

PROJECT DESCRIPTION

I. GENERAL
THIS PROJECT INVOLVES INSTALLATION OF APS/CPS PEDESTRIAN EQUIPMENT ON THE NORTH, SOUTH, AND WEST LEGS OF THE INTERSECTION OF MD 28 (KEY WEST AVENUE) AT DIAMONDBACK DRIVE/BROSCHART ROAD IN MONTGOMERY COUNTY, MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.
II. INTERSECTION OPERATION
THIS INTERSECTION OPERATES IN A NEMA FIVE-PHASE SEMI-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT-TURN PHASE FOR WESTBOUND MD 28. THE NORTHBOUND AND SOUTHBOUND APPROACHES OF THE INTERSECTION OPERATE SPLIT PHASED.
III. PEDESTRIAN OPERATION
NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTONS TO CROSS THE NORTH, SOUTH, AND WEST LEG OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
NORTH: "WAIT TO CROSS DIAMONDBACK AT KEY WEST, WAIT."
SOUTH: "WAIT TO CROSS BROSCHART AT KEY WEST, WAIT."
WEST: "WAIT TO CROSS KEY WEST AT DIAMONDBACK/BROSCHART, WAIT."
WHEN THE WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

CONTACT PERSONS

THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

- DISTRICT 3 OFFICE OF TRAFFIC AND SAFETY
MS. ANYESHA MOOKHERJEE (MO) ASSISTANT DISTRICT ENGINEER - TRAFFIC 301-513-7358
MR. VICTOR GRAFTON DISTRICT ENGINEER - UTILITIES 301-513-7350
MR. DUANE BERNARD ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 301-513-7385
MR. THOMAS FOUNTAIN ASSISTANT DISTRICT ENGINEER - MAINTENANCE 301-513-7304
MONTGOMERY COUNTY
MR. ROBERT RICKETTS TECHNICAL CENTER SUPERVISOR PHONE NUMBER 240-876-3681
MR. KAMAL HAMUD MONTGOMERY COUNTY-TRAFFIC ENGINEERING PHONE NUMBER 301-777-8761
MS. CORREN JOHNSON CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. ED RODENHIZER CHIEF SIGNAL OPERATIONS 410-787-7650
MR. EUGENE BAILEY CHIEF SIGN OPERATIONS 410-787-7670
MR. MIKE STOCKER SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: MD 104.03-11, MD 104.04-13 THROUGH MD 104.04-16.

EQUIPMENT LIST

Table with columns: ITEM NO., QUANTITY, UNIT, DESCRIPTION. Lists equipment to be furnished by state highway administration and contractor, including signs, pavement marking lines, curbs, and electrical equipment.

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

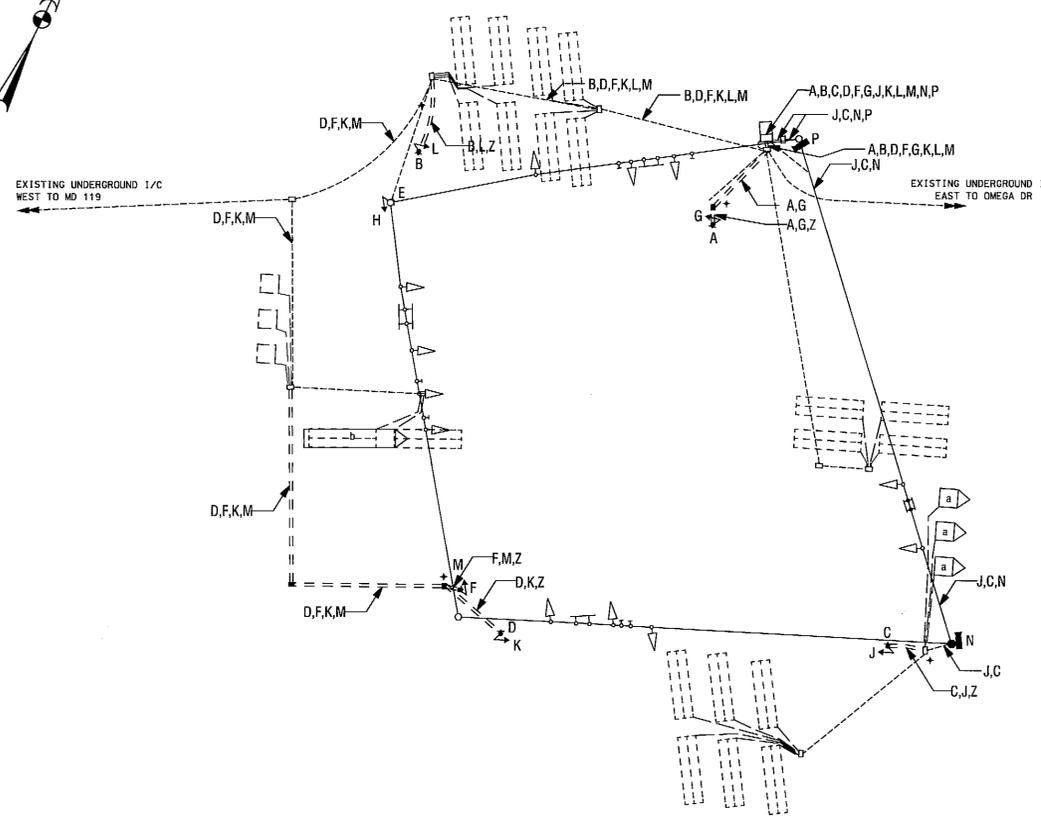
KCI TECHNOLOGIES logo and address: 936 RIDGEBROOK ROAD, SHARPS, MARYLAND 21152, TELEPHONE: (410) 316-7800, FAX: (410) 316-7818

PHASING CHART

Phasing chart table with columns 1-18 and rows for PHASE 2 & 5, PHASE 2 & 6, PHASE 3, PHASE 4, PHASE ALT 4, PED CLEARANCE, ALT 4 CHANGE, FLASHING OPERATION.



WIRING DIAGRAM



WIRING KEY

- A,B,C,D,F ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
G,J,K,L,M ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
E,H CONNECT TO EXISTING CABLE
N,P VIDEO DETECTION CONTROL CABLE
Z NO. 6 AWG STRANDED BARE COPPER GROUND WIRE.
+ GROUND ROD

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION
MD 28 (KEY WEST AVENUE) AT DIAMONDBACK AVENUE/BROSCHART ROAD ROCKVILLE, MARYLAND
GENERAL INFORMATION SHEET
SCALE N.T.S. ADVERTISED DATE MARCH 2013 CONTRACT NO. XY1515185
DESIGNED BY AMH/KVB COUNTY MONTGOMERY
DRAWN BY JG LOGMILE 15002818.91
CHECKED BY JFL TMS NO. L735
F.A.P. NO. TOD NO.