

EXISTING SIGNALS

1,2	3,4,7,8	10	12
5,6	9,11,13,16		14,15
(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)
12"	12"	12"/8"	12"

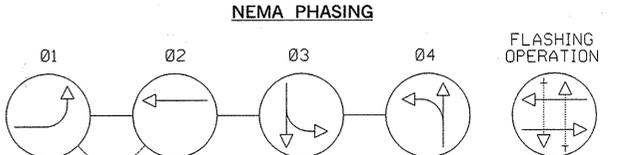
EXISTING VIDEO DETECTION CAMERA

PROPOSED SIGNS

28,28a
31,31a

Baltimore BLVD
D3-2
(VAR. X 16 IN.)
DUAL FACED

EXISTING SIGNS TO REMAIN



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

EXISTING SIGNS TO BE REMOVED

LINE HEIGHTS (LH-1)

TETHER: 19'-5"
TELEPHONE: 20'-6"
CABLE: 22'-4"
SPAN: 23'-9"

LINE HEIGHTS (LH-2)

TETHER: 19'-6"
TELEPHONE: 22'-0"
CABLE: 23'-2"
SPAN: 24'-11"

- CONSTRUCTION DETAILS**
- INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3 TURNS).
 - INSTALL NON-INVASIVE MICROLOOP PROBE SET.
 - INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS).
 - INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE. SPLICE EXISTING 2-CONDUCTOR ALUMINUM SHIELDED ELECTRICAL CABLE TO THE LOOP WIRE.
 - INSTALL ELECTRICAL HANDHOLE.
 - INSTALL 3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED).
 - EXISTING LOOP DETECTOR TO BE REMOVED BY GRIND.
 - USE EXISTING HANDHOLE.
 - USE EXISTING CONDUIT.
 - USE EXISTING SPAN WIRE.
 - REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS.
 - INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED PAVEMENT MARKING LINES FOR STOPLINE.
 - ABANDON EXISTING CONDUIT; CAP AT NEAREST HANDHOLE(S).
 - USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
 - INSTALL OVERHEAD SIGN.
 - INSTALL 4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 1-4 IN. PVC 90 DEGREE BEND IN EXISTING BASE MOUNTED CABINET.

- GENERAL NOTES**
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSA STANDARD TYPICALS FOR TRAFFIC CONTROL.
 - THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
 - WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
 - THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
 - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
 - ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
 - ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
 - SEE THE I.F.B FOR SIDEWALK AND RAMP LAYOUTS.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 140 (BALTIMORE BOULEVARD) AT MD 97 (MALCOLM DRIVE)

STV Incorporated
engineers/architects/planners/construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND

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

APPROVALS

TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

1	INSTALL VIDEO DETECTION FOR EB WB AND SB APPROACHES AND NON-INVASIVE PROBES ALONG MD 140	11/2/2008
2	INSTALLATION OF VIDEO DETECTION ON NB APPROACH	11/2/2008
3	MODIFIED FOR NEW GEOMETRICS	2/00
4		0917

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 11/21/1985 CONTRACT NO. CL-612-501-785

DESIGNED BY	COUNTY	CARROLL
DRAWN BY	LOGMILE	060014008.00
CHECKED BY	TIMS NO.	1-344
F.A.P. NO.	SEE TITLE SHEET	TOD NO.

TS NO. 165 O DRAWING SG- 1 OF 9 SHEET NO. OF