February 3, 2010

ADDENDUM NUMBER1

TO: All Bid Package Holders

PROJECT NAME:	**Milling and Resurfacing along SR 580 (Main Street) from Crosley Drive - Pinehurst Road to Overcash Drive**
FINANCIAL PROJECT NUMBER:	**41684715201**
DISTRICT CONTRACT NO.:	**E-7F84**
COUNTIES:	**District Wide**

BIDS TO BE RECEIVED: Wednesday February 10, 2010 @ 2:30 p.m.

The following information constitutes Addendum Number 1 to the above referenced project:

1. Revisions to plans sheets T-5 and T-8. See attached electronic file

2. Amendment file for Bid Express Bidding located on Website located at following link: http://www.dot.state.fl.us/contractsadministrationdistrict7/Lettings/2010/Letting2.shtm

FAILURE TO ACKNOWLEDGE RECEIPT AND ACCEPTANCE OF THIS ADDENDUM WILL RESULT IN DECLARING YOUR BID AS NON-RESPONSIVE.

Approved By:

for Pat Morgan

John D. Ellis
District Contracts Administrator

District Contracts Office M.S. 7-830
Florida Department of Transportation
11201 N. McKinley Drive
Tampa, Florida 33612-6403

DATE: February 3, 2010

TO: All Contractors
FROM: John D. Ellis

Please acknowledge receipt of Addendum Number _1_ for Project E-7F84.
Please sign and fax back to 813-975-6191.

_____
SIGNATURE

_____
COMPANY NAME

_____
DATE OF RECEIPT ACKNOWLEDGEMENT

CONSTRUCTION CONTRACT NO. E7F84

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 416847-1-52-01

PINELLAS COUNTY (15070)

STATE ROAD NO. 580

PINEHURST ROAD TO EAST OVERCASH DRIVE

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2 - 3	SUMMARY OF PAY ITEMS
4	TYPICAL SECTIONS
5	GENERAL NOTES
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8	SUMMARY OF DRAINAGE STRUCTURES
9	PROJECT LAYOUT
10	REFERENCE POINTS
11 - 18	ROADWAY PLAN
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21	DRAINAGE STRUCTURES
22 - 42	CROSS SECTIONS
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48 - 57	UTILITY ADJUSTMENTS

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2008,
AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2010,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS DATED 1/1/10

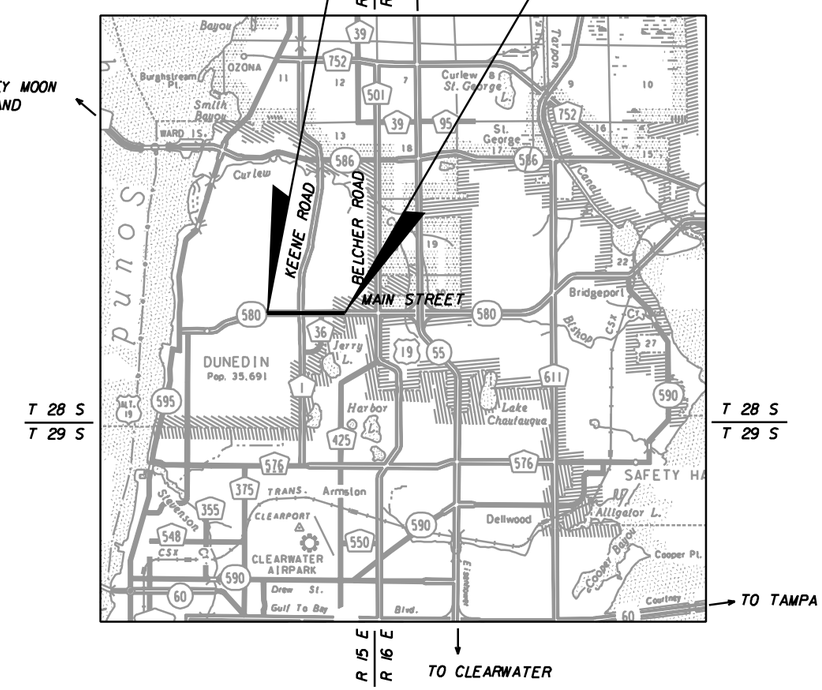
FOR DESIGN STANDARDS MODIFICATIONS CLICK ON "DESIGN STANDARDS" AT THE FOLLOWING WEB SITE:
HTTP://WWW.DOT.STATE.FL.US/RDDESIGN/

