

BORDER REV. DATE: June 11, 2004

DRILL HOLES

DRILL HOLES

DRILL HOLES

BY: \$USERNAME\$

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with from a permissive left turn for MD 213 Southbound to a exclusive/permissive for MD 213 and Railroad Ave in Cecil County. MD 213 is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA Five-phase semi-traffic-actuated mode, with MD 213 approaches continuing to run concurrently. Railroad Ave. and entrance to the parking lot shall run concurrently. Pre-emption 1 shall remain for MD 213 southbound. Pre-emption 2 shall remain for MD 213 Northbound. Exclusive/permissive left turn phase shall be provided for 213 Southbound.

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

MR. RICHARD LINDSAY DISTRICT ENGINEER PHONE: (410) 810-3210
MR. ROBERT KIEL ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 810-3240
MR. TERRY O. WRIGHT ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 810-3250
MR. BARRY CLOTHIER ASSISTANT DISTRICT ENGINEER - UTILITIES 410-810-3275

CONTACT FOR OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630
MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF - TRAFFIC OPERATIONS DIVISION (410) 787-7630
MR. ED RODENHIZER TEAM LEADER - SIGNAL OPERATIONS (410) 787-7650
MR. EUGENE BAILEY TEAM LEADER - SIGN OPERATIONS (410) 787-7676

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR:

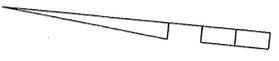
Table with columns: ITEM NO., QUANTITY, DESCRIPTION. Lists items 1001 through 8033 including maintenance of traffic, test pit excavation, concrete foundation, control cable, video detection camera, ped pole, material disposal, ground wire, conduit, handhole, video camera, electrical cable, signal heads, and ground rods.

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7941 CONNELLY DRIVE, HANOVER, MARYLAND 21076.

A. EQUIPMENT TO BE SUPPLIED BY STATE HIGHWAY ADMINISTRATION

Table with columns: ITEM NO., QUANTITY, DESCRIPTION. Lists items 9086 (video detection interface equipment) and 9071 (sheet aluminum for span wire mounting).

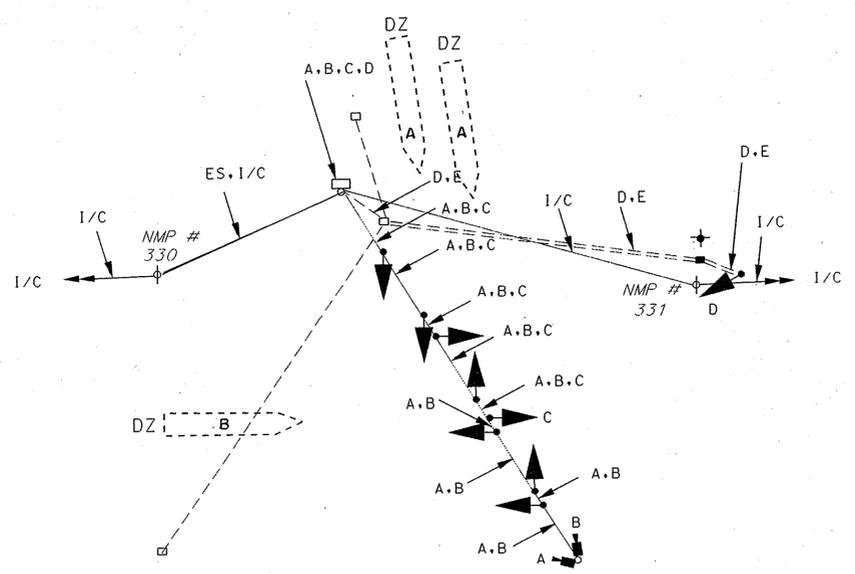


MD 213 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PHASE CHART

Phase chart showing traffic signal phases (R, G, Y) for 9 approaches across different phases (1+6, 2+6, 4+8, flashing, pre-emption, etc.).

WIRING DIAGRAM



WIRING KEY

- A-B - CAMERA W/ 200' LEAD-IN TO CONTROLLER
C-D - 7-CONDUCTOR ELECTRICAL CABLE NO.14 AWG
E - NO.6 AWG STRANDED BARE COPPER GROUND WIRE
I/C - EXISTING COMMUNICATION CABLE
ES - EXISTING OVERHEAD SERVICE FEED
+ - 3/4" X 10' GROUND ROD
DZ - CAMERA DETECTOR ZONE

Century Engineering, Inc. logo and address: 32 WEST ROAD, TOWSON, MARYLAND 21284

SHA logo and project information: STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION, MD 213 (BRIDGE ST) AT RAILROAD AVE, ELKTON, MARYLAND. Includes scale, date, contract no., and designer/drawer info.

PLOTTED: \$DATE\$ TIME\$ FILE: \$FILE\$