CITY OF LEESBURG DEPARTMENT OF PUBLIC WORKS

CONTRACT PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1 T-2 T-3 T-4 T-5 T-6 T-7	KEY SHEET TABULATION OF QUANTITIES GENERAL NOTES SIGNALIZATION PLAN SHEETS MAST ARM TABULATION MAST ARM DETAILS TABLE OF VARIABLES FOR MAST ARM DRILLED SHAFT UNION METAL MAST ARM STRUCTURES

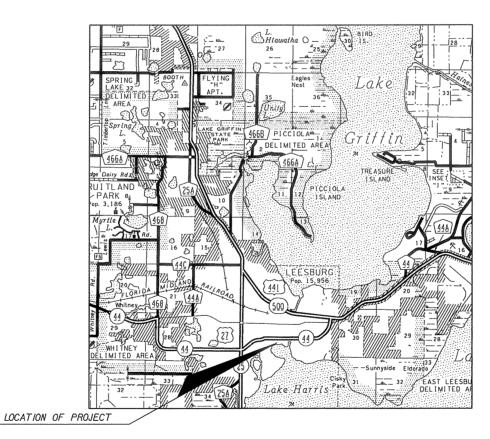
GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2004, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2004, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFCATIONS: 1-1-06

For Design Standards Modifications click on "Design Standards" at the following web site: http://www.dot.state.fl.us/rddesign/

LEESBURG
MAIN STREET AT CANAL STREET

SIGNALIZATION PLANS



CHIPLEY

TALLAHASSEE

DELAND TO

ORLAND TO

TAMPA

DELAND TO

TAMPA

TAMPA

DELAND TO

TAMPA

TAMP

SIGNALIZATION SHOP DRAWINGS TO BE SUBMITTED TO:

MICHAEL L. CORNEJO, P.E. METRIC ENGINEERING INC. 2269 LEE ROAD — SUITE 200 WINTER PARK, FLORIDA 32789

PLANS PREPARED BY:



MICHAEL L. CORNEJO, PE# 47734
METRIC ENGINEERING, INC.
2269 LEE ROAD- SUITE 200
WINTER PARK, FLORIDA 32789
TEL. (407) 644-1898
FAX. (407) 644-2376
FLORIDA CERT. NO. EB-0002294

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS

DATE BY DESCRIPTION

MICKES T CRINGE
SIGNALIZATION PLANS
ENGINEER OF RECORD: MICHAEL L. CORNEJO, P.E.

P.E. NO. 47734

SHEET NO.

FISCAL

YEAR

06

PROJECT MANAGER: LORA HOLLINGSWORTH, P.E.

