| F.H.W.A. REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | MD | SEE BELOW | 1 | 1 |

## NEMA PHASING




PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

## SIGNALS



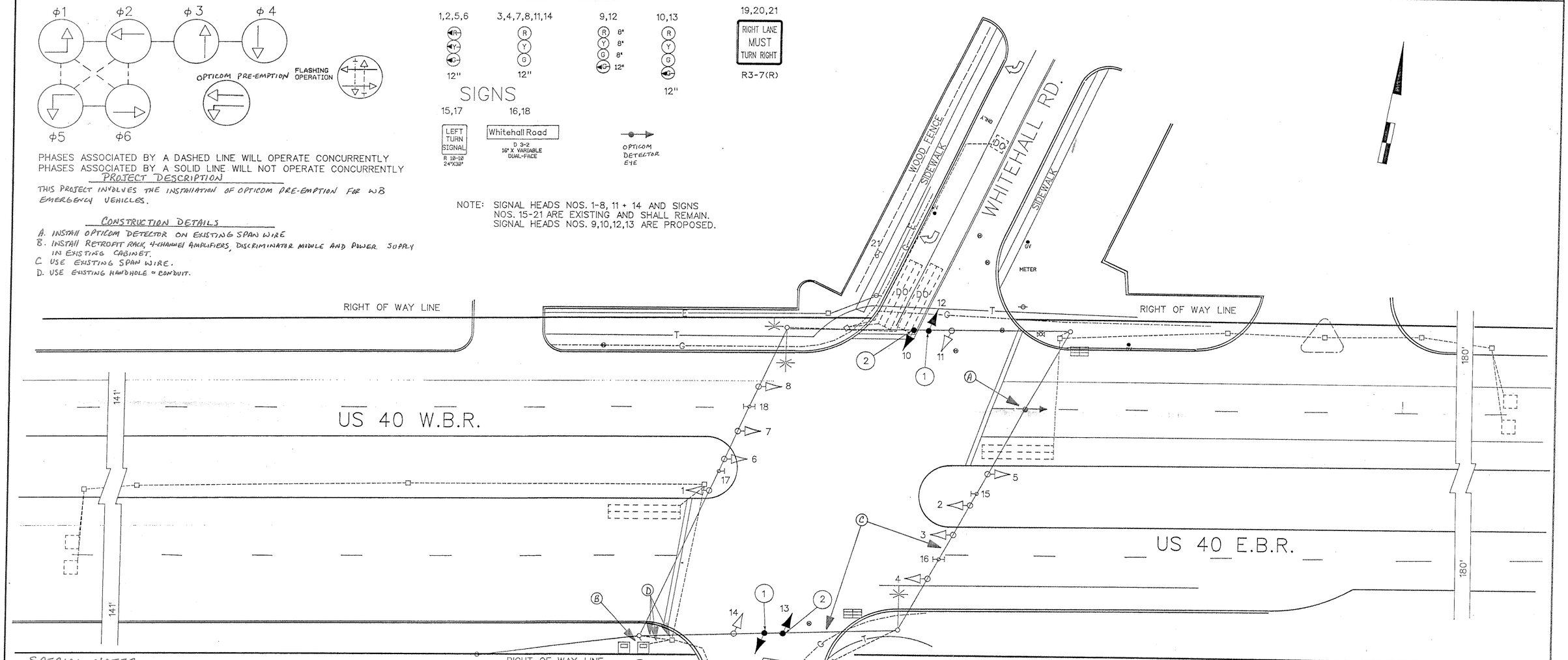

NOTE: SIGNAL HEADS NOS. 1-8, 11 + 14 AND SIGNS NOS. 15-21 ARE EXISTING AND SHALL REMAIN. SIGNAL HEADS NOS. 9,10,12,13 ARE PROPOSED.

### PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM PRE-EMPTION FOR WB EMERGENCY VEHICLES.

### CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR ON EXISTING SPAN WIRE
B. INSTALL RETROFIT RACK, 4-CHANNEL AMPLIFIERS, DISCRIMINATOR MODULE AND POWER SUPPLY IN EXISTING CABINET.
C. USE EXISTING SPAN WIRE.
D. USE EXISTING HANDHOLE & CONDUIT.




### SPECIAL NOTES

1. THE CONTRACTOR SHALL DELIVER THE 3 OPTICOM EMITTERS TO STATION HOUSE #3 LOCATED EAST OF THIS INTERSECTION @ US 40 @ NORMIRA AVE.

### A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

| ITEM # | QUANTITY | ITEM DESCRIPTION |
|---|---|---|
| 9000 | 1 EA | D-PANEL W/ HARNESS |
| 9000 | 1 EA | RETROFIT RACK |
| 9002 | 4 EA | 4-CHANNEL AMPLIFIER RACK MT. |
| 9004 | 1 EA | DETECTOR POWER SUPPLY |

} ITEMS TO BE CHARGED TO THE STATEWIDE DETECTOR UPGRADE PROGRAM.

### B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

| ITEM # | QUANTITY | ITEM DESCRIPTION |
|---|---|---|
| 8012 | 1 EA | FURNISH & INSTALL 3M OPTICOM # 721 DETECTOR EYE |
| 8014 | 1 EA | FURNISH & INSTALL 3M OPTICOM # 762 DISCRIMINATOR MODULE |
| 8015 | 3 EA | FURNISH & INSTALL 3M OPTICOM EMMITTER SYSTEM 500 SERIES, VISIBLE LIGHT FILTER & HARDWARE |
| 8037 | 890 LF | FURNISH & INSTALL 4-CONDUCTOR OPTICOM DETECTOR CABLE. |

### UTILITY LEGEND

| | |
|---|---|
| —G—G— | GAS MAIN |
| —W—W— | WATER MAIN |
| —S—S— | SEWER MAIN |
| —E—E— | ELECTRIC CABLES |
| —A—A— | AERIAL CABLES |
| —T—T— | TELEPHONE CABLES |

| REVISIONS | APPROVALS | REVISIONS |
|---|---|---|
| D INSTALL OPTICOM FOR WB EMERGENCY VEHICLES TS/22 TIMS#E063 CTS | CHIEF, DESIGN SECTION | ORIGINAL ON FILE |
| C PROVIDE SIDE STREET SPLIT ON WHITEHALL RD. 7-11-95 KLW | ASST. DISTRICT ENGINEER, TRAFFIC | |
| B CHANGE E/P LT'S TO EXCLUSIVE LT'S ON US 40 8-22-94 SMR | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION | |
| A SHA NO CE-698-509-285 ADD LOOP DETECTORS 4-2-87 WJR DAZ ETP TH | DIRECTOR, TRAFFIC & SAFETY | |

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION

# US 40 & WHITEHALL ROAD

LOGMILE 07004015.44

| | | | |
|---|---|---|---|
| DRAWN BY: W.J.R. | F.A.P. NO. | PLAN SHEET NO.: | SHEET NO. |
| CHECK BY: S.A.R. | S.H.A. NO. CE-698-509-285 | TS-2259C | 1 OF 1 |
| SCALE: 1"=20' | COUNTY CECIL | | |