOVE EXISTING HANDHOLE 12 IN. BELOW GRADE AND BACKFILL.
- K. USE EXISTING HANDHOLE.
- L. USE EXISTING CONDUIT.
- M. USE EXISTING CABINET AND CONTROLLER AND INSTALL NEW VIDEO INTERFACE EQUIPMENT.
- N. USE EXISTING SIGNAL POLE AND INSTALL VIDEO DETECTION CAMERA.
- P. REMOVE FRAME AND COVER OF EXISTING HANDHOLE, INTERCEPT CONDUIT TO CABINET, AND EXTEND CONDUIT TO THE LOCATION OF THE NEW HANDHOLE.
- Q. MAINTAIN EXISTING LOOP DETECTORS.
- R. REMOVE ALL EXISTING LOOP DETECTOR CABLES FROM EXISTING HANDHOLES AND CONDUITS AND ABANDON EXISTING LOOPS.
- S. REMOVE EXISTING VIDEO DETECTION CAMERA.
- T. INSTALL HANDHOLE.
- V. INSTALL CONCRETE FOUNDATION WITH THE SALVAGED (SEE DRAWING PSG OF P002) 27 FT. STEEL POLE WITH SINGLE 70 FT. MAST ARM (CUT TO 60 FT.) WITH SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM, 250 WATT HPS LAMP AND LUMINAIRE, AND OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON LIGHTING ARM. (NOTE: ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 19+00, 38' LT.
- W. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

NOTE: REFER TO MOT SHEET 23 FOR PEDESTRIAN DETOUR DURING THIS PHASE.

GEOMETRIC LEGEND

---	EXISTING
---	PROPOSED

UTILITY LEGEND

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

SABRA, WANG & ASSOCIATES, INC.
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 (410) 737-6564
 WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

3	REDLINE REVISION NO. 3 REPLACE SHEET, DECEMBER 16, 2011
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MOT STAGE 2

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

MD 144 (FREDERICK RD) AT I-695 NB RAMPS/WOODLAWN AVE
 INTERCHANGE RECONSTRUCTION
 CATONSVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE: 1" = 20' DATE: 6/29/09 CONTRACT NO.: BA358A52/B52

DESIGNED BY: COUNTY: BALTIMORE
 DRAWN BY: S. BLOSS LOGMILE: 003144004.14
 CHECKED BY: N. LEARY T.I.M.S. NO.:
 F.A.P. NO.: SEE TITLE SHEET TOD NO.:

TS NO. 3901B DRAWING NO. pSG OF P004 SHEET NO. 190 OF 235