TABULATION OF QUANTITIES

PAY DESCRIPTION UNIT T-4									SHEET NUMBERS														TO: TH SHE	HS	G/ To	REF. SHEET	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
102-99* LAKE	VARIABLE MESSAGE SIGN (TEMPORARY)	DA P1	28																-		1		28 I		28	3 1	-
110-4 *	CONCRETE PAVEMENT, REMOVAL OF EXISTING	SY	40																				40		40)	
522-1	CONCRETE SIDEWALK, 4"	SY	40															-					40 180		40 180 396 147 92)	_
620-1-1 630-1-12	GROUNDING ELECTRODES CONDUIT (F&I) (UNDERGROUND)	LF LF	180 396															-	-				780 396		396	<u>' </u>	-
630-1-13	CONDUIT (F&I) (UNDER PAVEMENT)	LF	147															1					147		147		1
630-1-14	CONDUIT (F&I) (JACKED)	LF	92																				92		92		
632-7 -1 635-1 -1 I	CABLE (SIGNAL) PULL AND JUNCTION BOXES (PULL BOX)	PI EA	14																-				14		14		-
635-1-14	PULL AND JUNCTION BOXES (F.O. PULL BOX)	EA	14																								-
639-1-22	ELECTRICAL POWER SERVICE (UNDERGROUND)	AS	1																				1				
639-2-1 648-1B	ELECTRICAL SERVICE WIRE	LF LF	66																		-		66 36		66 36		
549-740*	48" CONCRETE FOUNDATION FOR MAST ARMS MAST ARM ASSEMBLY (F&I) (SPECIAL)	EA	36															-	-	1			26		36	}-	
550-1-131	TRAFFIC SIGNAL (F&I) (3 SEC - I WAY) (STD)	AS	8		-																		8		ε		
653- <i>181</i>	PED SIGNAL (F&I) (I-WAY) (INT'L) (LED)	AS	2																				2		2		
553-182 559-108	PED SIGNAL (F&I) (2-WAY) (INT'L) (LED) SIGNAL HEAD AUXILIARIES (STEEL PEDESTAL)	AS EA	3																-				3 3		3		-
559-109	SIGNAL HEAD AUXILIARIES (CONCRETE PEDESTAL)	EA	1																-				·;			;- 	1
560-1-109	LOOP DET INDUCTIVE (F&I) (RM) (2 CH) (TYPE 9)	EA	2																				2		2		
560-1-110	LOOP DET INDUCTIVE (F&I) (RM) (2 CH) (TYPE IO)	EA	1																				1.				-
660-2-106 665-11	LOOP ASSEMBLY (F&I) (TYPE F) PED DETECTOR (F&I) (POLE MOUNTED DETECTOR STA)	AS EA	6																-				6 8		6		-
670-5-111	TRAFFIC CONTROLLER ASSEMBLY (F & I NEMA)	AS	1				-											1	1				<i>i</i>				
599-1-1	SIGN, INTERNALLY ILLUMINATED STREET NAME SIGN	EA	4																				4		4		
700-46-11* 999-1*	REMOVE EXISTING SINGLE POST SIGN GENERATOR SWITCH BOX	AS EA	4						-								~=		<u> </u>				4		4	!	-
999-2*	GENERATOR PAD 3' X 3' X 4'	EA	1 ;									-							1				·····;				-
253	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE)	LF	66																				66		66		
				-															ļ		-					-	┼
		1																	-							1	_
		1	-															<u> </u>	-								·
		 																1	-								·
			ļ															ļ	-								.
		*	 																-								-
																			-							1	
			 															-	-								
			<u> </u>																-								╂
		ļ	_	<u> </u>																							
			-								-																
									-										1								·
		-	-																								-
			1		-													-									-
																		<u> </u>									
			 															ļ	-							-	
		 	1			-							-													1	
													Administra														
		-	-																								-
																		-	 								-

	* DENOTES ITEM NOT SPECIFICALLY COVERED BY CONT	TRACT.				n	1ch		16	line	9	5/11	106														
DATE BY	R E V I S I O N S DESCRIPTION DATE BY		DESCRI	IPT ION				MICHA	NEL L. CORI	NEJO, P.E.	# 47734				OF LEES			2003									SHEET
51.11 DI	DESCRIPTION DATE OF		JL30111	. 11011		一 (ME	TRIC ENGI 2269 LE	INEERING, EE ROAD	INC.		DEPA	RTMEN	T OF PU	TBLIC W	ORKS		1	ABL	ULA	TIO	N OF	OUAN	VIIII	ES	NO.
						1	-	WIN	TER PARK.	FLORIDA .	32789		ROAD			С	OUNTY									-	vennosticamos decisos Catedona
							ENGINEERS		TEL. (407)	044-1898	Γ								1	Λ	ΛΑΙΝ	/ST	@ CA	NAI.	\ /	l	T-2
1 1	1 1 1						PLANNERS		PAX. 1407) 644-2376	1		MAIN S	7	•		AKE		1	17	11 111 1	\mathcal{D}_{I} .					