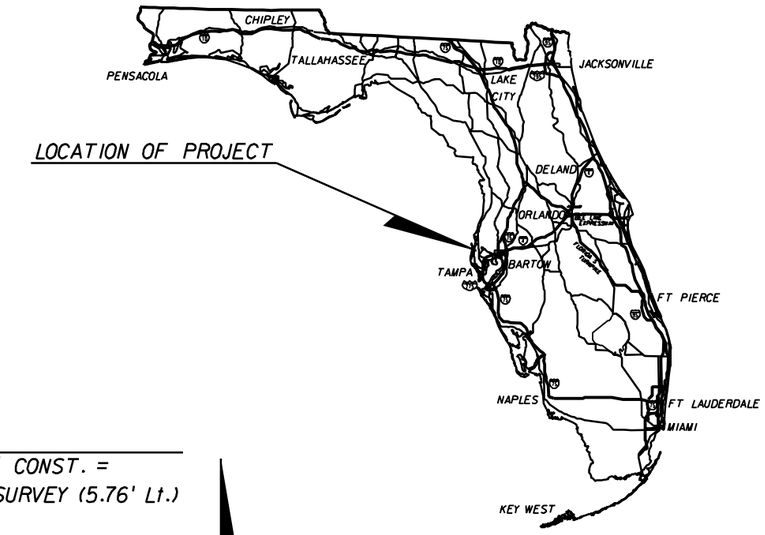
REVISIONS

⚠ 2/1/10 REVISED SHEETS 1, 2, 3, T-2, T-5, T-7, T-8

BEGIN PROJECT
STA. 1226+75.00 ℄ CONST. =
STA. 160+75.35 ⅊ SURVEY (22.35' Rt.)
M.P. 1.262

END PROJECT
STA. 1279+15.00 ℄ CONST. =
STA. 213+15.01 ⅊ SURVEY (5.76' Lt.)
M.P. 2.254





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0 1 2
Miles

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

JOHN S. METROKA, P.E.
500 NORTH WESTSHORE BOULEVARD, SUITE 500
TAMPA, FL 33609
(813) 282-9886

PLANS PREPARED BY:

ECDriver & ASSOCIATES

500 NORTH WESTSHORE BOULEVARD, SUITE 500
TAMPA, FL 33609
(813) 282-9886
CONTRACT NUMBER C-8P78
VENDOR NUMBER 59-2375705
CERTIFICATE OF AUTHORIZATION EB0003838

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

THIS PROJECT TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID: 411327-1-52-01

PROJECT LENGTH IS BASED ON ⅊ OF SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	5239.66	0.992
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	5239.66	0.992
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	5239.66	0.992

FDOT PROJECT MANAGER: STEPHANIE PIERCE

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD: JOHN S. METROKA

P.E. NO.: 45317

FISCAL YEAR	SHEET NO.
10	1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

0001 SUMMARY OF ROADWAY — PAY ITEMS

S P C	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	411327152O1	416847152O1	QUANTITY TOTAL
		10101- 1-	MOBILIZATION (411327152O1)	LS	1.000	0.000	1.000
		10101- 1-	MOBILIZATION (416847152O1)	LS	0.000	1.000	1.000
		10102- 1-	MAINTENANCE OF TRAFFIC (416847152O1)	LS	0.000	1.000	1.000
		10102- 1-	MAINTENANCE OF TRAFFIC (411327152O1)	LS	1.000	0.000	1.000
T		10102- 14-	TRAFFIC CONTROL OFFICER	WH	80.000	200.000	280.000
		10102- 60-	WORK ZONE SIGN	ED	357.000	595.000	952.000
		10102- 74- 1	BARRICADE, TEMPORARY, TYPES I, II, DI, VP & DRUM	ED	2631.000	4385.000	7016.000
		10102- 74- 2	BARRICADE, TEMPORARY, TYPE III, 6'	ED	54.000	90.000	144.000
		10102- 76-	ADVANCE WARNING ARROW PANEL	ED	33.000	55.000	88.000
		10102- 77-	HIGH INTENSITY FLASHING LIGHTS, TEMP, TYPE B	ED	144.000	240.000	384.000
		10102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	1540.000	1666.000	3206.000
		10102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN,	ED	27.000	45.000	72.000
			TEMPORARY(VARIABLE MESSAGE SIGN)				
		10102-104- 2	TEMPORARY TRAFFIC CONTROL, FIXED SIGNAL	ED	0.000	225.000	225.000
		10102-107-	TEMPORARY TRAFFIC DETECTION, INTERSECT	DA	450.000	1125.000	1575.000
		10104- 10- 3	SEDIMENT BARRIER	LF	208.000	290.000	498.000
		10104- 18-	INLET PROTECTION SYSTEM	EA	1.000	1.000	2.000
		10109- 71- 4	FIELD OFFICE,1200 SQ FT	DA	100.000	165.000	265.000
		10110- 4-	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	885.000	1267.000	2152.000
		10120- 71-	REGULAR EXCAVATION (3-R PROJECTS ONLY)	LS	0.000	1.000	1.000
			(416847152O1)				
		10120- 71-	REGULAR EXCAVATION (3-R PROJECTS ONLY)	LS	1.000	0.000	1.000
			(411327152O1)				
		10327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	55679.000	59392.000	115071.000
		10337- 7- 33	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-12	TN	4594.400	4900.800	9495.200
			5,RUBBER				
		10425- 1-351	INLETS, CURB, TYPE P-5, <10'	EA	0.000	1.000	1.000
		10425- 1-885	INLETS, BARRIER WALL, RIGID, CURB & GUTTER,	EA	1.000	0.000	1.000
			PARTIAL				
		10430- 94- 4	DESILTING PIPE, 49 - 60"	LF	0.000	113.000	113.000
		10430-175-101	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 0-24'S/CD	LF	0.000	16.000	16.000
		10515- 1- 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	0.000	20.000	20.000
		10515- 2-201	PEDESTRIAN, BICYCLE RAILING, STEEL ONLY,42"	LF	143.000	84.000	227.000
			PICKET RAIL				
		10520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	644.000	866.000	1510.000
		10520- 5- 11	TRAFFIC SEPARATOR CONCRETE-TYPE 1, 4' WIDE	LF	2.000	2.000	4.000
		10521- 72- 5	SHOULDER CONCRETE BARRIER WALL, RIGID-CURB &	LF	241.000	113.000	354.000
			GUTTER				
		10522- 1-	SIDEWALK CONCRETE, 4" THICK	SY	561.000	879.000	1440.000
		10522- 2-	SIDEWALK CONCRETE, 6" THICK	SY	188.000	299.000	487.000
		10570- 1- 2	PERFORMANCE TURF, SOD	SY	161.000	289.000	450.000
		10710- 11-111	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE,	NM	3.333	3.598	6.931
			SOLID, 6"				

