## Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

| ITEM | QUANTITY | | DESCRIPTION |
|---|---|---|---|
| 1001 | 2 | EA | MAINTENANCE OF TRAFFIC PER ASSIGNMENT |
| 5005 | 85 | LF | REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH |
| 8008 | 1 | EA | ADJUST AND RE-RING EXISTING SPAN WIRE |
| 8011 | 2 | EA | CONDUIT BEND INTO EXISTING BASE |
| 8014 | 1 | EA | REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT) |
| 8016 | 165 | LF | 2 INCH SCHEDULE 80 RIDGID PVC CONDUIT - TRENCHED |
| 8024 | 1 | EA | WEATHER HEAD, 3 INCH |
| 8029 | 15 | LF | 4 INCH SCHEDULE 80 RIDGID PVC CONDUIT - TRENCHED |
| 8033 | 16 | LF | 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE |
| 8036 | 4 | EA | MICROLOOP PROBE 500 FOOT LEAD IN CABLE |
| 8049 | 4 | EA | RELOCATE EXISTING SIGNAL HEAD |
| NEG | 1 | LF | PULL BACK AND RE-ROUT CABLES |
| 8059 | 200 | LF | SAW CUT FOR SIGNAL (LOOP DETECTOR) |
| 8063 | 215 | LF | STEEL SPAN WIRE 1/4 INCH DIAMETER |
| 8071-A | 3 | EA | F & I AUTOSCOPE SOLO PRO CAMERA |
| 8072-A | 1 | EA | F & I 250' SOLO PRO CAMERA CABLE |
| 8073-A | 2 | EA | F & I 500' SOLO PRO CAMERA CABLE |
| 8074-A | 2 | EA | REMOVE & DISPOSE OF EXISTING FOUNDATION |

## Construction Details

1. Use existing strain pole. Install proposed video detection cameras and video detection lead-in cables.

1a. Use existing strain pole. Install proposed video detection camera and video detection lead-in cables. Remove existing loop detector lead-in cables for phases 5&8. Remove and dispose abandoned riser and disconnect.

2. Use existing span wire. Install proposed video detection lead-in cables. Align signals as needed to accommodate proposed detection zones. Re-ring existing top span wire.

3. Install proposed triple Micro Loop probe sets.

4. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)

5. Use existing handhole. Cap and abandon existing detector sleeve and obstructed conduit. Install proposed triple Micro Loop probe lead-in cables.

6. Install 2" schedule 80 polyvinyl chloride electrical conduit. (trenched) Install proposed triple Micro Loop probe lead-in cables.

7. Use existing handhole. Remove existing loop detector lead-in cable and install proposed triple Micro Loop probe lead-in cables.

8. Use existing conduit. Remove existing loop detector lead-in cable(s) and install proposed triple Micro Loop probe lead-in cables.

9. Use existing handhole. Cap and abandon existing detector sleeve. Remove existing loop detector lead-in cables and install proposed triple Micro Loop probe-lead-in cables.

10. Use existing handhole. Disconnect and remove existing loop detector lead-in cable. Cap and abandon existing detector sleeve.

11. Use existing conduit. Remove existing loop detector lead-in cables.

12. Use existing strain pole. Remove existing loop detector lead-in cables.

13. Use existing span wire. Remove existing loop detector lead-in cables and align signals as needed to accommodate proposed detection zones. Install bottom span and tether existing signals and signs.

14. Use existing handhole. Remove existing loop detector lead-in cable.

15. Install 4" schedule 80 polyvinyl chloride electrical conduit. (trenched) Re-rout detection cables into proposed conduit and bend.

16. Use existing conduit. Remove existing loop detector lead-in cables and install proposed video detection lead-in cables.

17. Use existing handhole. Remove existing loop detector lead-in cables and install proposed video detection lead-in cables and triple Micro Loop probe lead-in cables.

18. Remove existing foundations below grade.

19. Remove one set of stop lines.

20. Use existing controller cabinet. Remove existing loop detector lead-in cables for phases 1, 5, 8 and phase 4 advance detection and install proposed video detection and triple Micro Loop probe lead-in cables. Install 4'and 2'schedule 80 polyvinyl chloride electrical conduit bends into cabinet base. Re-rout detection cables into proposed 4" bend. Traffic Operations Division personnel will install and program camera interface equipment and re-tune amplifiers after completion of proposed detection work

## Equipment List 'A'

Equipment to be supplied by the S.H.A. and installed by the Contractor.

DESCRIPTION

NO SHA MATERIALS

## Equipment List 'C'

DESCRIPTION

NO REMOVAL AND SALVAGE ITEMS

TRAFFIC SIGNAL SYMBOLS

| PROPOSED | | EXISTING |
|---|---|---|
| | HANDHOLE | |
| | LOOP DETECTOR(6X30) | |
| | LOOP DETECTOR(6X6) | |
| | CONDUIT | |
| | MICRO LOOP PROBE SET | |
| | ZOOM LENS IMAGE SENSOR | |

REVISIONS

B — Install Video Detection, Replace Failed Loop Detectors — JOS

A — RELOCATE PROPOSED SIGNAL POLE & WIRE FOR BIGGEST SIGN IMPROVEMENTS — BDH

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

SS-1

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

MD 500 (QUEENS CHAPEL ROAD) AND MD 410A (BELCREST ROAD)
TRAFFIC SIGNALIZATION PLAN

CHI#:2285512509760 TOD#:OT2003-50

| | | | |
|---|---|---|---|
| DRAWN BY: JEL/JFF | F.A.P. NO. M-5187(1)E | TS NO. 589-D | SHEET NO. 2 OF 2 |
| CHECKED BY: BDH | S.H.A. NO. P-117-501-371 | | |
| SCALE: 1 IN. = 20 FT. | COUNTY: PRINCE GEORGE'S | T.I.M.S. NO. F353 | |
| DATE: 5-25-74 | LOC MILE: 16050002.08 | | |