1:48:19 PM

5/11/2006

GENERAL

- I. A PRECONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE CITY OF LEESBURG AT (352) 728-9876 AND LAKE COUNTY TRAFFIC OPERATIONS AT (352) 742-1766, 14 DAYS PRIOR TO BEGINNING CONSTRUCTION.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY OF LEESBURG AT (352) 728-9876 AND LAKE COUNTY TRAFFIC OPERATIONS AT (352) 742-1766, 48 HOURS IN ADVANCE OF ALL PHASES OF CONSTRUCTION INCLUDING, INSTALLING SIGNAL POLES, GROUND RODS, UNDERGROUND CONDUIT, SIGNAL HEAD ASSEMBLIES, AND LOOP INSTALLATION.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING THE ELECTRICAL PERMIT, AND WILL COORDINATE THE APPLICATION FOR POWER WITH THE CITY OF LEESBURG.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE POWER COMPANY PROVIDING THE ELECTRICAL POWER. TO DETERMINE IF ANY ADDITIONAL FEES ARE REQUIRED TO CONNECT POWER AND FOR CONNECTION OF POWER. IF REQUIRED, THE FEE SHALL BE INCLUDED AS PART OF BID ITEM PAYMENT FOR ELECTRICAL SERVICE ASSEMBLY.
- 5. TRAFFIC CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS INDEX 600 SERIES AS APPLICABLE. EXISTING SPEED LIMITS SHALL BE MAINTAINED DURING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL STAKE ALL MAST ARM LOCATIONS AND HAVE THEM APPROVED BY LAKE COUNTY TRAFFIC OPERATIONS.
- 7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EXACT LOCATIONS OF ALL UTILITIES PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL HAND DIG THE FIRST 4' AT EACH LOCATION TO VERIFY THERE ARE NO UTILITY CONFLICTS.
- 8. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF POLE SETTING OPERATIONS WHERE A CONFLICT WITH OVERHEAD ELECTRICAL CONDUCTORS IS EXPECTED.
- 9. ALL MATERIALS AND HARDWARE SHALL BE F.D.O.T. APPROVED, AND PRE-APPROVED BY LAKE COUNTY TRAFFIC OPERATIONS.
- 10. THE CONTRACTOR SHALL FURNISH THE CITY OF LEESBURG WITH EMERGENCY CONTACTS AND PHONE NUMBERS AND HAVE AN IMSA LEVEL II CERTIFIED SIGNAL TECHNICIAN ON CALL WITHIN A TWO HOUR MINIMUM RESPONSE TIME.
- II. ANY STRIPING/PAVEMENT MARKINGS OR LANDSCAPING DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
- 12. NO OFF-DUTY LAW ENFORCEMENT OFFICER SHOULD BE NECESSARY, HOWEVER THE CITY OF LEESBURG CAN PROVIDE
- 13. THE CONTRACTOR SHALL FURNISH THE CITY OF LEESBURG, THREE COMPLETE SETS OF AS-BUILT PLANS AT FINAL INSPECTION.
- 14. VARIABLE MESSAGE SIGNS ARE TO BE IN PLACE 200' BEFORE THE STOP BAR WITH THE APPROPRIATE MESSAGE "CAUTION AHEAD", "NEW TRAFFIC SIGNAL" FOR TWO WEEKS AFTER THE SIGNAL INSTALLATION.
- 15. SPEED LIMIT ON MAIN ST. IS 20 MPH.
- 16. STOP SIGN ASSEMBLIES TO BE REMOVED AT THE SAME TIME THE SIGNAL IS SWITCHED INTO FULL OPERATION.
- 17. THERE ARE NO TIME RESTRICTIONS ON LANE CLOSURES ON MAIN ST. BUT ONLY ONE LANE MAY BE CLOSED DURING ACTIVE WORK PERIODS. ALL LANE CLOSURES SHALL BE APPROVED BY THE CITY ENGINEER. TRAFFIC SIGNAL SHALL FLASH FOR NO LESS THAN 7 DAYS AND NO MORE THAN 14 DAYS PRIOR TO TURN ON INSPECTION.
- 18. THE CONTRACTOR SHALL COORDINATE THE FINAL ACCEPTANCE INSPECTION IN ACCORDANCE WITH FOOT SPECIFICATION 611-2.2 WITH THE CITY ENGINEER AT LEAST TEN DAYS IN ADVANCE. LAKE COUNTY (STEVE BOLLINGER) (352) 742-1766 SHOULD ALSO BE CONTACTED TEN DAYS BEFORE THE INSPECTION IS TO BE PERFORMED SO HE MAY BE PRESENT.
- 19. THE CONTRACTOR IS REQUIRED TO INSPECT THE INSTALLATION OF THE TRAFFIC SIGNALS IN ACCORDANCE WITH FDOT SPECIFICATIONS 105.5.10.

