

CALL UTILITIES PROTECTION CENTER TRAFFIC SIGNAL GENERAL NOTES

- 1) THIS WORK SHALL CONFORM TO GA. STANDARDS AND SPECIFICATIONS LATEST REVISION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS, SPECIFICALLY SUB-SECTIONS 647 & 925; THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE NATIONAL ELECTRICAL CODE.
- 2) SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM THE BOTTOM OF THE SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTER OF SIGNAL FACES. THE BOTTOM OF ADJACENT SIGNAL HEADS FOR THE SAME MOVEMENT SHALL BE AS LEVEL AS POSSIBLE.
- 3) SHIELDED CABLE WILL BE USED FOR DETECTOR RUN AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET. ONLY ONE (1) PHASE PER LEAD-IN CABLE WILL BE ALLOWED.
- 4) THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW SIGNAL POLES AND/OR IN VICINITY OF ANY UNDERGROUND WORK. MINOR SHIFTS IN NEW POLE LOCATIONS, AT THE DISCRETION OF THE ENGINEER, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS MUST BE RETAINED AS SHOWN ON THE PLANS.
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE TO THE POLES.
- 6) INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.
- 7) FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
- 8) MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK, THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE SPECIFICATION.
- 9) ALL PRESENCE LOOPS SHALL BE QUADRUPOLE.
- 10) IF USED, WIRE TIES MUST BE A MINIMUM OF 3/16" WIDE AS WELL AS ULTRA-VIOLET RESISTANT.

SLOT															
	1	2	3	4	5	6				9	10	11	12	13	14
UPPER INPUT FILE															
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD														
CHANNEL 1	CI PIN	56	39	63	47	58	41	65	49	60		80	67	68	61
	FUNCTION												Ø2 PED	Ø6 PED	FLASH
	FIELD TERM	TB2 L2	TB2 5,6	TB2 9,10	TB4 L2	TB4 5,6	TB4 9,10	TB6 L2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C
CHANNEL 2	CI PIN	56	43	76	47	58	45	78	49	62		53	69	78	82
	FUNCTION												Ø4 PED	Ø8 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C
LOWER INPUT FILE															
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD														
CHANNEL 1	CI PIN	55	48	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION														
	FIELD TERM	TB3 L2	TB3 5,6	TB3 9,10	TB5 L2	TB5 5,6	TB5 9,10	TB7 L2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12
CHANNEL 2	CI PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION														
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 10,12

MATERIALS LIST- FOR INFORMATIONAL USE ONLY	UNIT	QUANTITY
NON-NEMA CABINET CONTROLLER ASSEMBLY		
A. CONTROLLER UNIT, MODEL 2070	EA	1
C. CABINET ASSEMBLY, MODEL 332A	EA	1
E. SWITCH PACK	EA	12
F. DC ISOLATOR	EA	3
G. LOOP DETECTOR, 2-CHANNEL	EA	2
H. LOOP DETECTOR, 4-CHANNEL	EA	2
J. CONFLICT MONITOR	EA	1
LOOP/PED DETECTOR LEAD-IN WIRE		
A. 3-PAIR, 18 AWG CONDUCTOR, (SHIELDED, ULTRA-VIOLET RESISTANT) 1000 FT.	REEL	3
B. LOOP DETECTOR WIRE, (14 AWG, STRANDED), PER 1000 FT	REEL	2
C. 7-CONDUCTOR SIGNAL CABLE, 14 AWG, PER 1000 FT	REEL	2
D. 10-CONDUCTOR SIGNAL CABLE, 14 AWG, PER 1000 FT	REEL	1
ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, PLASTIC W/LED	EA	10
ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, PLASTIC W/LED	EA	2
HANGING HARDWARE FOR SPAN WIRE	EA	12
PULL BOX, TYPE 2	EA	16
PULL BOX, TYPE 3	EA	1
LOOP SAW CUT, (5/16")	FT	1300
CONDUIT, 1"	FT	50
CONDUIT, 2"	FT	1200
PEDESTRIAN HEAD, 12" TOP MOUNT BRACKET W/MOUNTING HARDWARE	EA	8
MOUNTING HARDWARE FOR DOUBLE PEDESTRIAN HEADS	EA	4
PEDESTRIAN POLE W/BASE	EA	4
PEDESTRIAN PUSH BUTTON STATIONS W/SIGNS	EA	8
MISC MATERIAL TO COMPLETE INSTALLATION	EA	1

PAY ITEMS	UNIT	QUANTITY
647-1000 TRAFFIC SIGNAL INSTALLATION	EA	1
639-4004 STRAIN POLE, TYPE IV	EA	4
687-1000 TRAFFIC SIGNAL TIMING	EA	1
682-9950 DIRECTIONAL BORE-3"-FOR SIGNALS	LF	145
636-1033 HWY SIGNS, TP 1 MAT, REFL SH TP 9	SF	30
636-1041 HWY SIGNS, TP 2 MAT, REFL SH TP 9	SF	114
682-6233 CONDUIT, NONMETL, TP 3, 2 IN	LF	145

	REVISION DATES 8-27-14	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: DISTRICT ONE DESIGN SIGNAL PLANS SIGNAL #2 CLEVELAND BYPASS-PHASE 11 WHITE
DRAWING No. 27-04		