II:18:17 AW Juristan EXAMPLE PLAN SHEETS, dgn gplotborder-v81-PD, 1b1				STATE GA	PROJECT NUMBER SHEET
		/ / / /			
LICT OF WATERIALS	<i>⊢</i> ∨	/ /\ /\ /\	$P \vdash F$		
LIST OF MATERIALS	/ /	$\sim H/V/$		ICAD CIDEET WAL	IE CLON DETAILS
LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANT	TITIES DENIIDED END INST	ALLATION	US-1 UVERF	HEAD STREET NAM	E SIGN DETAILS
MATERIALS CABINET CONTROLLER ASSEMBLIES	UNIT	QUANTITY			
A, CONTROLLER MODEL 2070LX (PREFERRED)	EA		Coring CA		The side Dr -
E. CABINET ASSEMBLY, MODEL 332	FA	1		10011 + 1	thside Dr 🗖
F. SWITCH PACK (LOAD SWITCH)	EA	12]18]	1.1
G. DC ISOLATOR	EA	3	5.4 44.3 ±6 ± 13.9 ±6.]	66.5 ± 6 ± 14.8 ± 8 ± 1
H. LOOP DETECTOR, 2-CHANNEL	EA	6	1.9" Radius, No border, White on Green; "Spring" D Georgia; "St" D Georgia;		der, White on Green; ite: "Dr" D Georgie: Standard Arrow Custom 15.0" X 10.0" ()
L. 2010 SIGNAL MONITOR, TYPE B (ETHERNET) (PREFERRED)	EA	1			
W. AUXILLIARY OUTPUT FILE	EA	1			
BATTERY BACKUP SYSTEM - EXTERNAL MOUNTED (PER GDOT SPEC)	EA	1		77	
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT)	EA			일 🛉 🌞 Note: Left 8	k right edge spacing is to be no les
A. 3 PAIR 18 ANG	REEL	3		12	
SIGNAL CABLE (14ANG)			4.6 37.3 ± 6 ± 25.5	4.6	
B 10 CONDUCTOR, PER 1000 FT	REEL	2	1.9" Radius, No border, White on Green;	-	
LOOP DETECTOR WIRE (114 ANG, STRANDED/1000 FT)	REEL	2	"North" D Georgie; "Ave" D Georgie;		
3-SECTION, 12' SIGNAL HEAD LED-, YELLOW HOUSING W/BLACK FRONT, PLASTIC	EA	8			
4-SECTION, 12' SIGNAL HEAD LED-, YELLOW HOUSING W/BLACK FRONT, PLASTIC	EA	2	770 (CABINET INPUT A	SCICNMENT
BLANK OUT SIGN, 30°X36°			<u> </u>	ADINLI INTUT A	33 I GIVIVIL IV I
I. ONE FACE WESSAGE I-SECTION, 16'X18' LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP (9' HIGH NUMBER & 12' SYMBOLS)	EA EA	8			
PEDESTRIAN PUSHBUTTON STATIONS, W/ BUTTONS AND SIGNS: 9'X15', R10-3E, (L)EFT OR (R)IGHT, COUNTDOWN	LA	0	SLOT I 2 3	4 5 6 7	8 9 10 11 12
1. 9'X15', R10-3EL, COUNTDOWN	EA	4		UPPER INPUT FIL	I F
2. 9'X15', R10-3ER, COUNTDOWN	EA	4			
BACKPLATE FOR ONE-WAY, 3 SECTION, 12' SIGNAL HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP	EA	8	TYPE DET DET DET CARD 2-CH 2-CH	DET DET DET DET	DET DET TBA TBA DC DC ISO D
BACKPLATE FOR ONE-WAY, 4 SECTION, 12' SIGNAL HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP	EA	2	CI PIN 56 39 63		49 60 80 67
HARDWARE FOR MAST ARM MOUNTING	EA	10	CHANNEL I FUNCTION LIA L2A	LIA	g 2 PED
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING. TWO-WAY BRACKET ASSEMBLY	EA	4	FIELD TERM TB2 1,2 TB2 5,6 TB2 9,10	TB4 1,2 TB4 5,6 TB4 9,10 TB6 1,2 T	TB6 5, 6 TB6 9, 10 TB8 4, 6 TE
PEDESTAL POLE & SOUARE BASE	EA	4			
PULL BOX, PB-2	EA	12			
PULL BOX, PB-3	EA	1			49 62 53 69
LOOP SAW CUT	LF	1000	CI PIN 56 43 76 CHANNEL 2 FUNCTION L28	47 58 45 78	49 62 53 69 g4 PED
COMDUIT, I*	LF	100		TB4 3,4 TB4 7.8 TB4 11,12 TB6 3,4 T	
CONDUIT, 2°	LF	500			
R560-5 SIGN W/POST	EA	2			
RIO-5A, LEFT TURN YIELD ON FLASHING YELLON SIGN	EA	2		LOWER INPUT FIL	F
MISC. MATL. TO COMPLETE INSTALLATION	LU M P	LUMP			
DAY ITCHC			TYPE DET DET DET CARD 2-CH 2-CH	DET DET DET DET	DET DET TBA TBA DC
<u>PAY ITEMS</u>			CI PIN 55 40 64	48 57 42 66	50 59 54 7/
ITEM NO. DESCRIPTION	UNIT	QUANTITY	CHANNEL I FUNCTION L5A L6A	L8A	
647-1000 TRAFFIC SIGNAL INSTALLATION NO. 4	LUMP SUM	LUMP SUM	FIELD TERM TB3 1, 2 TB3 5, 6 TB3 9, 10	185 i.2 185 5.6 185 9.10 187 i.2	TBT 5.6 TBT 9.10 TB9 4.6 T
615-1200 DIRECTIONAL BORE - 3 IN.	LF LF	500			
615-1200 DIRECTIONAL BORE - 5 IN.	LF	50			
636-1041 HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	60			
639-3004 STEEL STRAIN POLE, TP IV (W/45 FT & 55 FT MAST ARMS)	EA	1	CI PIN 55 44 77	48 57 46 79	50 61 75 73
639-3004 STEEL STRAIN POLE, TP IV (W/40 FT WAST ARW)	EA	i	CHANNEL 2 FUNCTION L68	T85 3,4 T85 7,8 T85 11,12 T87 3,4 T	TB7 7, 8 TB7 11, 12 T69 5, 6 T
639-3004 STEEL STRAIN POLE, TP IV (N/60 FT MAST ARM)	EA	i		100 3,7 100 1,0 100 11,12 101 3,4 1	109 5,6
682-6233 CONDUIT, NONWETAL, TP 3, 2 IN	LF	400			
	GEORG	ΣΤΛ		REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATI
	GLUKC	1714		11/15	FFICE: TRAFFIC OPERATIONS
	DEPARTME	NT			GENERAL NOTES
					MISCELLANEOUS
	OF				MISCELLANEUUS
	TRANSPORTA				