CONTROLLER

- I. A GENERATOR SWITCH BOX ASSEMBLY (RELIANCE CONTROLS CSR302 WITH POWER INDICATOR/LIGHT OR EQUIVALENT) SHALL BE FURNISHED AND INSTALLED SUCH THAT A GENERATOR MAY BE HOOKED UP DIRECTLY TO THE CABINET WITHOUT ADDITIONAL HARDWARE. THE COST OF FURNISHING AND INSTALLING SHALL BE INCIDENTAL TO THE CONTROLLER CABINET PAY ITEM
- 2. THE MOUNTING OF ELECTRICAL SERVICE EQUIPMENT TO THE TRAFFIC SIGNAL CABINET SHALL BE PROHIBITED.
- 3. THE CABINET DOOR SHALL OPEN AWAY FROM THE INTERSECTION.
- 4. A MANUAL PUSH BUTTON CORD SHALL BE FURNISHED IN ALL CONTROLLER CABINETS.
- 5. A PHOTOCELL FOR THE INTERNALLY ILLUMINATED SIGNS SHALL BE INSTALLED NEAR THE ELECTRIC SERVICE WITHIN REACH OF A LIFT TRUCK. CARE SHALL BE GIVEN TO INSTALL WHERE STREET LIGHTING DOES NOT AFFECT OPERATION.
- 6. GROUNDING RESISTANCE FOR THE CONTROLLER ASSEMBLY SHALL MEASURE 25 OHMS OR LESS.

REVISIONS DATE BY DESCRIPTION DESCRIPTION DATE

B ENGINEERS PI ANNERS

MICHAEL L. CORNEJO, PE# 47734 METRIC ENGINEERING, INC. 2269 LEE ROAD- SUITE 200 WINTER PARK, FLORIDA 32789 TEL. (407) 644-1898 FAX. (407) 644-2376 FLORIDA CERT. NO. EB-0002294

CITY OF LEESBURG DEPARTMENT OF PUBLIC WORKS ROAD COUNTY MAIN ST. LAKE

MAIN ST. @ CANAL ST.

I. SIX FEET OF ADDITIONAL SIGNAL CABLE SLACK SHALL BE WOUND INSIDE THE UPRIGHT AND SUPPORTED BY THE I HOOK

SUCH THAT THE TERMINAL BLOCK CAN BE REMOVED FROM THE UPRIGHT TO ALLOW FOR TROUBLE SHOOTING. 2. THE CABLE GRIP SHALL BE OF SUFFICIENT SIZE TO NOT COMPROMISE THE INSULATION ON THE SIGNAL CABLE.

SIGNAL CABLE, LOOPS, CONDUIT, & PULL BOXES

- I. IT SHALL BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.
- 2. LOOP HOME RUNS SHALL NOT BE CUT INTO THE RADIUS.
- 3. A FIBER PULL BOX AND CONDUIT INTO THE CONTROLLER ASSEMBLY SHALL BE INSTALLED FOR FUTURE USE.
- 4. PULL BOXES SHALL BE LOCATED AWAY FROM EDGE OF PAVEMENT, OR BEHIND A CURB WHEN POSSIBLE, ATTEMPTING TO KEEP FROM THE BOTTOM OF A DITCH OR RETENTION AREA. AND WHERE LARGE VEHICLES PARK.
- 5. PULL BOX COVERS SHALL BE F.D.O.T. APPROVED NON-METALLIC WITH RECESSED COVER LOGO "TRAFFIC SIGNAL", "ELECTRICAL", OR "FIBER OPTICS" AS APPROPRIATE.
- 6. DELAY DETECTORS SHALL BE SET TO 5 SECONDS.
- 7. SIGNAL CABLE AND LOOP WIRES TO BE IN SEPARATE PULL BOXES.
- 8. LOOPS ARE NOT TO BE CUT INTO BRICK OR STAMPED CONCRETE.

SIGNAL HEADS

MAST ARMS

- I, THE USE OF "JONES" PLUGS SHALL BE PROHIBITED.
- 2. VEHICLE SIGNAL HEADS SHALL BE BLACK, CAST ALUMINUM, WITH TUNNEL VISORS, AND LED'S FOR ALL INDICATIONS.
- 3. PEDESTRIAN SIGNAL ASSEMBLIES SHALL BE CAST ALUMINUM WITH FILLED HAND/PERSON LED'S.

