

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
806	960061	1 EACH	12 IN., 1-WAY, 3-SECTION (R,Y,G) SIGNAL HEAD POLE MOUNT
806	960015	6 EACH	12 IN., 1-WAY, 3-SECTION (R,Y,G.) SIGNAL HEAD SPAN WIRE MOUNT POLYCARBONATE
806	960019	2 EACH	12 IN., 1-WAY, 4-SECTION (R,Y,G,G) SIGNAL HEAD SPAN MOUNT POLYCARBONATE
806	960020	1 EACH	12 IN., 1-WAY, 5-SECTION (R,Y,G,G,G) HEAD SPAN WIRE MOUNT SIGNAL POLYCARBONATE
816	971017	1 EACH	EIGHT PHASE, FULLY-ACTUATED TRAFFIC SIGNAL CONTROLLER IN A NEMA SIZE *6" POLE MOUNTED SYSTEM READY CABINET
816	963007	1 EACH	FOUR CHANNEL LOOP DETECTOR AMPLIFIERS (DELAY OUTPUT)
813	973023	149 S.F.	SHEET ALUMINUM SIGNS
		- 1 EACH	R3-8A SIGN (30 IN. x 36 IN.) - "LANE USE CONTROL - LEFT, THRU & RIGHT" SPAN WIRE MOUNT
		- 1 EACH	R3-5 SIGN (30 IN. x 36 IN.) - "LANE USE CONTROL - LEFT ONLY" SPAN WIRE MOUNT
		- 4 EACH	D3-2 SIGN (VARIABLE x 16 IN.) - (ADVANCE STREET NAME PANEL) DUAL FACED SPAN WIRE MOUNT
		- 1 EACH	ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (48 IN. x 75 IN.) POLE MOUNT: M3-3 SIGN (30 IN. x 15 IN.) "SOUTH" (FOR INDEPENDENT USE) MI-5 SIGN (48 IN. x 36 IN.) "MARYLAND 197" (FOR INDEPENDENT USE) M6-1 SIGN (30 IN. x 24 IN.) "DIRECTIONAL ARROW-HORIZONTAL"
		- 1 EACH	R10-12 SIGN (36 IN. x 42 IN.) - "LEFT TURN YIELD ON GREEN O" SPAN WIRE MOUNT
		- 1 EACH	ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (48 IN. x 75 IN.) POLE MOUNT: M3-1 SIGN (30 IN. x 15 IN.) "NORTH" (FOR INDEPENDENT USE) MI-5 SIGN (48 IN. x 36 IN.) "MARYLAND 197" (FOR INDEPENDENT USE) M6-1 SIGN (30 IN. x 24 IN.) "DIRECTIONAL ARROW-HORIZONTAL"
		- 1 EACH	R3-2 SIGN (30 IN. x 30 IN.) (LANE USE CONTROL - NO LEFT TURN SPAN WIRE MOUNT)
		- 1 EACH	ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 51 IN.) POLE MOUNT: M3-3 SIGN (24 IN. x 12 IN.) "SOUTH" (FOR INDEPENDENT USE) MI-5 SIGN (30 IN. x 24 IN.) "MARYLAND 197" (FOR INDEPENDENT USE) M6-1 SIGN (21 IN. x 15 IN.) "DIRECTIONAL ARROW-HORIZONTAL"
		- 1 EACH	ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 51 IN.) POLE MOUNT: M3-1 SIGN (24 IN. x 12 IN.) "NORTH" (FOR INDEPENDENT USE) MI-5 SIGN (30 IN. x 24 IN.) "MARYLAND 197" (FOR INDEPENDENT USE) M6-1 SIGN (21 IN. x 15 IN.) "DIRECTIONAL ARROW-HORIZONTAL"
		- 1 EACH	R5-1 SIGN (30 IN. x 30 IN.) "DO NOT ENTER" SPAN WIRE MOUNT

EQUIPMENT LIST "B"

