

EQUIPMENT LIST "A"

EQUIPMENT LIST "B"

CONSTRUCTION DETAILS

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
806	960025	3 EACH	12 IN., 1-WAY, 3-SECTION (R.Y.G.) SIGNAL HEAD SPAN MOUNT
806	960001	1 EACH	8 IN., 1-WAY, 3-SECTION (R.Y.G.) SIGNAL HEAD SPAN MOUNT
806	960008	1 EACH	12 IN., 1-WAY, 5-SECTION (R.Y.YA.G.GA.) SIGNAL HEAD SPAN MOUNT
806	900000	1 EACH	12 IN./8 IN., 1-WAY, 5-SECTION 12 IN. (YA.GA.) AND 8 IN. (R.Y.G.) SIGNAL HEAD SPAN MOUNT
806	960069	1 EACH	12 IN., 1-WAY, 2-SECTION PEDESTRIAN SIGNAL HEAD POLE MOUNT
806	960068	1 EACH	12 IN., 2-WAY, 2-SECTION PEDESTRIAN SIGNAL HEAD POLE MOUNT
817	965001	1 EACH	PEDESTRIAN PUSHBUTTON AND SIGN
816	971017	1 EACH	EIGHT PHASE, FULLY-ACTUATED TRAFFIC SIGNAL CONTROLLER IN A NEMA SIZE "6" BASE MOUNTED SYSTEM READY CABINET
816	963007	3 EACH	FOUR CHANNEL LOOP DETECTOR AMPLIFIERS (DELAY OUTPUT)

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

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
104	120500	L.S.	MAINTENANCE OF TRAFFIC
205	203030	3 C.Y.	TEST PIT EXCAVATION
801	801004	8 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
804	837001	4 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH
805	800000	45 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805	800000	20 L.F.	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805	805160	25 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
807	807205	1 EACH	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
810	802501	400 L.F.	FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
810	861104	330 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR ALUMINUM SHIELDED
810	861107	90 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
810	861108	700 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
810	862101	1,340 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
811	811001	6 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
814	800000	10 EACH	INSTALL SIGNAL HEAD - ANY TYPE
815	862102	1,127 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
816	871117	1 EACH	INSTALL EIGHT-PHASE (FULLY ACTUATED) CONTROLLER AND CABINET - BASE MOUNT
817	865201	1 EACH	INSTALL PUSHBUTTON AND SIGN
---	114245	75 L.F.	FURNISH AND INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE)
810	800000	2 EACH	MICRO-LOOP PROBE SET WITH 1,000 FT. LEAD IN
---	800000	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
---	873001	L.S.	REMOVE EXISTING SIGNAL EQUIPMENT TO BE SALVAGED
---	800000	L.S.	DELIVERY OF SALVAGED MATERIALS
---	869102	320 L.F.	FURNISH AND INSTALL 3/8" SPAN WIRE
810	810010	10 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 4 AWG)
818	866104	2 EACH	FURNISH AND INSTALL 20' LIGHTING ARM ON SIGNAL STRUCTURE
806	831010	2 EACH	FURNISH AND INSTALL 250 WATT H.P.S. LAMP AND LUMINAIRE
810	861106	550 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 3 CONDUCTOR (NO. 14 AWG)
810	861116	275 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR (NO. 12 AWG)
810	861105	490 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR (NO. 14 AWG)
805	800000	50 L.F.	FURNISH AND INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
815	800000	40 S.F.	RELOCATE EXISTING SIGNS ON SPAN WIRE OR STEEL POLE
818	800000	2 EACH	FURNISH AND INSTALL 12"x30' STRAIN POLE
819	869101	240 L.F.	FURNISH AND INSTALL 1/4" SPAN WIRE
---	800000	6 EACH	COVER SIGNAL HEAD
---	800000	1 EACH	COVER SIGN
---	100000	66 L.F.	FURNISH AND INSTALL 5 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE

STAGE II

- A. INSTALL 12" x 30' STEEL STRAIN POLE WITH 20 LF LIGHTING ARM AND LUMINAIRE, CONTROL AND DISTRIBUTION EQUIPMENT, PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTON, AND (RELOCATE EXISTING SIGNS TO STEEL POLE) SIGN AS SHOWN [NOTE: 1-2" PVC (SCHEDULE 80) 90° BEND AND 2-3" PVC 90° BENDS].
- B. INSTALL 12" x 30' STEEL STRAIN POLE WITH PEDESTRIAN SIGNAL HEADS AS SHOWN [NOTE: 1-3" PVC (SCHEDULE 80) 90° BEND].
- C. EXISTING STEEL STRAIN POLE TO REMAIN. INSTALL 20 LF LIGHTING ARM AND LUMINAIRE AND NEW SIGN AS SHOWN.
- D. REMOVE SIGNS FROM SPAN WIRE.
- E. INSTALL 3/8" STEEL SPAN WIRE, TRAFFIC SIGNAL HEADS AND SIGNS AS SHOWN. SIGNS AND FIVE-SECTION SIGNAL HEAD TO BE TETHERED USING 1/4" SPAN WIRE. THE CONTRACTOR SHALL LEAVE ENOUGH CABLE TO RELOCATE THEM FOR MAINTENANCE OF TRAFFIC PLACEMENT.
- F. USE EXISTING TRAFFIC SIGNAL HEADS AND SIGN ON EXISTING SPAN WIRE.
- G. INSTALL TRAFFIC SIGNAL CONTROLLER WITH THREE (3) FOUR-CHANNEL LOOP DETECTOR AMPLIFIERS IN BASE-MOUNTED, SYSTEM READY CABINET. [NOTE: 1-2" PVC 90° (SCHEDULE 80) CONDUIT BEND AND 2-4" PVC 90° CONDUIT BENDS.]
- H. INSTALL HANDHOLE.
- I. INSTALL 1" LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVES).
- J. INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT-TRENCHED.
- K. INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT-TRENCHED.
- L. INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT-TRENCHED.
- M. INSTALL 6' x 30' LOOP DETECTOR, ENCASED IN 1/4" FLEXIBLE TUBING (3-6-3 TURNS) QUADRUPOLE TYPE.
- N. REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL CONTROLLER AND POLE MOUNTED CABINET. INSTALL PEDESTRIAN SIGNAL HEAD, SIGN, & PUSH BUTTON.
- O. NOT USED.
- P. CAP AND ABANDON EXISTING CONDUIT.
- Q. DISCONNECT AND ABANDON EXISTING LOOP WIRES.
- R. REMOVE EXISTING HANDHOLE.
- S. REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL POLE, SPAN WIRE, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND PUSHBUTTONS AS SHOWN.
- V. INSTALL MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN.
- X. FURNISH AND INSTALL 24" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
- Y. INSTALL OVERHEAD POWER FEED BY OTHERS.
- Z. INSTALL SPAN WIRE, SIGNAL HEAD, AND CABLE AS SHOWN.
- aa. INSTALL 5" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.

STAGE 2 ADDENDUM
TEMPORARY TRAFFIC SIGNALS SS-5



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

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 16019711.69

DRAWN BY: SMH
DES. BY: SMH/DLA
CHK. BY: BJH

DATE: FEBRUARY, 1999 F.A.P. NO. SEE TITLE SHEET
SCALE: N/A S.H.A. NO. N/A

MD 197 AT SOUTH LAUREL DRIVE
SIGNAL PLAN
COUNTY: PRINCE GEORGE'S

TS/STD. NO.: SHEET NO.
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