MORE THAN I SURFACE AND OF SIGNAL F	I9 FEET CLEARANCE FROM BOTT D A MINIMUM OF 8 FEET MEASU FACES. DED CABLE WILL BE USED FOR N	PROVIDE AT LEAST 17 FEET BUT NO OM OF SIGNAL HEADS TO TOP OF ROAD RED HORIZONATALLY BETWEEN CENTERS DETECTOR RUNS AS SHOWN ON THE PERATE LEAD-INS TO THE CONTROLLER	PRIOR TO FINAL ACCEPTANCE. 12. ALL EXISTING STOP BARS, WORDS, ARROWS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS. 13. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES ARE	
CABINET. 4. THE CONNEW TRAFFILE SIGNAL POLL CLEARANCES SIGNAL HEAL 5. THE CONCONSTRUCTIL AND BE RESS ADJUSTMENTS THE PROJECT SIGNAL EQUI THE SIGNAL 6. THE CON UTILITY TIM THE POLES L 7. INSTAL TRAFFIC ENC 8. WHEN R BY THE CONT TRAFFIC OPE 48 HOURS AL () 9. FOR ST POLE AND MM 10. MATERI	INTRACTOR SHALL LOCATE UNDE. C SIGNAL POLES PRIOR TO ORD SINOR SHIFTS (UP TO 5 FEET, S ARE ACCEPTABLE TO AVOID FROM EDGE OF PAVEWENT SHAL DS SHALL BE RETAINED AS SHO WITHACTOR SHALL MAINTAIN END SINCLUDING THE CONTRACTOR SHALL MAPONSIBLE FOR ALL TRAFFIC SI S, INCLUDING THE INTERIM PERIOD FOR TOURING THE INTERIM PERIOD PREMIT, AT NO TIME SHALL THA OPERATION TO BE INOPERABLE WITHACTOR WILL BE RESPONSIB BUSER POLES WHEN ATTACHING SI SINCESS OTHERWISE DIRECTED BE LATION IS TO BE CHECKED AN SINCESS OTHERWISE DIRECTED BE LATION IS TO BE CHECKED AN SINCESS OTHERWISE OF INCLED LATION OF THE OPPREMENT TRACTOR TO THE OPPUTACTOR SHOW ALL CERTIFICATION IS REQUIRE AL CERTIFICATION IS REQUIRE AND WORK. THE CONTRACTOR SHOW WORK. THE CONTRACTOR SHOW	REROUND UTILITIES IN VICINITY OF DERING. AT THE DICRETION OF THE MAXIMUM) IN LOCATION OF NEW UNDERGROUND UTILITIES. WINIMUM L. BE MAINTAINED. PLACEMENT OF THE WIN ON THE PLANS. ISTING TRAFFIC SIGNALS DURING NINTAIN EXISTING VEHICLE DETECTION GNAL AND/OR CONTROL SYSTEM PORT POLE LOCATION(S) REQUIRED BY DITROUGH INSTALLATION OF NEW WE CONTRACTOR CAUSE ANY PART OF LE FOR ALL NEW GUYS ON EXISTING PANN WIRE OR INTERCONNECT CABLE TO YTHE ENGINEER. D. ACCEPTED BY THE DISTRICT PTANCE. SHALL BE DELIVERED AND UNLOADED OF TRANSPORTATION OFFICE OF TRANSPORTATION OF TR	PROVIDED AS GENERAL GUIDELINES TO INSTALLER, ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES. 14. SAWCUTS AND REMOVAL OF ALL CONCRETE ASSOCIATED WITH CURB CUT RAMPS SHALL BE INCLUDED IN THE SIDEWALK PAY ITEM. 15. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE. AT NO SEPERATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAYEMENT, SIGNS, GAURDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED DUE TO CONTRACTOR'S ACTIVITIES. 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MEASURES TO ENSURE COMPLIANCE TO ALL STATE AND FEDERAL LAWS AND GUIDELINES. THE COST SHALL BE CONSIDERED INCIDENTAL AND BE INCLUDED IN THE OVERALL BID PRICE. NO ADDITIONAL PAYMENTS SHALL BE MADE TO THE CONTRACTOR FOR EROSION CONTROL. 17. ALL TRAFFIC MARKINGS, SYMBOLS OR STRIPING TO BE REMOVED AND/OR REPLACED SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM. 18. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNAL, DETECTION SYSTEMS ANDO CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBLITY OF THE CONTRACTOR TO INCLUDE THE COST, AS PART OF THEIR BID PRICE, FOR THAT THAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNAL BUTTON THE TRAFFIC SIGNAL HIS THAFFIC SIGNAL OF THE RESPONSIBLE FOR THA MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION. HE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORALLY COMPLETED A TEST PERIOD, 30 DAYS, OF UNINTERRUPTED OPERATION. THE CONTRACTOR WILL COMPLETE A TRANSFER OF	EXAMPLE
	UTILITY OWNER	SERVICE		
			GEORGIA	REVISION DATES DEPARTMENT OF GEORGIA