0001 SUMMARY OF ROADWAY — PAY ITEMS CONTINUED

S P C	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	411327152O1	416847152O1	QUANTITY TOTAL
		10710- 11-122	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE,	LF	1563.000	2509.000	4072.000
			SOLID, 8"				
		10710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE,	LF	3393.000	8348.000	11741.000
			SOLID, 12"				
		10710- 11-124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE,	LF	65.000	443.000	508.000
			SOLID, 18"				
		10710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE,	LF	410.000	830.000	1240.000
			SOLID, 24"				
		10710- 11-131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP	GM	5.000	5.397	10.397
			16"				
		10710- 11-151	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE,	LF	2418.000	3322.000	5740.000
			DOTTED /GUIDELINE/ 6-10 GAP EXTENSION, 6"				
		10710- 11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE,	EA	27.000	32.000	59.000
			MESSAGE				
		10710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE,	EA	86.000	81.000	167.000
			ARROWS				
		10710- 11-211	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW,	NM	3.333	3.598	6.931
			SOLID, 6"				
		10710- 11-224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW,	LF	705.000	965.000	1670.000
			SOLID, 18"				
		10710- 11-231	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW,	GM	0.881	0.482	1.363
			SKIP, 6"				
		10710- 11-251	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW,	LF	0.000	337.000	337.000
			DOTTED/GUIDELINE/6-10 GAP EXTENSION, 6"				
		10710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW,	SF	23.100	122.300	145.400
			ISLANDNOSE				
		10999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1.000	0.000	1.000
			(411327152O1)				
		10999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	0.000	1.000	1.000
			(416847152O1)				

0002 SUMMARY OF SIGNING — PAY ITEMS

S P C	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	411327152O1	416847152O1	QUANTITY TOTAL
		10700- 20- 11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	AS	14.000	16.000	30.000
		10700- 20- 12	SINGLE POST SIGN, F&I, 12-20 SF	AS	10.000	14.000	24.000
T		10700- 20- 19	SINGLE POST SIGN, F&I, NON - STANDARD	AS	3.000	7.000	10.000
		10700- 20- 40	SINGLE POST SIGN, RELOCATE	AS	2.000	1.000	3.000
		10700- 20- 60	SINGLE POST SIGN, REMOVE	AS	18.000	32.000	50.000
		10700- 48- 18	SIGN PANELS, F & I, 15 OR <	EA	0.000	2.000	2.000
		10700- 48- 58	SIGN PANELS, REPLACE, 15 OR LESS	EA	0.000	1.000	1.000
		10705- 11- 3	DELINEATOR, FLEXIBLE HIGH VISABILITY MEDIAN	EA	6.000	41.000	47.000
		10706- 3-	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	1020.000	1105.000	2125.000
		10711- 11-111	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	NM	2.469	2.508	4.977
		10711- 11-122	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8"	LF	1098.000	2500.000	3598.000
		10711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	1625.000	3286.000	4911.000
		10711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF	40.000	457.000	497.000
		10711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	1488.000	2971.000	4459.000
		10711- 11-131	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6"	GM	2.996	2.779	5.775
		10711- 11-151	THERMOPLASTIC, STANDARD, WHITE,	LF	2335.000	3414.000	5749.000
			DOTTED/GUIDELINE/6-10 GAP EXTENSION, 6"				
		10711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE	EA	28.000	31.000	59.000
		10711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	89.000	78.000	167.000
		10711- 11-211	THERMOPLASTIC, STANDARD,YELLOW, SOLID, 6"	NM	1.707	2.192	3.899
		10711- 11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF	152.000	965.000	1117.000
		10711- 11-231	THERMOPLASTIC, STANDARD, YELLOW, SKIP, 6"	GM	0.739	0.482	1.221
		10711- 11-251	THERMOPLASTIC, STANDARD, YELLOW, DOTTED /	LF	1117.000	467.000	1584.000
			GUIDELINE/6-10 GAP EXTENSION, 6"				

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02/01/10	JSM △1 REVISE SIGNALIZATION QUANTITIES		

ECDriver & Associates
500 N. WESTSHORE BOULEVARD
SUITE 500
TAMPA, FL 33609
CERT. OF AUTHORIZATION #3838
ENGINEER OF RECORD: JOHN S. METROKA, P.E.
P.E. NO. 45317

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 580	PINELLAS	416847-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 2