PAY ITEM NOTES

- I. PAY ITEM NUMBER 522-I SHALL INCLUDE REMOVAL AND RESTORATION (EQUAL TO OR BETTER THAN THE PRE EXISTING CONDITION) OF CONCRETE SIDEWALK NECESSARY TO INSTALL PULL BOXES
- 2. PAY ITEM NUMBER 632-7-I AS APPLICABLE INCLUDES THE ADDITIONAL SLACK CABLE STORED IN THE UPRIGHT PER THE CABLE STRAIN RELIEF DETAIL.
- 3. PAY ITEM NUMBER 639-I-22 TO INCLUDE ALL FEES BY THE POWER COMPANY,
- 4. PAY ITEM NUMBER 649-740 TO BE UNION METAL MAST ARM MODEL NO. 50310-B29 WITH MM 70 BASE OR APPROVED EQUAL.
- 5. PAY ITEM NUMBER 659-108 TO INCLUDE A BREAK AWAY BASE AND SLIP FOOTER.
- 6. PAY ITEM NUMBER 665-II INCLUDES FTP-25-04 AND RIO-3F INTERNATIONAL SIGNS.
- 7. PAY ITEM NUMBER 699-I-I SHALL INCLUDE A SINGLE MASTER PHOTOCELL MOUNTED AND RUN ON A SEPARATE BREAKER FROM THE TRAFFIC SIGNAL. INTERNALLY ILLUMINATED SIGNS TO BE DOUBLE SIDED.

UTILITY CONTACTS

CITY OF LEESBURG - ELECTRIC

CITY OF LEESBURG - GAS

CITY OF LEESBURG - WATER

COMPANY

SPRINT

COMCAST CABLE

CONTACT PHONE NUMBER

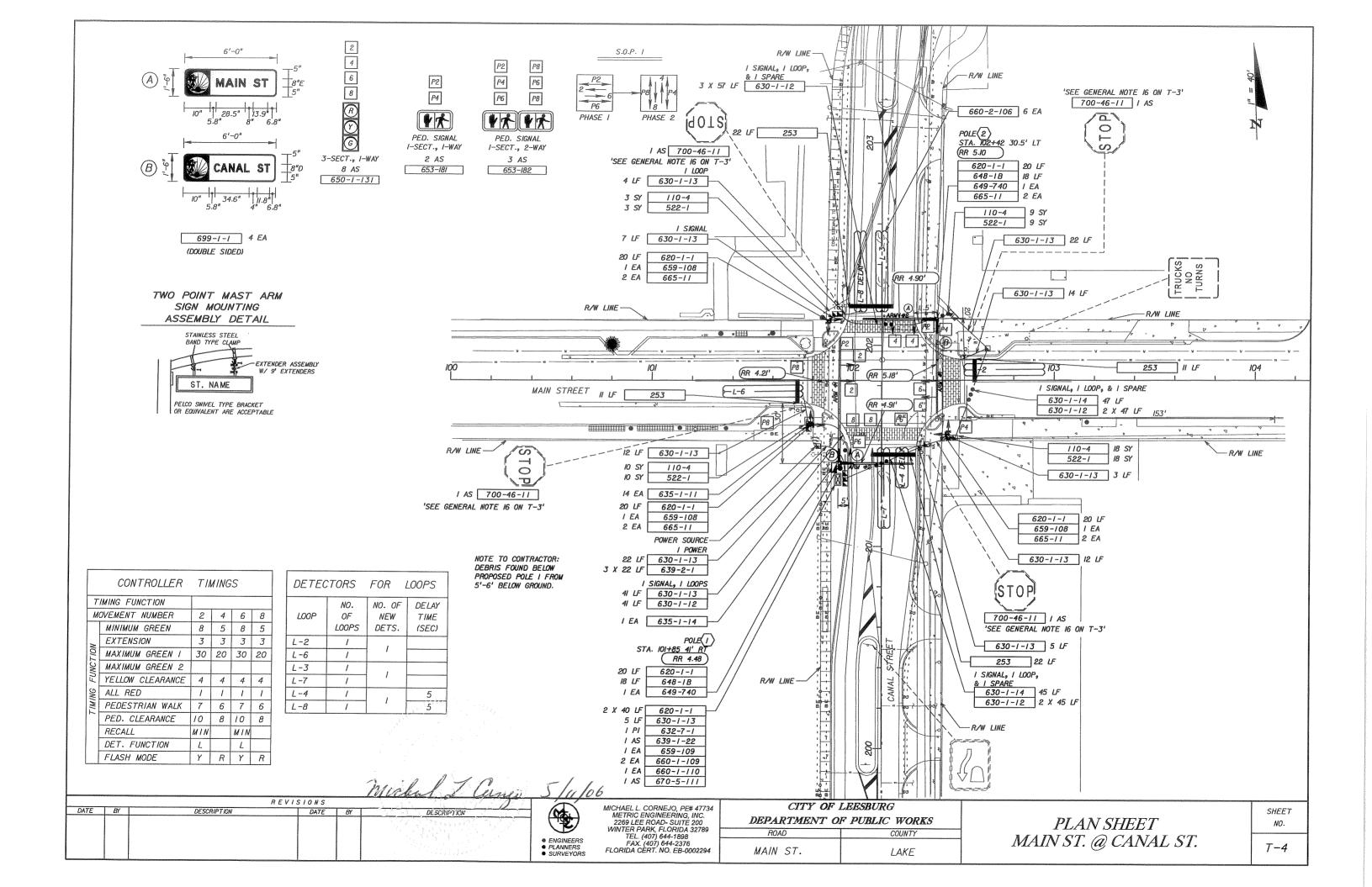
BOB BRUCK 352-728-9819 KIM OUGH 352-728-9840 x 8584 MIKE BOLLES BILL GRAHAM

