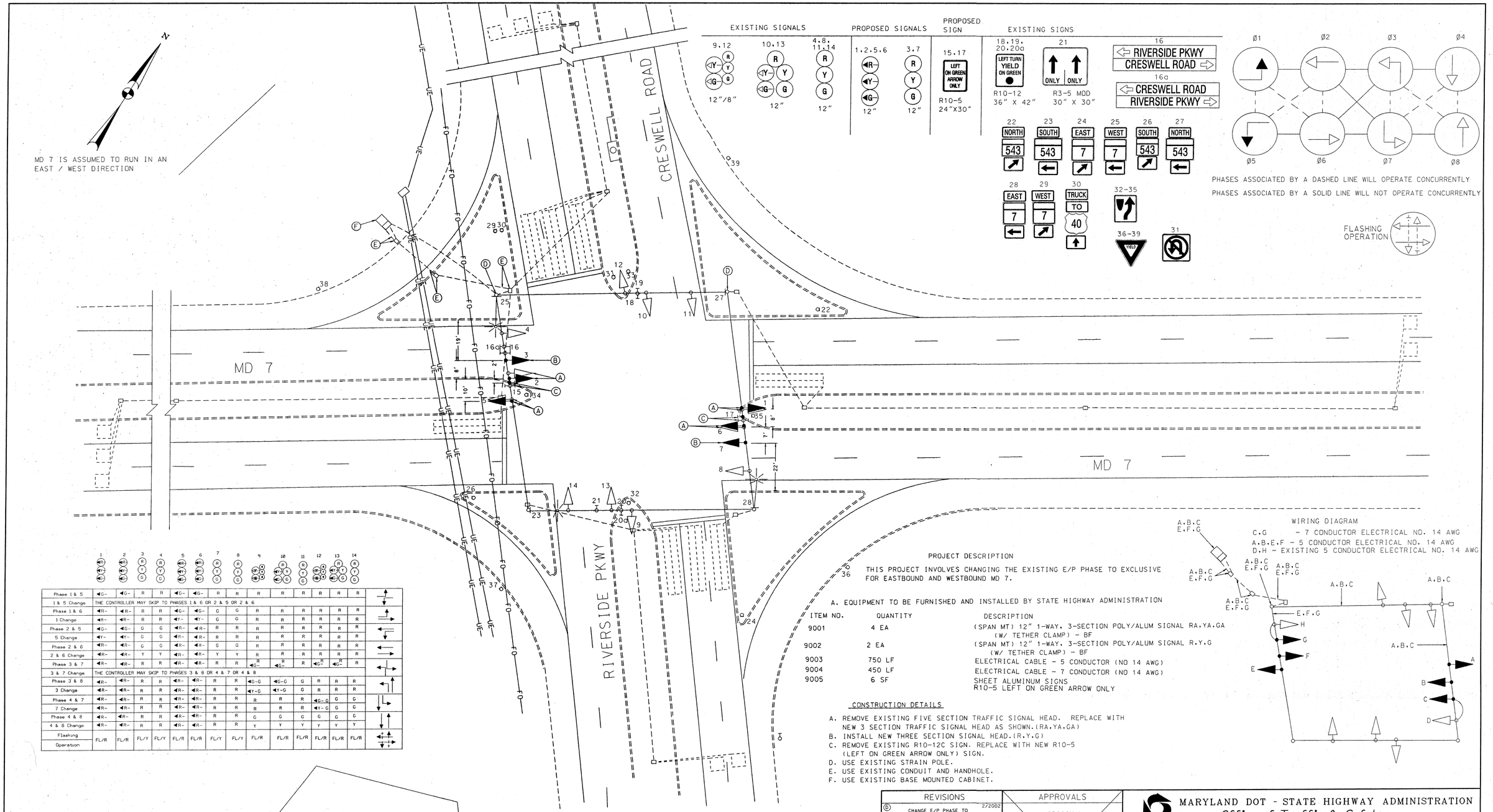


| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phase 1 & 5 | ◀G- | ◀G- | R | R | ◀G- | ◀G- | R | R | R | R | R | R | R | R |
| 1 & 5 Change | THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6 | | | | | | | | | | | | | |
| Phase 1 & 6 | ◀R- | ◀R- | R | R | ◀G- | ◀G- | G | G | R | R | R | R | R | R |
| 1 Change | ◀R- | ◀R- | R | R | ◀Y- | ◀Y- | G | G | R | R | R | R | R | R |
| Phase 2 & 5 | ◀G- | ◀G- | G | G | ◀R- | ◀R- | R | R | R | R | R | R | R | R |
| 5 Change | ◀Y- | ◀Y- | G | G | ◀R- | ◀R- | R | R | R | R | R | R | R | R |
| Phase 2 & 6 | ◀R- | ◀R- | G | G | ◀R- | ◀R- | G | G | R | R | R | R | R | R |
| 2 & 6 Change | ◀R- | ◀R- | Y | Y | ◀R- | ◀R- | Y | Y | R | R | R | R | R | R |
| Phase 3 & 7 | ◀R- | ◀R- | R | R | ◀R- | ◀R- | R | R | R ◀G- | R ◀G- | R | R ◀G- | R ◀G- | R |
| 3 & 7 Change | THE CONTROLLER MAY SKIP TO PHASES 3 & 8 OR 4 & 7 OR 4 & 8 | | | | | | | | | | | | | |
| Phase 3 & 8 | ◀R- | ◀R- | R | R | ◀R- | ◀R- | R | R | ◀G-G | ◀G-G | G | R | R | R |
| 3 Change | ◀R- | ◀R- | R | R | ◀R- | ◀R- | R | R | ◀Y-G | ◀Y-G | G | R | R | R |
| Phase 4 & 7 | ◀R- | ◀R- | R | R | ◀R- | ◀R- | R | R | R | R | R | ◀G-G | G | G |
| 7 Change | ◀R- | ◀R- | R | R | ◀R- | ◀R- | R | R | R | R | R | ◀Y-G | G | G |
| Phase 4 & 8 | ◀R- | ◀R- | R | R | ◀R- | ◀R- | R | R | G | G | G | G | G | G |
| 4 & 8 Change | ◀R- | ◀R- | R | R | ◀R- | ◀R- | R | R | Y | Y | Y | Y | Y | Y |
| Flashing Operation | FL/R | FL/R | FL/Y | FL/Y | FL/R | FL/R | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R |

## PROJECT DESCRIPTION

THIS PROJECT INVOLVES CHANGING THE EXISTING E/P PHASE TO EXCLUSIVE FOR EASTBOUND AND WESTBOUND MD 7.

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY STATE HIGHWAY ADMINISTRATION

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 9001 | 4 EA | (SPAN MT) 12" 1-WAY, 3-SECTION POLY/ALUM SIGNAL RA.YA.GA (W/ TETHER CLAMP) - BF |