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

0003 SUMMARY OF SIGNALIZATION — PAY ITEMS

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	411327152O1	416847152O1	QUANTITY TOTAL
		10555- 1- 1	DIRECTIONAL BORE, LESS THAN 6"	LF	2123.000	3008.000	5131.000
		10555- 1- 2	DIRECTIONAL BORE, 6" TO < 12"	LF	1406.000	4263.000	5669.000
		10630- 1- 12	CONDUIT - SIGNALS, FURNISH & INSTALL, UNDERGROUND	LF	988.000	3553.000	4541.000
		10630- 1- 13	CONDUIT - SIGNALS, FURNISH & INSTALL, SAWCUT & PLACEUNDER EXISTING PAVEMENT	LF	2116.000	1461.000	3577.000
		10632- 7- 1	CABLE, SIGNAL, FURNISH & INSTALL	PI	2.000	5.000	7.000
		10635- 1- 11	PULL & JUNCTION BOXES, F&I, PULL BOX	EA	34.000	79.000	113.000
		10639- 1- 22	SIGNALS,ELECTRICAL POWER SERVICE,UNDERGROUND, PURCHASED BYCONTRACTOR FROM POWER COMPANY	AS	2.000	5.000	7.000
		10639- 2- 1	SIGNALS, ELECTRICAL SERVICE WIRE	LF	219.000	534.000	753.000
		10641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA	2.000	5.000	7.000
		10649- 31-201	MAST ARM,F&I, WIND SPEED-130,SINGLE ARM,W/O LUMINAIRE-36	EA	0.000	1.000	1.000
		10649- 31-202	MAST ARM,F&I, WIND SPEED-130,SINGLE ARM,W/O LUMINAIRE-46	EA	1.000	1.000	2.000
		10649- 31-203	MAST ARM,F&I, WIND SPEED-130,SINGLE ARM,W/O LUMINAIRE-60	EA	1.000	4.000	5.000
		10649- 31-204	MAST ARM,F&I, WIND SPEED-130,SINGLE ARM,W/O LUMINAIRE,ARM LENGTH 70.5	EA	3.000	8.000	11.000
		10649- 31-205	MAST ARM,F&I, WIND SPEED-130,SINGLE ARM,W/O LUMINAIRE,ARM LENGTH 78	EA	3.000	6.000	9.000
		10650- 51-311	TRAFFIC SIGNAL, F&I, 3 SECTION, 1 WAY, STANDARD	AS	26.000	51.000	77.000
		10650- 51-511	TRAFFIC SIGNAL, F&I, 5 SECTIONS, 1 WAY, STANDARD	AS	0.000	7.000	7.000
		10653-191-	PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 1 DIRECTION	AS	6.000	17.000	23.000
		10653-192-	PEDESTRIAN SIGNAL, F&I, LED - COUNT DOWN, 2 DIRECTIONS	AS	5.000	8.000	13.000
		10659-101-	SIGNAL HEAD AUXILIARIES, F&I, BACK PLATES 3 SECT	EA	26.000	51.000	77.000
		10659-106-	SIGNAL HEAD AUXILIARIES, F&I, TUNNEL VISOR	EA	78.000	188.000	266.000
		10659-107-	SIGNAL HEAD AUXILIARIES, F&I, ALUMINUM PEDESTAL	EA	11.000	26.000	37.000
		10659-118-	SIGNAL HEAD AUXILIARIES, F&I, BACK PLATES, 5 SECT CLUSTER	EA	0.000	7.000	7.000
		10660- 1-101	LOOP DETECTOR INDUCTIVE, F&I, TYPE 1	EA	18.000	38.000	56.000
		10660- 2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	18.000	38.000	56.000
	T	10663- 74- 14	VEHICLE DETECTOR ASSEMBLIES, F&I,EMERGENCY PRE-EMPTION	EA	8.000	20.000	28.000
	T	10663- 74- 15	VEHICLE DETECTOR ASSEMBLIES, F&I, VIDEO	EA	8.000	20.000	28.000
		10665- 13-	PEDESTRIAN DETECTOR, F&I, DETECTOR WITH SIGN ONLY	EA	16.000	34.000	50.000
	T	10670- 5-131	TRAFFIC CONTROLLER ASSEMBLY, F&I, SPECIALONE PREEMPTION PLAN	AS	2.000	5.000	7.000
	T	10685-106-	SYSTEM AUXILIARIES, F&I, UNINTERRUPTIBLE POWER SOURCE	EA	2.000	5.000	7.000