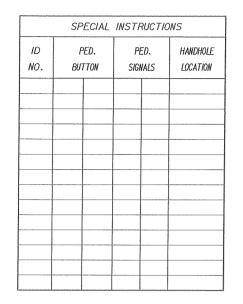
352-728-9827 352-787-9601 x 159 CRAIG HAGER 352-368-8763

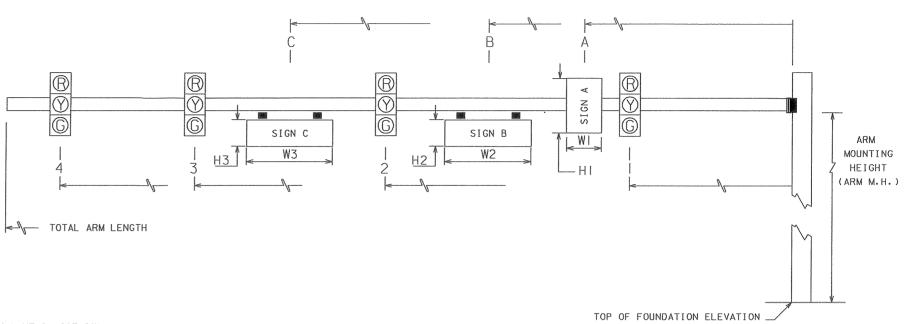
GENERAL NOTES

SHEET NO.

T-3







- * DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY
- + DENOTES NUMBER OF POTENTIAL SIGNAL HEADS IN FUTURE

* MAST ARM COLOR SHALL BE UNION METAL BLACK

								SIGNAL DATA													SIGN DATA																							
ID	SHEET	LOCATI		TOP OF FOUNDATION	RDWY ARM NO.	CROW ROD	SIGI	NAL B	BACK	PED. SIGNAL Y/N			DIST	ANCE	FROM	POLE	IN I	EET										TOTAL ARM ∠ BETWEEN ARM U.H. DUAL ARMS			N DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN - BOTH IN FEET											PAINT		
NO.	NO.	BY ST	Ά.	ROD READING	NO.	READI	ING V/	"H "	Y/N	Y/N	/	*	2	#	3	*	4	*	5		*	6	*	7	#	8	*	LENGTH	и.н.	90/270	A	HI	W/	В	H2	И	W2	С	Н3	W3	3			COLOR
1	T-4	101+85 4	I' RT	4.48'	1	4.2		/	Ν	N	40	3	48	3									\prod					60.0	20	270	27.0	1.50	6.00											BLACK
					2	4.9		/	N	Ν	14	3	24	3														36.0	20		11.0	1.50	5.50											******
2	T-4	102+42 30	.5' LT	5.10'	1	5.18		/	N	Y	30	3	39	3							_				11			46.0	20	270	17.0	1.50	6.00						Ĺ					BLACK
					2	4.90	0' V	/	N	Υ	//	3	22	3									11	~	$\perp \perp$			36.0	20		8.5	1.50	5.50						i			 		·
						-		_				_		$\perp \downarrow$				_					$\bot \bot$		+								ļ									 		
				4 40		+		,				44				+				_	_		++		++					070												 		
	T-4	101+85 4	l' RT	4.48'	1	4.2			N	N	40	3	48	3		+			ļ				++		++		-	60.0	20	270		1.50	6.00	_		-								BLACK
	— T	100 / 40 70		r 101	2	4.9			N	N	14	3	+ 24	5				-	-		-		++		+		-	36.0	20	070	11.0	1.50	5.50			-						 		DI 10%
2	T-4	102+42 30	.5 LI	5.10'	1 1	5.18 4.90			N	$\frac{\gamma}{\gamma}$	30	3	39 + 22			+		+	<u> </u>				++		++			60.0	20	270	17.0	1.50	6.00 5.50			+-				+		 		BLACK
					2	4.90	2' V	+	N			3	+ 22	5		+		-	-		-		++		+			46.0	20		8.5	1.50	5.50		_	-				-	_			
							_		-			+		++		+		-			+		++		+		-						-			-				+		 		
						+-	-	+	-			+		++		+		+	-		+		+		+		+							-		+	-+			+		 -		
						1		+	-			+		++		+		-			+		+	-	+		+							-		+-	\rightarrow			+	-		_	
						1		\dashv	-			$\dashv \dashv$		++		+		\vdash			+		f		11		$\dashv \dashv$							-		-	-			+	-		_	
								\top				+		+		\top		_			+		TT		11																			
												\Box		\top		\top					\top				\top											1				1				
												\Box		$\top \top$		11							\Box													1								
																					1										1													
20000																																												
																							\coprod		$\perp \perp$									_										
						ļ						$\perp \perp$				$\perp \perp$									$\bot\bot$																			
						ļ		_	_			$\perp \perp$		_ _		44		_			_				44		$\perp \mid$															 		
									_			+				11		_			-		1		++		\perp																	

