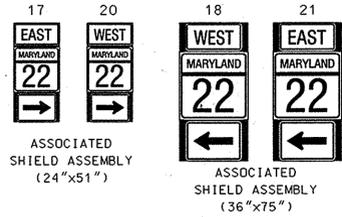
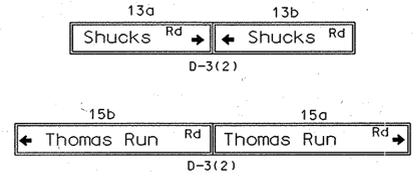


EXISTING SIGNS



NOTE: Signs #14.16 and 18 are to be relocated as shown



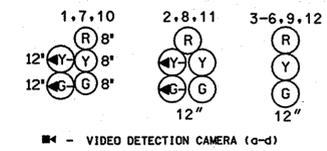
PROPOSED SIGNS



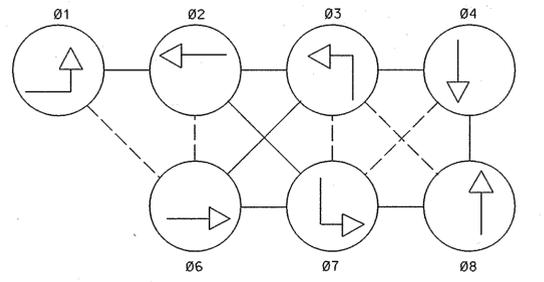
OVERHEAD HEIGHTS

Table listing overhead heights for CATV, Fiber Optic, Elec. Service, Primary, and GUY.

PROPOSED LED SIGNALS



NEMA PHASING



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

NOTE: MD 22 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION

OAK GROVE BAPTIST CHURCH

TO BEL AIR

EXISTING UNDERGROUND 1/2 WEST TO PROSPECT MILL ROAD

HARFORD COUNTY COMMUNITY COLLEGE SIGN

BGE METER #205494

BGE #205495

MCDONALD'S RESTAURANT

SEAFOOD STORE

EXISTING UNDERGROUND 1/2 EAST TO HARFORD COMMUNITY COLLEGE

- CONSTRUCTION DETAILS: A. Install 27' steel pole with a 38' mast arm, LED traffic signal heads, sign, video detection camera, relocated shield assembly sign, relocated D3-2 sign from existing mast arm and 15' lighting arm with 250W HPSV luminaire as shown. (Note: 1-3, 90 polyvinyl chloride (Schedule 80) bends.) The contractor is to install the mast arm parallel to the adjacent overhead utilities. The lighting arm is to aimed slightly away from the utilities to avoid primary conflicts. B. Install 21' steel pole with a 60' mast arm, LED traffic signal heads, video detection camera and sign as shown. (Note: 1-3, 90 polyvinyl chloride (Schedule 80) bends.) The contractor is to install the mast arm parallel to the adjacent overhead utilities. C. Install NEMA size "6" base-mounted cabinet and controller with video interface and all necessary equipment as shown. D. Install handhole. E. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched). F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched). G. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched). H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored). J. Install meter pedestal. K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with pull string for power service to base of base of utility pole for proposed underground electrical service by BGE. L. Disconnect existing 12-pair interconnect cable in existing pole-mounted cabinet, pull back to handhole and reroute through proposed conduit into base-mounted cabinet. M. Disconnect existing 6-pair interconnect cable and probe cable in existing pole-mounted cabinet, pull back to handhole and reroute through proposed conduit into base-mounted cabinet. (Utilize slack in cables that are adjacent handholes as needed). N. Install proposed LED signal head on existing mast arm as shown. O. Replace existing Traffic signal head with an LED traffic signal head and rewire as shown. P. Install proposed video detection camera on existing mast arm as shown. Q. Remove existing overhead R10-12 sign as shown. R. Use existing twin mast arm and rewire luminaire. Existing Surveillance camera and cabinet to remain. S. Use existing conduit. T. Use existing handhole. U. Remove existing handhole (cap and abandon existing conduit). V. Existing 2" conduit to remain (unused at this time). W. Remove existing crosswalk markings. X. Remove existing steel pole with twin mast arms, pole-mounted cabinet, electrical service and all attached equipment. Note: Existing street name sign and "WEST" MD 22 (left arrow) signs are to be relocated to the proposed adjacent mast arm and pole detailed "A". Existing "WEST" MD 22 (right arrow) sign to be relocated to pole detailed "B". Y. Replace existing non-evasive probe in 3" conduit. Z. Remove existing traffic signal head. AA. Remove existing stopline and install new stopline in same location. BB. Install R3-5(R) sign onto existing mast arm.

GENERAL NOTES: 1. All underground 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 the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved. 2. The contractor shall remove all unused wiring. 3. 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, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.

SHA No: HA350A51/B51
TOD No: AT914-06M
MD 22 @ Thomas Run Rd/Shucks Rd

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
MD 22 (CHURCHVILLE ROAD @ THOMAS RUN ROAD / SHUCKS ROAD)

GEOMETRIC LEGEND, LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES, STREET TRAFFIC STUDIES, LTD. logo and contact info.

APPROVALS and REVISIONS table with columns for TEAM LEADER, ASST. DIV., DIVISION CHIEF, OFFICE DIRECTOR and revision details.

TRAFFIC SIGNAL PLAN table with columns for SCALE, DATE, CONTRACT NO., DESIGNED BY, DRAWN BY, CHECKED BY, F.A.P. NO., TS NO., DRAWING NO., SHEET NO.