

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
1	EA	SP	POLE MOUNTED LOCAL CABINET (SIZE 5) WITH DETECTION EQUIPMENT WITH 8 PHASE ASC II CONTROLLER WITH TELEMETRY
9	EA	SP	FURNISH 12 INCH 1 WAY 3 SECTION (R, Y, G) SIGNAL HEAD FOR SPAN MOUNTING AND TUNNEL VISORS
1	EA	SP	FURNISH 12 INCH 1 WAY 5 SECTION (R, Y, YA, G, GA) SIGNAL HEAD FOR SPAN MOUNTING AND TUNNEL VISORS

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

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
1	CY	205	TEST PIT EXCAVATION
7	EA	SP	FURNISH AND INSTALL TEMPORARY PAVEMENT MARKING ARROW
7	EA	SP	REMOVE EXISTING PAVEMENT MARKING ARROW
210	LF	SP	FURNISH AND INSTALL 24" WHITE TEMPORARY REFLECTIVE PAVEMENT MARKING TAPE
210	LF	SP	REMOVE EXISTING PAVEMENT MARKINGS- ANY WIDTH
1	EA	SP	FURNISH AND INSTALL 3" WEATHERHEAD
10	EA	SP	INSTALL SIGNAL HEAD (ANY TYPE)
1	EA	SP	REMOVE AND DISPOSE OF EXISTING MATERIAL PER ASSIGNMENT
2	EA	SP	FURNISH AND INSTALL 2" WEATHERHEAD
4	EA	SP	FURNISH AND INSTALL TEMPORARY WOOD POLE
3	EA	SP	COVER EXISTING SIGN
6	EA	SP	COVER EXISTING SIGNAL HEAD
1	EA	SP	RELOCATE EXISTING 15' LIGHTING ARM AND LUMINAIRE
20	SF	813	RELOCATE EXISTING GROUND MOUNTED SIGN
50	LF	805	FURNISH AND INSTALL 2" ELECTRICAL CONDUIT- P.V.C. RISER
45	LF	805	FURNISH AND INSTALL 3" ELECTRICAL CONDUIT- P.V.C. RISER
20	LF	805	FURNISH AND INSTALL 2" SCHEDULE 80 P.V.C. CONDUIT-TRENCHED
20	LF	805	FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
1	EA	807	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
30	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 1 CONDUCTOR (NO. 4 AWG - THHN/THWN)
2	EA	811	FURNISH AND INSTALL ELECTRIC HANDHOLE
50	SF	813	INSTALL GROUND MOUNTED SIGN
50	SF	813	INSTALL OVERHEAD SIGN
50	SF	813	REMOVE EXISTING GROUND MOUNTED SIGN
35	SF	SP	RELOCATE EXISTING OVERHEAD SIGN
10	EA	814	RELOCATE EXISTING SIGNAL HEAD
675	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 2 CONDUCTOR (ALUMINUM SHIELDED)
2420	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 5 CONDUCTOR (NO 14 AWG)
530	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 7 CONDUCTOR (NO 14 AWG)
820	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 2 CONDUCTOR TRAY CABLE (NO 12 AWG)
1425	LF	810	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)
400	LF	815	FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)
2	EA	818	FURNISH AND INSTALL 15-FOOT LIGHTING ARM ON SIGNAL STRUCTURE
1	EA	818	FURNISH AND INSTALL 25-FOOT LIGHTING ARM ON SIGNAL STRUCTURE
540	LF	819	FURNISH AND INSTALL STEEL SPAN WIRE 3/8" IN DIAMETER
1	EA	816	INSTALL CONTROLLER AND CABINET-POLE MOUNT

PROJECT DESCRIPTION

I. GENERAL

THIS INTERSECTION IS MD RTE 146 (DULANEY VALLEY ROAD AND RAMP "F" SPUR AND RAMP "G". CONSTRUCTION AT THIS INTERSECTION INVOLVES THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL. IT IS ASSUMED THAT MD RTE 146 (DULANEY VALLEY ROAD) RUNS IN AN EAST-WEST DIRECTION

II. INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR (4) PHASE SEMI-TRAFFIC ACTUATED MODE. NORTHBOUND AND SOUTHBOUND MD RTE 146 (DULANEY VALLEY ROAD) WILL OPERATE CONCURRENTLY AND EASTBOUND RAMP "G" WILL OPERATE SEPERATELY.

A NEW EIGHT PHASE FULLY ACTUATED CONTROLLER WITH TELEMETRY MODULE HOUSED IN A POLE MOUNTED CABINET WILL BE INSTALLED.

III. SIGNAL REMOVAL

THE TEMPORARY TRAFFIC SIGNAL SHALL BE REMOVED UPON COMPLETION OF STAGE IIA. THE REMOVAL OF THE TEMPORARY SIGNAL SHALL BE CONSULTED WITH THE DISTRICT ENGINEER BEFORE REMOVAL. REMOVAL SHALL INCLUDE, BUT NOT LIMITED TO POLE MOUNTED CONTROLLER, TEMPORARY WOOD POLES, SPAN WIRE, SIGNAL HEADS, SPAN WIRE MOUNTED SIGNS, HAND BOXES AND CONDUIT.

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TRAFFIC CONTROL NOTES

MDOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION LOG ML

DRAWN BY: M.J.G.

DES. BY: R.W.P.

CHK. BY: C.S.C

DATE: 9-30-98

SCALE: NONE

F.A.P. NO.

S.H.A. NO. BA9775372

TS/STD. NO.

3774X-G1

SHEET NO.

125 OF 155

REVISIONS	APPROVALS
	CHIEF, SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY



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