

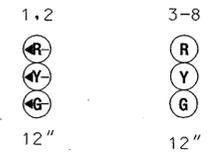


MD 24 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION

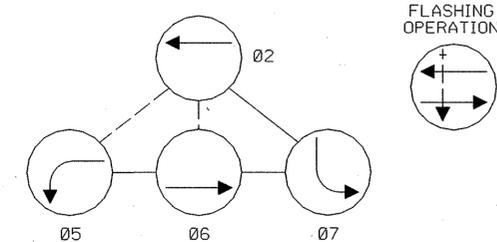
PROPOSED SIGNS



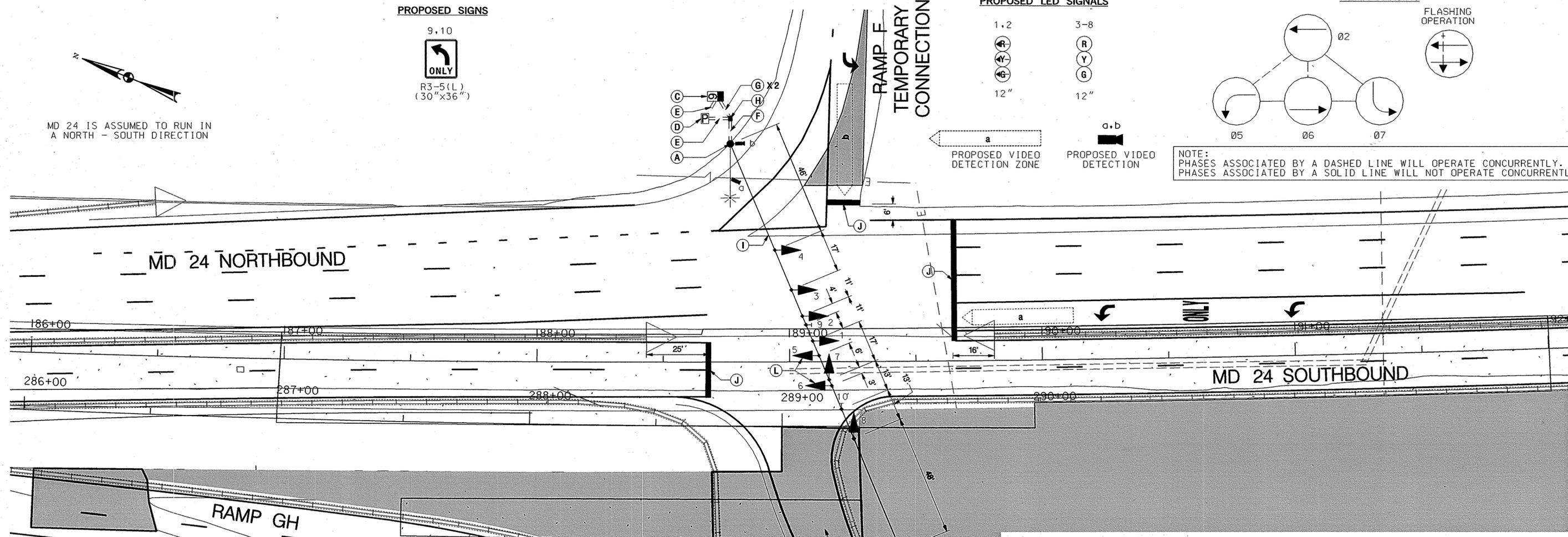
PROPOSED LED SIGNALS



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 CONCRETE FOUNDATION WITH A 14 IN. X 32 FT. (TWO PLY) STEEL STRAIN POLE WITH SPAN WIRE, 20FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE, AND OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON LIGHTING BRACKET AND STRAIN POLE (AS SHOWN). (NOTE: TWO 3 IN. PVC SCHEDULE 80, 90 DEGREE CONDUIT BEND) STA. 288+77 LT. 112'
- B. INSTALL CONCRETE FOUNDATION WITH A 14 IN. X 32 FT. (TWO PLY) STEEL STRAIN POLE WITH SPAN WIRE, 20FT. LIGHTING ARM, AND 250 WATT HPS LUMINAIRE. (NOTE: TWO 3 IN. PVC SCHEDULE 80, 90 DEGREE CONDUIT BEND) STA. 289+48 RT. 49'
- C. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80, 90 DEGREE CONDUIT BENDS). STA 288+73, 131' LT.
- D. INSTALL 200 AMP METERED SERVICE PEDESTAL. (NOTE ONE-4 IN. AND TWO-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS IN PEDESTAL BASE)
- E. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - RECANTED
- G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL HANDHOLE.
- I. INSTALL 3/8 INCH SPAN WIRE AND 1/4 IN. SPAN WIRE (TETHER CABLE) WITH SIGNALS AND SIGNS.
- J. INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKING FOR STOP LINE. STA. 288+71 LT 22', STA. 289+23 LT 88', AND STA. 289+65 LT 60'
- K. AREA TO BE RECONSTRUCTED IN OVERNIGHT USING FLAGGING OPERATION. SEE MOT PLAN FOR DETAILS.
- L. SUFFICIENT SLACK SHALL BE COILED AT THE SIGNAL HEADS TO ACCOMMODATE THEIR RELOCATION IN THE NEXT PHASE (55 FEET AT EACH HEAD).

GENERAL NOTES

1. VIDED CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA/OOTS ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. 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 CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER 2 WEEKS PRIOR TO BEGINNING SIGNAL WORK TO ARRANGE FOR A SHA SIGNAL INSPECTION.

GEOMETRIC LEGEND		MAINTENANCE OF TRAFFIC LEGEND	
	EXISTING		WORK THIS PHASE
	PROPOSED		TEMPORARY PAVEMENT
	UTILITY LEGEND		TEMPORARY CONCRETE TRAFFIC BARRIER
SD	STORM DRAIN		TEMPORARY CRASH CUSHION, SAND FILLED PLASTIC BARRELS
G	GAS MAIN		PLASTIC DRUMS
W	WATER MAIN		TYPE III BARRICADE
S	SEWER MAIN		
E	ELECTRIC CABLES		
A	AERIAL CABLES		
T	TELEPHONE CABLES		
F	FIBER-OPTIC		

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 24 AT SOUTHBOUND I-95 RAMP (RAMP J) ON-RAMP (RAMP K)
IMPROVEMENTS TO I-95 AND MD 24 INTERCHANGE

REVISIONS	TEMPORARY TRAFFIC SIGNAL PLAN	
STAGE 3 MOT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS MDTA #KH-271-000-002 DH [Signature] 7/7/06	SCALE 1" = 20'	DATE JULY 7, 2006 CONTRACT NO. KH-271-000-002
DESIGNED BY T. WELLS	COUNTY HARBORD	
DRAWN BY T. WELLS	LOGMILE	
CHECKED BY J. CLARK	T. I. M. S. NO.	
F. A. P. NO.	TOD NO.	
DRAWING NO. PSG OF P021	SHEET NO. 706 OF 889	

MOT-STAGE-3

DMJM HARRIS | AECOM

PLOTTED: THURSDAY, JULY 06, 2006 AT 04:25 PM
FILE: T:\PROJ\MD24\WORKING\PSG-021-MD24-32206.DGN

BY: WELLST2