

GENERAL

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL IN CONJUNCTION WITH CONSTRUCTION OF A NEW MEDIAN AND WIDENING OF MD 140 (BALTIMORE BOULEVARD), IN CARROLL COUNTY, MD 140 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT-PHASE SEMI-ACTUATED MODE WITH THE ENGLAR ROAD APPROACHES SPLIT PHASED AND THE MD 140 APPROACHES RUNNING CONCURRENTLY.

CONTROLLER REQUIREMENTS

INSTALL A NEW SEMI-TRAFFIC ACTUATED, EIGHT-PHASE CONTROLLER WITH LOOP DETECTOR AMPLIFIERS, AND SYSTEM PACKAGE WITH BATTERY BACKUP FOR A PHONE DROP AND ASSOCIATED HARNESSSES HOUSED IN A NEMA BASE MOUNTED CABINET.

EQUIPMENT LIST "A"

B. Equipment to be Furnished by SHA and Installed by the Contractor

Table with 3 columns: Item No., Quantity, Description. Lists various traffic signal equipment like shield assemblies, signal heads, signs, and controllers.

EQUIPMENT LIST "B" (CONT.)

B. Equipment to be Furnished and/or Installed by the Contractor

Table with 3 columns: Item No., Quantity, Description. Lists equipment like traffic control devices, signal heads, micro loop probe sets, and electrical cables.

Notes: 1. All Equipment to be removed and not listed above shall become the property of the Contractor. 2. The Contractor shall purchase the standard State of Maryland Signal Controller Cabinet from Econolite.

1. THE UTILITIES SHOWN ON THE CONSTRUCTION PLAN ARE SCHEMATIC ONLY AND ARE NOT TO BE CONSIDERED TO BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION...

2. CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS (SHA, OCTOBER, 1993) AND ALL AMENDMENTS. 3. EXISTING TRAFFIC SIGNAL SHALL REMAIN IN OPERATION AND NOT BE REMOVED UNTIL THE NEW SIGNAL EQUIPMENT IS FULLY OPERATIONAL...

GENERAL NOTES

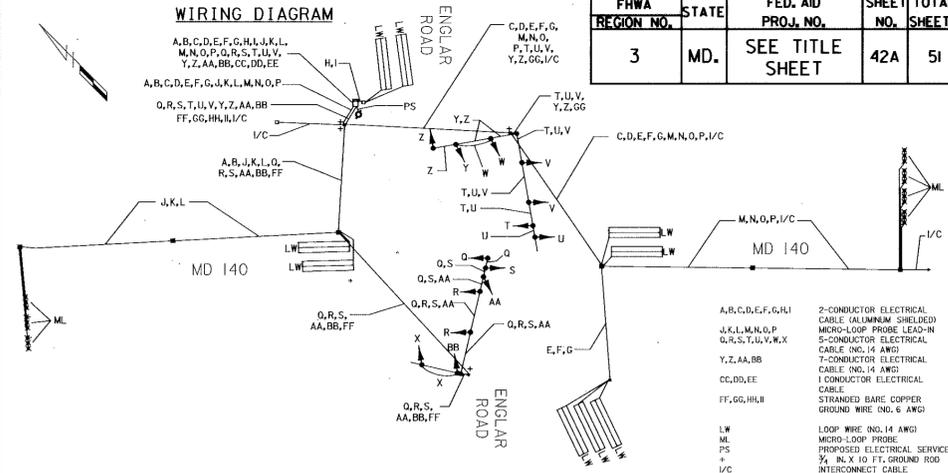
- 4. D.O. INDICATES DELAYED OUTPUT. 5. EXACT SIGNAL HEAD AND SIGN PLACEMENT SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. 6. ALL EXISTING FOUNDATIONS SHALL BE REMOVED TO A DEPTH OF 1'-0" BELOW GRADE AND BACK-FILLED IN ACCORDANCE WITH STATE HIGHWAY ADMINISTRATION STANDARDS.

3 REVISION NO. 3 NEW SHEET

WHITNEY BAILEY COX MAGNANI

Table with 2 columns: REVISIONS, APPROVALS. Contains revision details and approval signatures.

APPROVALS: CHIEF, SIGNAL DESIGN SECTION; ASST. DISTRICT ENGINEER, TRAFFIC; CHIEF, TRAFFIC ENGINEERING DESIGN DIV.; DIRECTOR, OFFICE OF TRAFFIC & SAFETY



PHASE CHART

Phase chart table showing signal phases (1-14) and their corresponding movements (L, R, Y, G) for different changes.

CONSTRUCTION DETAILS

- A. INSTALL 21 FT. STEEL POLE WITH TWIN 70 FT/50FT MAST ARMS, TRAFFIC SIGNAL HEADS AND SIGNS... B. INSTALL 21 FT. STEEL POLE WITH TWIN 70 FT/30FT MAST ARMS... C. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT TRENCHED DURING ISLAND CONSTRUCTION...

LOG MILE 9.62

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET MD 140 (BALTIMORE BLVD) AND ENGLAR ROAD. Includes date, scale, and drawing information.