REVISIONS DATE BY DESCRIPTION DESCRIPTION DATE BY

ENGINEERSPLANNERSSURVEYORS

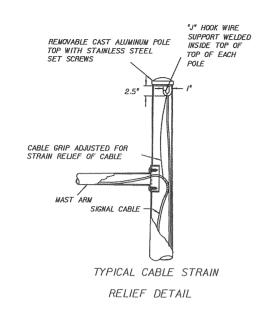
MICHAEL L. CORNÉJO, PE# 47734
METRIC ENGINEERING, INC.
2269 LEE ROAD- SUITE 200
WINTER PARK, FLORIDA 32789
TEL. (407) 644-1898
FAX. (407) 644-2376
FLORIDA CERT. NO. EB-0002294

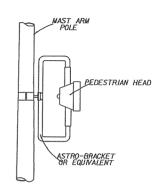
CITY OF LEESBURG DEPARTMENT OF PUBLIC WORKS COUNTY ROAD MAIN ST. LAKE

MAST ARM TABULATION MAIN ST. @ CANAL ST.

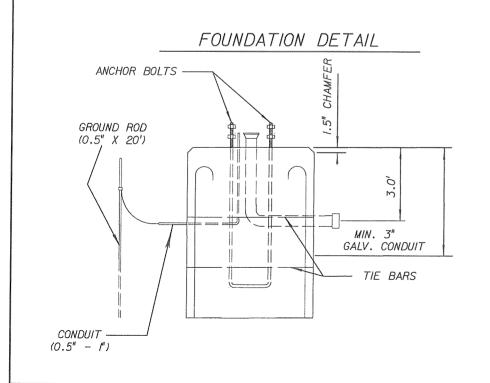
SHEET NO.

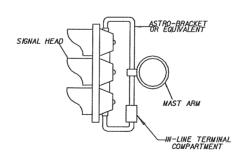
T - 5





PEDESTRIAN HEAD BRACKET
ATTACHMENT DETAIL





SIGNAL HEAD BRACKET

ATTACHMENT DETAIL

TWO POINT MAST ARM SIGN	
MOUNTING ASSEMBLY DETAIL	

	The state of the s	deministration of the second											
ı	REVISIONS												
ĺ	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION							
ALCOHOLD .				1									
-				1			-						
							1						
- 1													
		1	1	£ .		•	1						

e ENGINEERS
PLANNERS
SURVEYORS

MICHAEL L. CORNEJO, PE# 47734
METRIC ENGINEERING, INC.
2269 LEE ROAD- SUITE 200
WINTER PARK, FLORIDA 32789
TEL (407) 644-1898
FAX. (407) 644-2376
FLORIDA CERT. NO. EB-0002294

CITY OF LEESBURG DEPARTMENT OF PUBLIC WORKS											
ROAD COUNTY											
MAIN ST.	LAKE										

MAST ARM DETAIL SHEET MAIN ST. @ CANAL ST.