TRAFFIC SIGNAL GENERAL NOTES

II. THE INSTALLATIONS SHALL BE CAPABLE OF MONITORING OVER IP NETWORKS FROM EXISTING CENTRAL COMPUTERS. CENTRAL COMPUTERS ARE LOCATED AT 935 EAST CONFEDERATE AVENUE BLDG. 24, ATLANTA, GEORIGA 30316. NETWORK ABILITIES DEMONSTRATION IS REQUIRED AT CENTRAL SITES PRIOR TO FINAL ACCEPTANCE.

EXAMPLE PLAN SHEETS. dgn

STATE GA PROJECT NUMBER

SHEET NO. TOTAL SHEETS

11/30/2015 Juhalch

apiotborder-v8i-P0, tbl

I. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.

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		EXISTING SIGNAL	PROPOSED SIGNAL		
	EXAMPLE	CONTROLLER CABINET STRAIN POLE TIMBER POLE DOWN GUY MAST ARN STREET LIGHT 3 SECTION HEAD 4 SECTION HEAD W/BACKPLATE 4/5 SECTION (CLUSTER/T-SHAPE) HEAD OVERHEAD SIGN PEDESTAL POLE PED SIGNAL HEAD CURB CUT RAMP PULLBOX, (TYPE TO BE CALLED OUT) 6X6 PULSE LOOP 6X40 PRESENCE LOOP (DIPOLE) 6X40 PRESENCE LOOP (QUADRUPOLE) CONDUIT EXISTRATION STREET LIGHT A/5 SECTION (CLUSTER/T-SHAPE) HEAD OVERHEAD SIGN PEDESTAL POLE PED SIGNAL HEAD CURB CUT RAMP PULLBOX, (TYPE TO BE CALLED OUT) 6X6 PULSE LOOP CONDUIT EXISTRATION RAILROAD CONTROLLER T SIGN POST	CONTROLLER CABINET STRAIN POLE TIMBER POLE DOWN GUY MAST ARM STREET LIGHT 3 SECTION HEAD 4 SECTION HEAD 4/5 SECTION (CLUSTER/T-SHAPE) HEAD OVERHEAD SIGN PEDESTAL POLE PED SIGNAL HEAD UV CURB CUT RAMP - (SEE ADA DETAIL) PULLBOX,(TYPE TO BE CALLED OUT) 6x6 PULSE LOOP 6x40 PRESENCE LOOP (DIPOLE) 6x40 PRESENCE LOOP (QUADRUPOLE) CONDUIT,(TYPE TO BE CALLED OUT) RAILROAD CONTROLLER		
	PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTRUCTION & MAINTANENCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	BEGIN LIMIT OF ACCESSBLA END LIMIT OF ACCESSBLA LIMIT OF ACCESS ——————————————————————————————————	RADAR DETECTION DEVICE MAGNETOMETER DETECTION DEVICE VIDEO DETECTION DEVICE VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)		
27 GPUN		GEORGIA DEPARTMENT OF TRANSPORTATION	REVISION DATES DEPARTMENT OF TRANSPORTATION OFFICE: TRAFFIC OPERATIONS SIGNAL PLANS SIGNAL LEGEND DRAWING NO. 27-001		