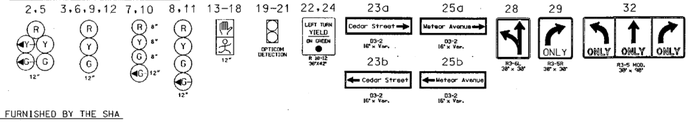
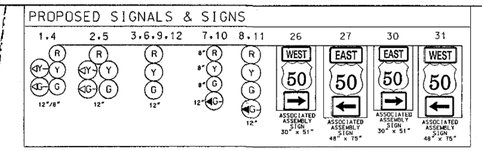
US 50 RUNS IN A EAST-WEST DIRECTION.

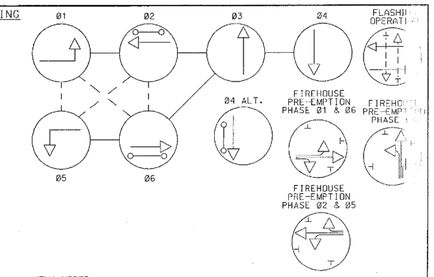
## EXISTING SIGNALS & SIGNS




## PROPOSED SIGNALS & SIGNS




## NEMA PHASING




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

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| | 71.2 S.F. | 1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, US 50, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE |
| | | 1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, US 50, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE |
| | | 1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, US 50, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE |
| | | 1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, US 50, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE |

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

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 8011 | 36 EACH | F & I 12" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION |
| 8019 | 12 EACH | F & I 8" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION |
| 8075 | 71.2 S.F. | INSTALL OVERHEAD MOUNTED SIGN |
| 8084 | 120 L.F. | F & I ELECTRICAL CABLE - 5-CONDUCTOR (NO. 14 AWG) |
| 8085 | 1,765 L.F. | F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG) |

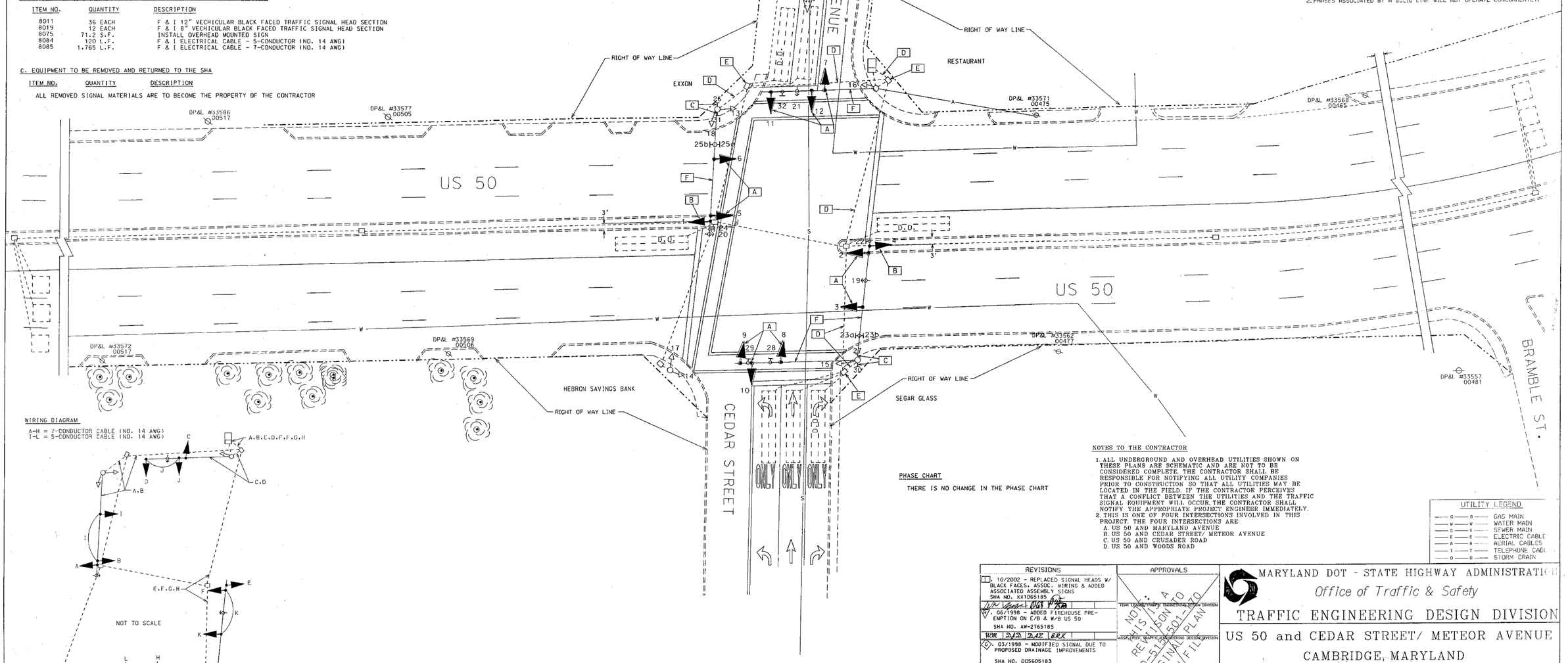
C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