| 9002 | 2 EA | (SPAN MT) 12" 1-WAY, 3-SECTION POLY/ALUM SIGNAL R.Y.G (W/ TETHER CLAMP) - BF |
| 9003 | 750 LF | ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG) |
| 9004 | 450 LF | ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG) |
| 9005 | 6 SF | SHEET ALUMINUM SIGNS R10-5 LEFT ON GREEN ARROW ONLY |

## CONSTRUCTION DETAILS

A. REMOVE EXISTING FIVE SECTION TRAFFIC SIGNAL HEAD. REPLACE WITH NEW 3 SECTION TRAFFIC SIGNAL HEAD AS SHOWN.(RA.YA.GA)
B. INSTALL NEW THREE SECTION SIGNAL HEAD.(R.Y.G)
C. REMOVE EXISTING R10-12C SIGN. REPLACE WITH NEW R10-5 (LEFT ON GREEN ARROW ONLY) SIGN.
D. USE EXISTING STRAIN POLE.
E. USE EXISTING CONDUIT AND HANDHOLE.
F. USE EXISTING BASE MOUNTED CABINET.

WIRING DIAGRAM

C.G - 7 CONDUCTOR ELECTRICAL NO. 14 AWG
A.B.E.F - 5 CONDUCTOR ELECTRICAL NO. 14 AWG
D.H - EXISTING 5 CONDUCTOR ELECTRICAL NO. 14 AWG

## 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 | | | | | |
|---|---|---|---|---|---|
| D | CHANGE E/P PHASE TO EXCLUSIVE FOR EAW MD 7 | | | | 2/2002 |
| C | CHANGE MAIN LINE FROM MD 7 TO MD 543 | | | | 4/2000 |
| WM | DJD | | FL | DA | |
| B | REPLACE CONTROLLER & CABINET INSTALL TELEPHONE LINE | | | | 1/98 |
| EBA/DCI | MAR | DAZ | | BRK | DA |
| A | PROVIDE E/P LT SIGNALIZE NEW LEG | | | | 12/90 |
| D.D | D.A.Z | | E.T.P | B.R.K | |

APPROVALS

ORIGINAL

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ON

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

FILE

DIRECTOR, TRAFFIC & SAFETY

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

MD 7 AND MD 543 (RIVERSIDE PKWY) CRESWELL ROAD)

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: M.R.A | F.A.P. NO. | | TS NO. TS 2293 D | SHEET NO. |
| CHECKED BY: D. DODA | S.H.A. NO. | | | |
| SCALE: 1"=20' | COUNTY: | HARFORD | T.I.M.S. NO. F032 | |
| DATE: | LOG MILE: | 12000709.08 | | OF |