0003 SUMMARY OF SIGNALIZATION — PAY ITEMS CONTINUED

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	411327152O1	416847152O1	QUANTITY TOTAL
		10690- 10-	SIGNAL HEAD TRAFFIC ASSEMBLY REMOVAL	EA	25.000	51.000	76.000
		10690- 20-	SIGNAL PEDESTRIAN ASSEMBLY REMOVAL	EA	8.000	22.000	30.000
		10690- 33- 1	POLE REMOVAL, DEEP DIRECT BURIAL	LF	160.000	400.000	560.000
		10690- 50-	CONTROLLER ASSEMBLY, REMOVE, COMPLETE ASSEMBLY	EA	2.000	5.000	7.000
		10690- 60-	DETECTOR VEHICLE ASSEMBLY REMOVE	EA	24.000	42.000	66.000
		10690- 70-	DETECTOR PEDESTRIAN ASSEMBLY REMOVE	EA	14.000	36.000	50.000
		10690- 80-	SPAN WIRE ASSEMBLY, REMOVE	EA	2.000	5.000	7.000
		10690- 90-	CONDUIT & CABLING REMOVE	PI	2.000	5.000	7.000
		10690-100-	SIGNAL EQUIPMENT MISCELLANOUS REMOVE	PI	2.000	5.000	7.000
		10699- 1- 1	INTERNAL ILLUM SIGN, FURNISH & INSTALL, STREET NAME	EA	8.000	20.000	28.000
		10741- 70-111	ITWS VEHICLE SENSOR, CLASS 11, F&I, TYP 1, 1/2 LN	EA	6.000	6.000	12.000
		10745- 70- 12	ITWS INDUCTIVE LOOP ASSEM, F&I, 2 LOOPS / LANE	AS	6.000	6.000	12.000
		10746- 71-132	ITWS CABINET,F&I, TYPE 111, PEDESTAL MNT, 2 BACKPLANE	EA	1.000	1.000	2.000
		10783- 1-123	ITS FIBER OPTIC CABLE, F& I, UNDERGROUND, 49 - 96 FIBERS	LF	3132.000	6132.000	9264.000
		10783- 4-112	ITS CONDUIT, F& I, UNDERGROUND	LF	8704.000	16444.000	25148.000
		10783- 5- 1	ITS PULL BOX FOR FIBER OPTIC CABLE, FURNISH AND INSTALL	EA	2.000	5.000	7.000
		10783- 6- 1	ITS SPLICE BOX FOR FIBER OPTIC CABLE, F & I	EA	1.000	4.000	5.000

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
02/01/10	JSM △1 REVISE SIGNALIZATION QUANTITIES		

ECDriver & Associates
500 N. WESTSHORE BOULEVARD
SUITE 500
TAMPA, FL 33609
CERT. OF AUTHORIZATION #3838

ENGINEER OF RECORD: JOHN S. METROKA, P.E. P.E. NO. 45317

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 580	PINELLAS	416847-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO. 3

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS T-4 PLAN	T-4 FINAL	T-5 PLAN	T-5 FINAL	T-6 PLAN	T-6 FINAL	T-7 PLAN	T-7 FINAL	T-8 PLAN	T-8 FINAL	T-9 PLAN	T-9 FINAL	T-10 PLAN	T-10 FINAL	T-11 PLAN	T-11 FINAL	PLAN	FINAL	PLAN	FINAL	TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL	REF. SHEET
555-1-1	DIRECTIONAL BORE (< 6", 4" CONDUIT, 1 RUN)	LF											188		1742		1078						3008		3008		
555-1-2	DIRECTIONAL BORE (6" TO <12") (4 RUNS)	LF	245		171		274		247		265				875		1537						3614		3614		
555-1-2	DIRECTIONAL BORE (6" TO < 12") (5 RUNS)	LF	119		142		137		126		125												649		649		
630-1-12	CONDUIT (FURNISH & INSTALL) (UNDERGROUND)	LF	574		503		240		552		△1 1684												3553	△1	3553	△1	
630-1-13	CONDUIT (FURNISH & INSTALL) (UNDER PAVEMENT)	LF					620		690		△1 117		34										1461	△1	1461	△1	
632-7-1	CABLE (SIGNAL) (FURNISH & INSTALL)	PI	1		1		1		1		1												5		5		
635-1-11	PULL & JUNCTION BOXES (F & I) (PULL BOX)	EA	13		15		16		16		△1 17		2										79	△1	79	△1	
639-1-22	ELECTRICAL POWER SERVICE (UNDERGROUND)	AS	1		1		1		1		1												5		5		
639-2-1	ELECTRICAL SERVICE WIRE (F & I)	LF	165		72		87		93		117												534		534		
641-2-12	PRESTRESS CONC POLE (F&I) (SERV POLE TYPE II)	EA	1		1		1		1		1												5		5		