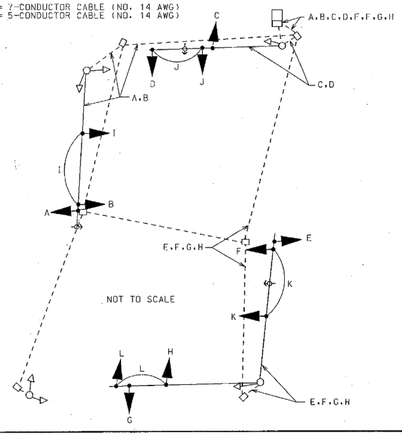
CONSTRUCTION DETAILS

A. REMOVE THE EXISTING SIGNAL HEAD.
INSTALL THE PROPOSED SIGNAL HEAD.
B. INSTALL THE PROPOSED SIGNAL HEAD.
C. INSTALL THE PROPOSED SIGN.
D. USE THE EXISTING CONDUIT.
E. USE THE EXISTING HANDHOLE.
F. USE THE EXISTING MAST ARM.




WIRING DIAGRAM

A-H = 7-CONDUCTOR CABLE (NO. 14 AWG)
I-L = 5-CONDUCTOR CABLE (NO. 14 AWG)




PHASE CHART

THERE IS NO CHANGE IN THE PHASE CHART

NOTES TO THE CONTRACTOR

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. THIS IS ONE OF FOUR INTERSECTIONS INVOLVED IN THIS PROJECT. THE FOUR INTERSECTIONS ARE:
   A. US 50 AND MARYLAND AVENUE
   B. US 50 AND CEDAR STREET/ METEOR AVENUE
   C. US 50 AND CRUSADER ROAD
   D. US 50 AND WOODS ROAD

UTILITY LEGEND

| | |
|---|---|
| G | GAS MAIN |
| W | WATER MAIN |
| S | SEWER MAIN |
| E | ELECTRIC CABLE |
| A | AERIAL CABLES |
| T | TELEPHONE CABLE |
| D | STORM DRAIN |

REVISIONS

1. 10/2002 - REPLACED SIGNAL HEADS W/ BLACK FACES, ASSOC. WIRING & ADDED ASSOCIATED ASSEMBLY SIGNS
SHA NO. XX1065185
WM | DJD | DLB | BRK
V. 06/1998 - ADDED FIREHOUSE PRE-EMPTION ON E/B & W/B US 50
SHA NO. AW-2765185
WM | DJD | DLB | BRK
C. 03/1998 - MODIFIED SIGNAL DUE TO PROPOSED DRAINAGE IMPROVEMENTS
SHA NO. D05605183
ZU | DJD | DLB | BRK | ZU
F. 01/1998 - ADDED OPTICOM DETECTOR EYE ON EXIST. MAST ARM ON METEOR AVENUE:
SHA NO. A027651[illegible]
W.M. | D.J.D. | D.L.B. | B.R.K.

APPROVALS

TEAM LEADER/TRAFFIC ENGINEERING DESIGN DIVISION
ASSIST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

REVISION TO ORIGINAL PLAN D-5-1-501-70

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

US 50 and CEDAR STREET/ METEOR AVENUE
CAMBRIDGE, MARYLAND

| | | | |
|---|---|---|---|
| DRAWN BY: | F.A.P. NO. | T.S. NO. TS-336 I | SHEET NO. |
| CHECKED BY: | S.H.A. NO. 0521A52 | | |
| SCALE: 1" = 20' | COUNTY DORCHESTER | T.I.M.S. NO. F-415 | 2 OF 4 |
| DATE: | LOG MILE U9005001.37 | | |