DRILL HOLES

DRILL HOLES

DRILL HOLES

BRIDGE REV. DATE: June 1, 2004

MD 122 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

17
Kernan DR
Colonial RD
NEXT SIGNAL
D3-3 (3) SIGN
VAR.x36"

14B
Kernan DR
D3-2 DUAL FACE SIGN
VAR.x16"

13A
Colonial RD
D3-2 DUAL FACE SIGN
VAR.x16"

14A
Kernan DR
D3-2 DUAL FACE SIGN
VAR.x16"

13B
Colonial DR
D3-2 DUAL FACE SIGN
VAR.x16"

18
Colonial DR
Kernan DR
NEXT SIGNAL
D3-3 (3) SIGN
VAR.x36"

15
Security BLVD
WEST MARYLAND 122 EAST
D3-2 /M95-1
78"x40"

16
Security BLVD
EAST MARYLAND 122 WEST
D3-2 /M95-1
78"x40"

PROPOSED VIDEO DETECTION CAMERAS

A, B

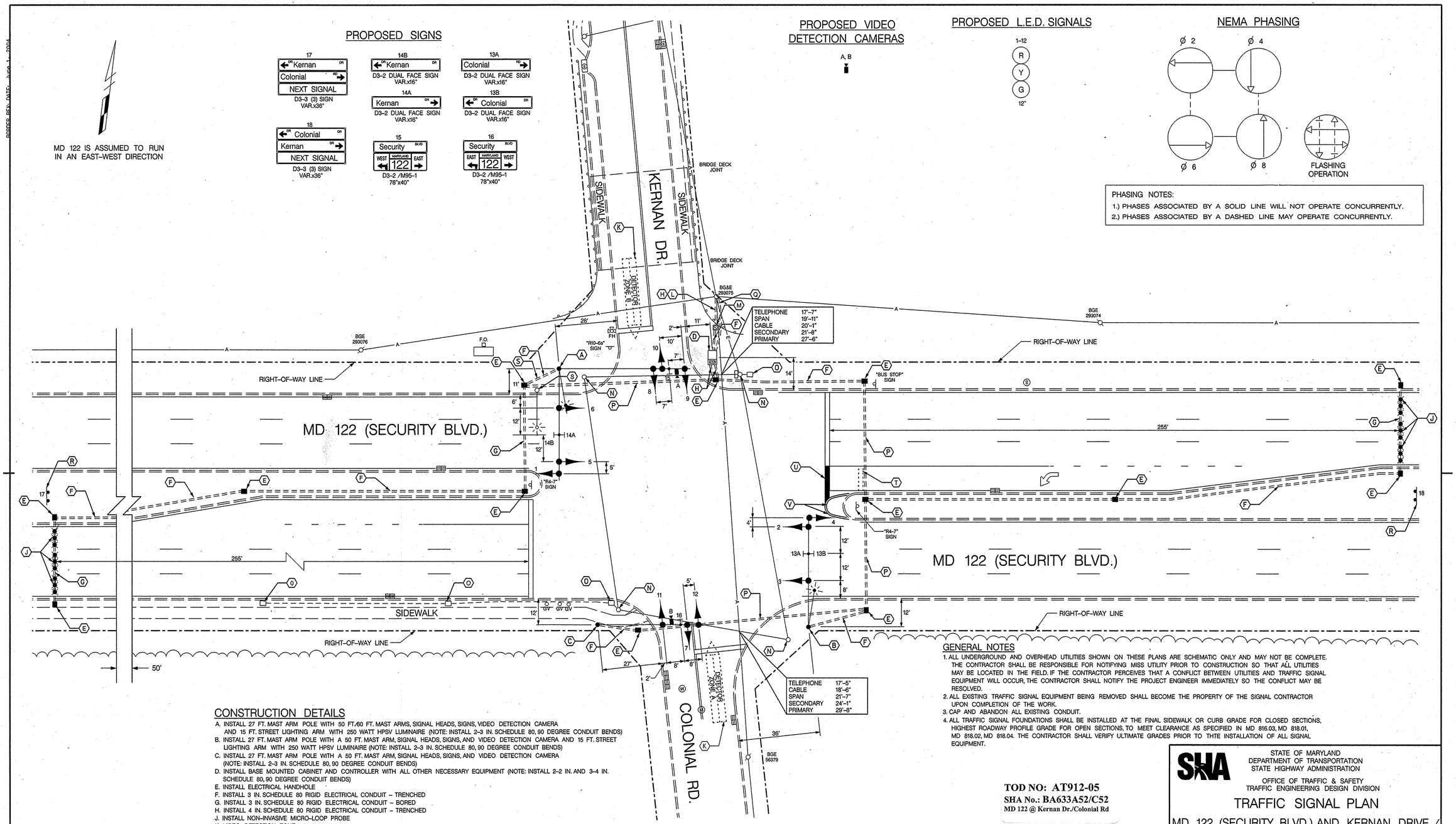
PROPOSED L.E.D. SIGNALS

1-12
R
Y
G
12"

NEMA PHASING

Ø 2 Ø 4
Ø 6 Ø 8
FLASHING OPERATION

PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
3. CAP AND ABANDON ALL EXISTING CONDUIT.
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THTE INSTALLATION OF ALL SIGNAL EQUIPMENT.

CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH 50 FT./60 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
D. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 3-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
E. INSTALL ELECTRICAL HANDHOLE
F. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
G. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – BORED
H. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
J. INSTALL NON-INVASIVE MICRO-LOOP PROBE
K. VIDEO DETECTION ZONE
L. PROPOSED UNDERGROUND ELECTRIC SERVICE
M. INSTALL METER SERVICE PEDESTAL
N. REMOVE EXISTING STRAIN POLE AND ALL ASSOCIATED EQUIPMENT
O. REMOVE EXISTING HANDHOLE
P. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – BORED
Q. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
R. INSTALL D3-3 (3) SIGN ON TWO 4 IN. X 6 IN. WOOD SUPPORTS APPROXIMATELY 550 FT. IN ADAVANCE OF THE INTERSECTION
S. REMOVE EXISTING STEEL POLE AND STREET LIGHT
T. REMOVE EXISTING STOP LINE
U. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
V. INSTALL 5 IN. YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TOD NO: AT912-05
SHA No.: BA633A52/C52
MD 122 @ Kernan Dr./Colonial Rd

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

B	RECONSTRUCT SIGNAL		
12-4-06		SHA NO. AT9125185	
TMZ			
A	INSTALL VIDEO DETECTION CAMERA		
11-12-02			
NML			

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN

MD 122 (SECURITY BLVD.) AND KERNAN DRIVE / COLONIAL ROAD

SCALE 1" = 20' DATE _____ CONTRACT NO. _____

DESIGNED BY	S. BLOSS	COUNTY	BALTIMORE
DRAWN BY	N.LEARY	LOGMILE	03012202.07
CHECKED BY		T.I.M.S. NO.	H 349
F.A.P. NO.	N/A	TOD NO.	

DRAWING NO. TS-4541 B

SHEET NO. 1 OF 2

m:\1500\1566\60-md 122 @ kernan\si Dec. 14, 2006 10:24:30