649-31-201	MAST ARM ASSEMBLY (F & I) (130) (36')	EA							1														1		1		
649-31-202	MAST ARM ASSEMBLY (F & I) (130) (46')	EA									1												1		1		
649-31-203	MAST ARM ASSEMBLY (F & I) (130) (60')	EA	1		1		2																4		4		
649-31-204	MAST ARM ASSEMBLY (F & I) (130) (70.5')	EA	1		3				3		1												8		8		
649-31-205	MAST ARM ASSEMBLY (F & I) (130) (78')	EA	2				2				2												6		6		
650-51-311	SIGNAL TRAFFIC (F & I) (3 SECT 1 WY) (LED)	AS	9		10		14		8		10												51		51		
650-51-511	SIGNAL TRAFFIC (F & I) (5 SECT 1 WY) (LED)	AS	3				2		2														7		7		
653-191	SIGNAL PED (F & I) (COUNTDOWN) (1 DIRECTION)	AS	3		6				4		4												17		17		
653-192	SIGNAL PED (F & I) (COUNTDOWN) (2 DIRECTION)	AS			1		4		2		1												8		8		
659-101	SIGNAL HEAD AUX (BACK PLATES, 3 SEC)	EA	9		△1 10		14		8		10												51	△1	51	△1	
659-106	SIGNAL HEAD AUX (TUNNEL VISOR)	EA	42		△1 30		52		34		30												188	△1	188	△1	
659-107	SIGNAL HEAD AUX (ALUMINUM PED)	EA	3		7		4		6		△1 6												26	△1	26	△1	
659-118	SIGNAL HEAD AUX (BACK PLATES, 5 SEC)	EA	3				2		2														7		7		
660-1-101	LOOP DETECTOR (INDUCTIVE, F & I, TYPE I)	EA	4		8		10		8		8												38		38		
660-2-102	LOOP ASSEMBLY (F & I, TYPE B)	AS	4		8		10		8		8												38		38		
663-74-14	VEHICLE DETECTOR (OPTICAL - EMERG PRE-EMP)	EA	4		4		4		4		4												20		20		
663-74-15	VEHICLE DETECTOR (VIDEO)	EA	4		4		4		4		4												20		20		
665-13	DETECTOR PED (F & I) (DETECTOR W/SIGN ONLY)	EA	3		8		8		8		△1 7												34	△1	34	△1	
670-5-131	CONTROLLER ASSEMBLY ACT SS (F & I) (ONE PRE)	AS	1		1		1		1		1												5		5		
685-106	SYSTEM AUX (UNINTERRUPTIBLE PWR SOURCE)	EA	1		1		1		1		1												5		5		
690-10	TRAFFIC SGNL HEAD ASSEMBLY (REMOVE)	EA	14		10		11		6		10												51		51		
690-20	SIGNAL PED ASSEMBLY (REMOVE)	EA	4		4		5		4		5												22		22		
690-33-1	POLE REMOVAL (DIRECT BURIAL)	LF	80		80		80		80		80												400		400		
690-50	CONTROLLER ASSEMBLY (REMOVE)	EA	1		1		1		1		1												5		5		
690-60	DETECTOR VEHICLE ASSEMBLY (REMOVE)	EA	8		8		8		12		6												42		42		
690-70	DETECTOR PED ASSEMBLY (REMOVE)	EA	8		8		6		8		6												36		36		
690-80	SPAN WIRE ASSEMBLY (REMOVE)	EA	1		1		1		1		1												5		5		
690-90	CONDUIT & CABLING (REMOVE)	PI	1		1		1		1		1												5		5		
690-100	SIGNAL EQUIPMENT, MISCELLANEOUS (REMOVE)	PI	1		1		1		1		1												5		5		
699-1-1	INTERNALLY ILLUMINATED SIGN (ST NAME)	EA	4		4		4		4		4												20		20		
700-48-18	SIGN PANEL (F&I) (15 OR <)	EA							2														2		2		
741-70-111	TRAFFIC MONITORING SITE SENSOR (TYPE I)	EA											6										6		6		
745-70-12	TRAFFIC MONITORING SITE INDUCTIVE LOOP	AS											6										6		6		
746-71-132	TRAFFIC MONITORING SITE CABINET	EA											1										1		1		
783-1-123	ITS FIBER OPTIC CABLE (F&I, UNDERGROUND, 96)	LF													2967		3165						6132		6132		
783-4-112	ITS CONDUIT (1" INNERDUCT CELLS, 3 RUNS)	LF													7926		8331						16257		16257		
783-4-112	ITS CONDUIT (4" OUTERDUCT CELLS, 1 RUN)	LF													25		162						187		187		
783-5-1	ITS PULL BOX FOR FIBER OPTICS	EA													3		2						5		5		
783-6-1	ITS SPLICE BOX FOR FIBER OPTIC	EA													1		3						4		4		

