CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE '6' BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS AND 3-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS). INSTALL CENTER OF PAD AT STA. 597+92, OFFSET 65 FT. RT.

B. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT. AND 70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 1-3 IN. WEATHERHEAD, AND 15 FT. LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOCELL (NOTE: 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND). THE VIDEO DETECTION CAMERAS 'A' & 'B' SHALL BE INSTALLED ON THE 15 FT. LIGHTING ARM. INSTALL CENTER OF 27 FT. STEEL POLE AT STA. 598+20.7, OFFSET 53 FT. LT.

C. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD. (NOTE: 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND). INSTALL CENTER OF POLE AT STA. 598+18.2, OFFSET 39.4 FT. RT.

D. NOT USED

E. INSTALL 40 FT. CLASS II WOOD POLE WITH 3 IN. RISER, DOWNGUY, 3 IN. WEATHERHEAD AND UTILITY SERVICE.

F. INSTALL HANDHOLE.

G. INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE-SLEEVE).

H. INSTALL AND CAP 1 IN. LIQUID-TIGHT, NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE-SLEEVE).

J. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

K. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

L. INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE).

M. INSTALL 3/8 INCH SPAN WIRE WITH TEMPORARY OVERHEAD SIGNAL CABLES.

N. INSTALL VIDEO DETECTION CAMERA 'C' ONTO EXISTING SIGNAL STRAIN POLE 15 FT. LIGHTING ARM AT STA. 599+65, OFFSET 47.5 FT. RT.

P. INSTALL 6 FT. X 6 FT. LOOP DETECTOR.

R. INSTALL SIGNAL HEAD ONTO EXISTING SPAN WIRE AND BOTTOM TETHER

S. PROPOSED TEMPORARY OVERHEAD SERVICE.

T. PROPOSED VIDEO DETECTION ZONE.

U. REMOVE EXISTING SPAN WIRE, TRAFFIC SIGNAL HEADS, SIGNS, AND CABLE.

V. REMOVE EXISTING SPAN WIRE AND CABLE.

W. REMOVE EXISTING STRAIN POLE.

X. REMOVE EXISTING POLE FOUNDATION TO 1' BELOW FINAL GRADE.

Y. REMOVE EXISTING CONTROLLER AND CABINET.

Z. REMOVE EXISTING HANDHOLE.

AA. REMOVE EXISTING OVERHEAD SERVICE.

BB. REMOVE EXISTING SIGNAL HEAD FROM SPAN WIRE.

CC. REMOVE EXISTING PAVEMENT MARKINGS.

DD. ABANDON EXISTING CONDUIT.

EE. ABANDON EXISTING LOOP DETECTOR.

FF. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED FOR TEMPORARY UNDERGROUND ELECTRICAL SERVICE.

GG. 4 IN. CONDUIT INSTALLED UNDER INTERCONNECT PLAN.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

SPEC. NO.	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
816	971017	1 EA.	EIGHT PHASE (FULLY ACTUATED) CONTROLLER AND CABINET-BASE MOUNT
816	963010	3 EA.	FOUR CHANNEL LOOP DETECTOR AMPLIFIER, RACK MOUNT
813	973023	55 S.F.	SHEET ALUMINUM SIGN
			- 2 EACH R3-5(L) (30" x 36")
			- 1 EACH R10-5 (18" x 24")
			- 1 EACH ASSOCIATED SHIELD ASSEMBLY (48" x 75") M3-2 (30" x 15") M1-5 (48" x 36") M6-1 (30" x 24")
			- 2 EACH D-3(2) "TOWSONTOWN BLVD" DUAL FACED (VARIABLE x 12")
			- 1 EACH D-3(2) "CHARLES ST" (VARIABLE x 12")
---	900000	1 EA.	VIDEO INTERFACE EQUIPMENT

EQUIPMENT LIST "B"

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

SPEC. NO.	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
104.11	114245	50 L.F.	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKINGS (STOP LINE)
104	120500	L.S.	MAINTENANCE OF TRAFFIC
---	199020	50 L.F.	REMOVAL OF EXISTING PAVEMENT MARKINGS - ANY WIDTH
205	203030	2 C.Y.	TEST PIT EXCAVATION
801	801004	7 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
810	802501	250 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805	805018	40 L.F.	3 INCH ELECTRICAL CONDUIT - GALVANIZED RISER
805	805050	2 EA.	WEATHER HEAD, 3 INCH
805	805125	10 L.F.	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805	805140	700 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805	805155	225 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
805	805160	25 L.F.	1 INCH LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
807	807400	1 EA.	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 100 AMPS
811	811001	9 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE
811	811002	9 EA.	REMOVE ELECTRICAL HANDHOLE
813	813010	1 EA.	BAND SIGN TO SUPPORT
813	813015	30 S.F.	INSTALL OVERHEAD SIGN
816	816001	3 EA.	VIDEO DETECTION CAMERA
816	816010	3 EA.	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
810	818004	1 EA.	10 FOOT BREAKAWAY PEDESTAL POLE
818	818051	1 EA.	STEEL POLE WITH TWIN 50 FOOT AND 70 FOOT MAST ARMS
806	831010	1 EA.	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
804	837001	3 EA.	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
814	860272	31 EA.	12 INCH VEHICULAR SIGNAL HEAD SECTION
814	860282	4 EA.	12 INCH PEDESTRIAN SIGNAL HEAD SECTION PEDESTAL POLE MOUNT
810	861104	1275 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED: NO. 14 A.W.G.)
810	861106	100 L.F.	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G.)
810	861107	2350 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
810	861108	700 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
810	861116	775 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 A.W.G.)
810	861117	25 L.F.	ELECTRICAL CABLE - 3 WIRE (NO. 4 A.W.G.)
810	862101	250 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO.14 A.W.G.)
815	862102	125 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
818	866103	1 EA.	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE
819	869102	150 L.F.	STEEL SPAN WIRE - 3/8 INCH DIAMETER
816	871117	1 EA.	INSTALL EIGHT PHASE (FULLY ACTUATED) CONTROLLER AND CABINET - BASE MOUNT
SP	800000	1 EA.	FURNISH AND INSTALL 40' CLASS II WOOD POLE WITH BACKGUY
---	800000	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE I
TEMPORARY TRAFFIC SIGNAL

SG-3 OF SG-11

RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 139 (CHARLES STREET) AND TOWSONTOWN BLVD.
TOWSON, MARYLAND
GENERAL INFORMATION SHEET 2

DRAWN BY: S.M.H.	F.A.P. NO. SEE TITLE SHEET	TS NO. 1842 B	SHEET NO.
CHECKED BY: B.L.B.	S.H.A. NO. BA 3065176		
SCALE: NO SCALE	COUNTY: BALTIMORE	T.I.M.S. NO. E546	
DATE: NOVEMBER 2002	LOG MILE: 030139O1.81		36 OF 59

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