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	4 C.Y.	TEST PIT EXCAVATION
801	801004	1 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
804	837001	2 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH
805	805160	5 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
806	831010	2 EACH	FURNISH AND INSTALL 250 WATT H.P.S. LAMP AND LUMINAIRE
807	807205	1 EACH	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
810	802501	20 L.F.	FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
810	861104	400 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
810	861107	100 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
810	861116	305 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)
810	862101	1418 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
811	811001	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813	800000	149 S.F.	INSTALL OVERHEAD SIGN
805	805023	30 L.F.	FURNISH AND INSTALL 2" ELECTRICAL CONDUIT - PVC RISER
815	862102	1220 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
816	871201	1 EACH	INSTALL EIGHT-PHASE (FULLY ACTUATED) CONTROLLER AND CABINET - POLE MOUNTED
	800000	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
	873001	L.S.	REMOVE EXISTING SIGNAL EQUIPMENT TO BE SALVAGED
810	861108	630 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
	800000	1 EACH	FURNISH AND INSTALL 2" WEATHER HEAD
	800000	4 EACH	FURNISH AND INSTALL 3" WEATHER HEAD
	800000	L.S.	DELIVERY OF SALVAGED MATERIALS
	800000	4 EACH	FURNISH AND INSTALL 40' CLASS 2 WOOD POLE WITH BACK GUY\S
	869102	450 L.F.	FURNISH AND INSTALL 3/8" SPAN WIRE
805	800000	120 L.F.	FURNISH AND INSTALL 3" ELECTRICAL CONDUIT - PVC RISER
805	800000	20 L.F.	FURNISH AND INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805	805011	70 L.F.	FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL CONDUIT FOR DETECTOR SLEEVE.
	114245	145 L.F.	FURNISH AND INSTALL 24" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
	100000	50 L.F.	FURNISH AND INSTALL 5" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.
810	800000	2 EACH	MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN.
814	800000	10 EACH	INSTALL SIGNAL HEADS-ANY TYPE.
	869101	450 L.F.	FURNISH AND INSTALL 1/4" SPAN WIRE
	800000	1 EACH	COVER OVERHEAD SIGN
	800000	1 EACH	COVER SIGNAL
818	866104	2 EACH	FURNISH AND INSTALL 20' LIGHTING ARM ON SIGNAL POLE.

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7941 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

QUANTITY	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET.

- NOTES:
1. THE CONTRACTOR SHALL NOTIFY THE SHA AT 410-787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.
  2. ALL EQUIPMENT TO BE REMOVED AND NOT LISTED ABOVE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION DETAILS

- FURNISH AND INSTALL 40' CLASS 2 WOOD POLE, 1-2" AND 1-3" RISER, 1-2" AND 1-3" WEATHER HEADS, A POLE MOUNTED CONTROL CABINET SIZE \*5", 20' LIGHTING ARM, 250 WATT HIGH PRESSURE SODIUM LUMINAIRE, SIGNS AND BACK GUY\S AS DIRECTED BY THE ENGINEER.
- FURNISH AND INSTALL 40' CLASS 2 WOOD POLE, 3" WEATHER HEAD AND 3" RISER AND BACK GUY\S AS DIRECTED BY THE ENGINEER.
- FURNISH AND INSTALL SIGNAL HEADS, SIGNS AND DOUBLE 3/8" SPAN WIRE, AND 1/4" SPAN WIRE.
- FURNISH AND INSTALL 6' X 30' LOOP DETECTOR, ENCASED IN 1/4" FLEXIBLE TUBING (3-6-3 TURNS) QUADRUPOLE TYPE.
- FURNISH AND INSTALL 1" LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- FURNISH AND INSTALL HANDHOLE.
- FURNISH AND INSTALL 3" SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- REMOVE HANDHOLE.
- REMOVE WOOD POLE AND BACK GUY\S.
- REMOVE WOOD POLE, BACK GUY(S) AND CONTROLLER CABINET AND LIGHTING ARM.
- REMOVE SPAN WIRE AND SIGNAL HEADS.
- REMOVE EXISTING SERVICE.
- INSTALL 24" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE)
- FURNISH AND INSTALL 40' CLASS 2 WOOD POLE, 3" WEATHER HEAD, 3" RISER, 20' LIGHTING ARM, 250 WATT HIGH PRESSURE SODIUM LUMINAIRE, SIGNS AND BACK GUY\S.
- FURNISH AND INSTALL 1" GALVANIZED STEEL CONDUIT (DETECTOR WIRE SLEEVE) ELECTRICAL.
- INSTALL 5" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.
- INSTALL MICRO-LOOP PROBE SET 1,000' LEAD-IN.
- REMOVE GROUND MOUNTED SIGN.
- COVER OVERHEAD SIGN
- COVER SIGNAL

STAGE 3  
TEMPORARY TRAFFIC SIGNALS

ADDENDUM

SS-17

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

MD 197 AT SNOWDEN RD/RAMP C-1  
SIGNAL PLAN

COUNTY: PRINCE GEORGE'S

DATE: FEBRUARY, 1999 F.A.P. NO. SEE TITLE SHEET TS/STD. NO.: SHEET NO.  
SCALE: N/A S.H.A. NO. N/A 3582B-X3-G12 126G OF 367

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

February, 1999  
Reconstruct Due To New Geometrics. SHA No: N/A