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
01/28/10	MCS △1 REVISED SIGNALIZATION QUANTITIES		

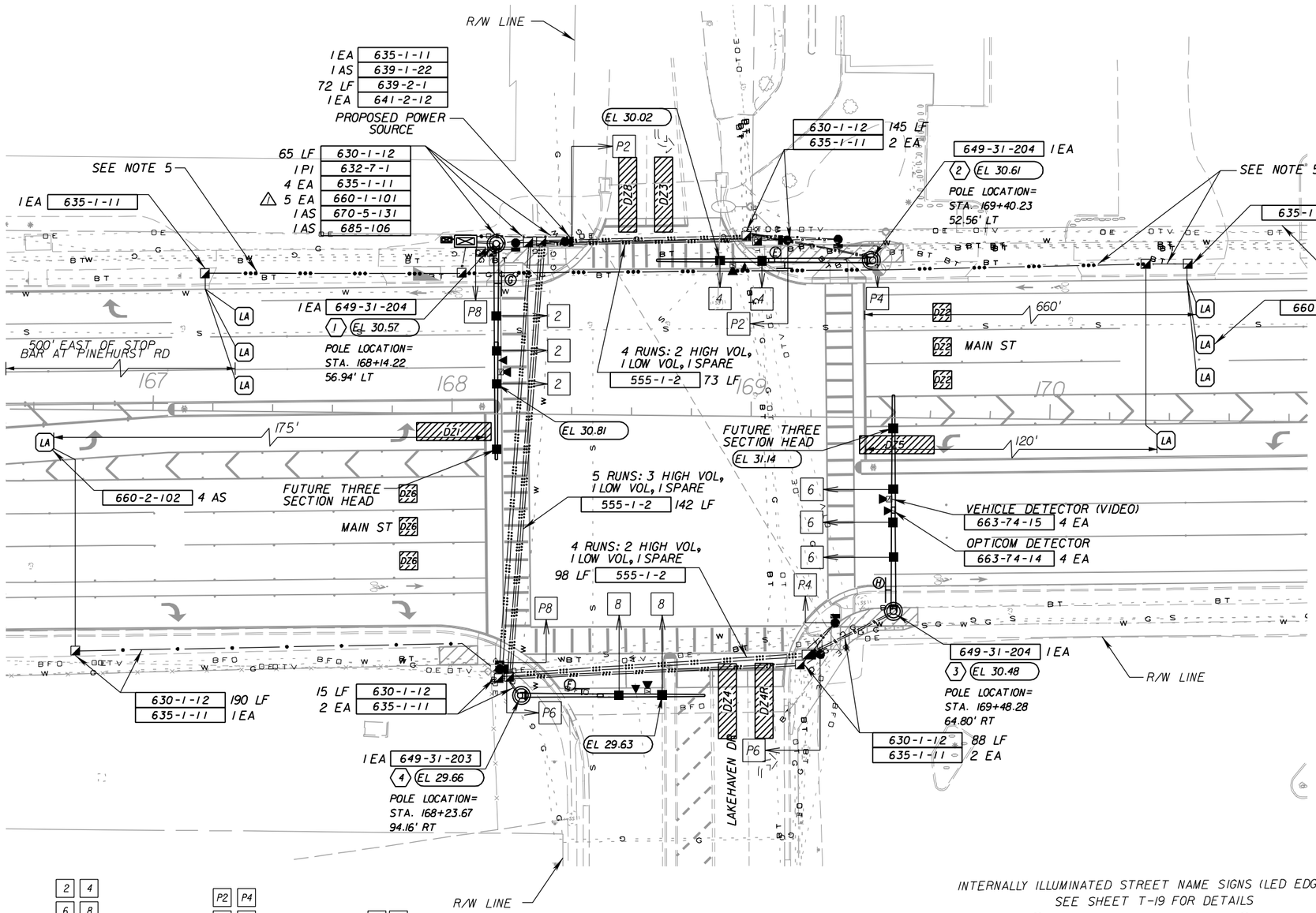
BES INC
TRANSPORTATION ENGINEERS
11007 N. 56th St., #208
Temple Terrace, FL 33617
C.A. No. 9835
Dilip K. Mundkur, P.E. No. 49031

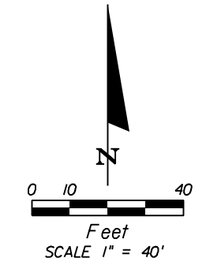
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 580	PINELLAS	416847-1-52-01

TABULATION OF QUANTITIES

SHEET NO. T-2



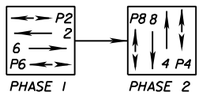


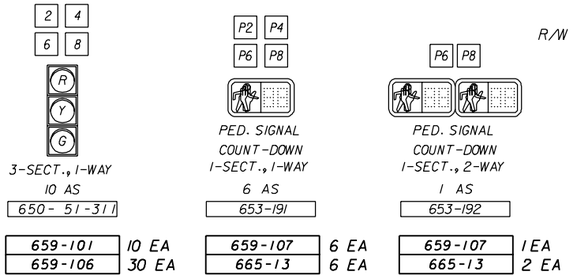
SIGNAL NOTES

1. MAJOR STREET IS SR 580 (MAIN ST).
   MINOR STREET IS LAKEHAVEN DRIVE.
2. THE CONTROLLER SHALL BE WIRED FOR SOP 10 FULLY ACTUATED WITH THE FOLLOWING:
   A. FLASHING OPERATION IS YELLOW ALONG SR 580 AND RED ALONG LAKEHAVEN DRIVE.
   B. SIGNAL TIMINGS PROVIDED ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
3. SIGNAL HEADS FOR ALL MOVEMENTS REQUIRE BACK PLATES.
4. "LA" LOOPS ARE FOR PINELLAS COUNTY'S ADVANCED TRAFFIC MANAGEMENT SYSTEM AND ARE 6'X6'
5. CONDUIT FOR "LA" LOOPS ON NORTHSIDE TO BE PLACED WITH DIRECTIONAL BORE FOR INTERCONNECT.

NOTE:
EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT. THIS INCLUDES LEFT TURN MOVEMENTS. EACH LEFT TURN MOVEMENT SHALL HAVE CONDUCTORS AVAILABLE FOR PROTECTED AND PERMISSIVE OPERATION.

SOP 1





△1	659-101	10 EA	659-107	6 EA	659-107	1 EA
△1	659-106	30 EA	665-13	6 EA	665-13	2 EA

REMOVAL PAY ITEM NUMBERS

690-10	10 EA
690-20	4 EA
690-33-1	80 LF
690-50	1 EA
690-60	8 EA
690-70	8 EA
690-80	1 EA
690-90	1 PI
690-100	1 PI

INTERNALLY ILLUMINATED STREET NAME SIGNS (LED EDGE LIT)
SEE SHEET T-19 FOR DETAILS

(E) Main St 1340 1350 — 72" X 24"	(G) Lakehaven 1000 DR 1100 — 84" X 24"
(F) Main St 1350 1340 — 72" X 24"	(H) Lakehaven 1100 DR 1000 — 84" X 24"