STAINLESS STEEL BAND TYPE CLAMP

MAST ARM

EXTENDER ASSEMBLY W/12 IN. EXTENDERS

STREET NAME

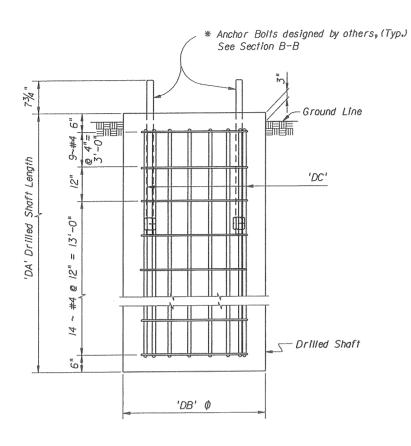
OVERHEAD STREET SIGN (INTERNALLY LIT)

SHEET NO.

— MAST ARM SIGN MOUNTING ASSEMBLY

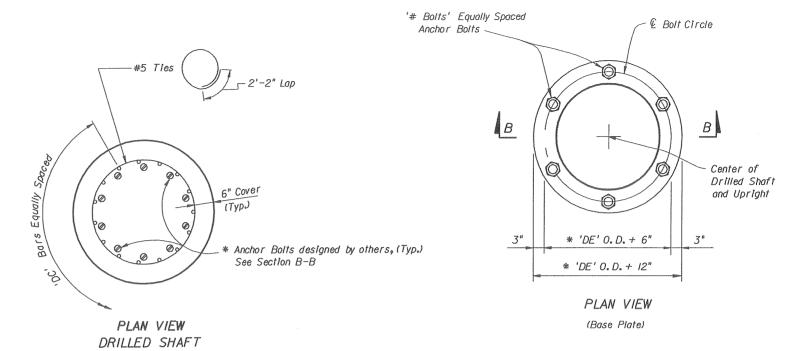
T-6

SHEET NO. T -7



ELEVATION DRILLED SHAFT

TABL	E OF SIGNA	L STRU	ICTURE	VARI	ABLES		
					AND REINFORC	EMENT	
STRUCTURE NUMBER	STATION	#Bolts	DA	DB	DC	DD	DE
HOMBEN			ft	ft	# / size	in	in
-	101+85	6	14	4	22 * 10	30	16
2	102+42	6	14	4	22 * 10	30	15

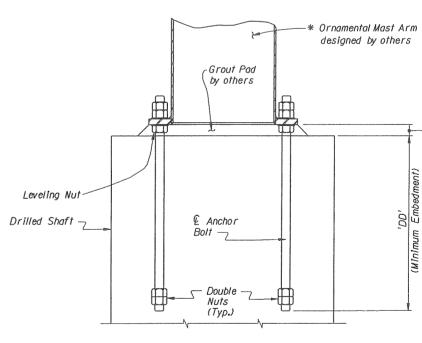


NOTES:

- I. Design Wind Speed = 90 mph
- 2. Contractor shall coordinate anchor bolt requirements with fabricator.
- 3. Contractor shall identify Structure Numbers and submit detailed shop drawings.

FOUNDATION NOTES:

- I. Assumptions and Values used in designaSoil Type Sand
- Soil Layer Thickness = 20 ft.
- Soil Friction Angle = 26 degrees
- Soil Weight = 50 pcf
- Design Water Table is within 3 ft. below ground elevation.



SECTION B-B

* Match with Manufacturers plans

		RE	VISIO	NS			NAMES P.C.C	DATES	ENGINEER OF RECORD:	CITY OF	LEESBURG	SHEET TITLE:	TABLES OF VARIABLES FOR MAST ARM
DATE	BY	DESCRIPTION	DATE	8Y	DESCRIPTION	DRAWN BY CHECKED BY	D.J.R.	05-06 05-06	METRIC ENGINEERING, INC. Metric Plaza 13940 S.W. 136 Street	DEPARTMENT (OF PUBLIC WORKS		DRILLED SHAFT
					·	DESIGNED BY CHECKED BY	R.C.G. D.J.R.	05-06 05-06	13940 S.W. 136 Street Sulte 200 Maml, Florida 33186 COA # 00002294	MAIN ST.	LAKE	PROJECT NAME.	MAIN STREET @ CANAL STREET
					·	APPROVED BY	Douglas J	. Ruggiano	Douglas J. Ruggiano, P.E. 51497	MAIN 31.	LANL		min officer a officer