699-1-1 4 EA

CONTROLLER TIMINGS

TIMING FUNCTION								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
MINIMUM GREEN		15		5		15		5
EXTENSION		4		3		4		3
MAXIMUM GREEN 1		50		46		50		46
MAXIMUM GREEN 2								
YELLOW CLEARANCE		4.3		3.6		4.3		3.6
ALL RED		2.0		3.0		2.0		3.0
PEDESTRIAN WALK		7		7		7		7
PED. CLEARANCE		17		29		28		35
RECALL		MAX				MAX		

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/28/10	MCS	△1 REVISED PAY ITEM NUMBER QUANTITY			

BES INC. TRANSPORTATION ENGINEERS
11007 N. 56th St., #208
Temple Terrace, FL 33617
C.A. No. 9835
Dilip K. Mundkur, P.E. No. 49031

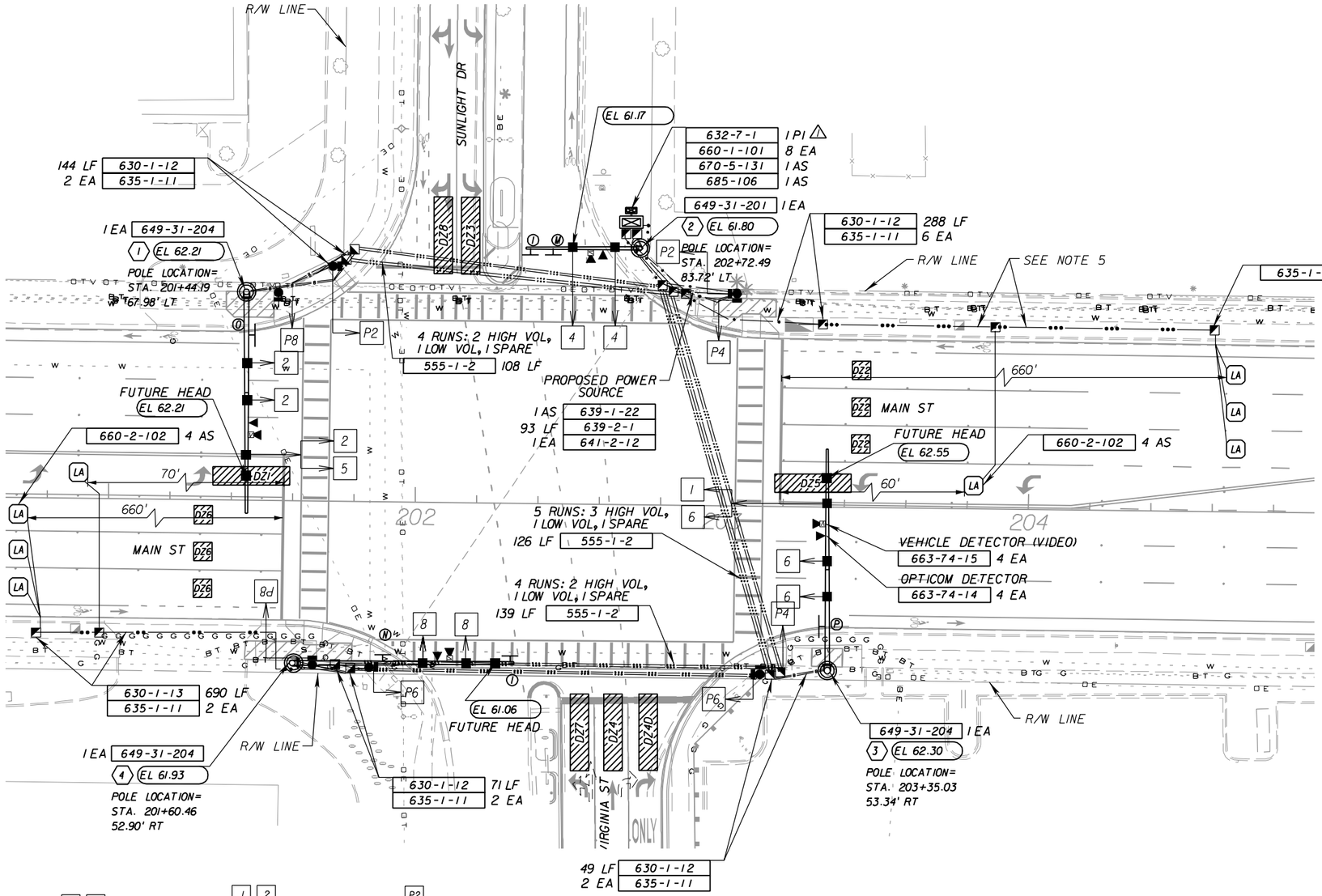
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

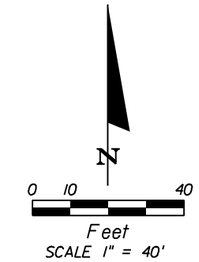
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 580	PINELLAS	416847-1-52-01

SIGNALIZATION PLAN SHEET
LAKEHAVEN DR

SHEET NO. T-5

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



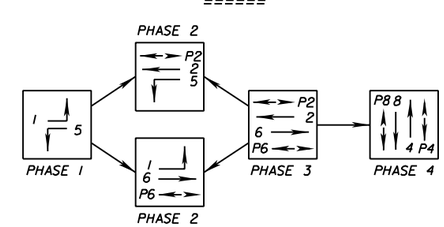


SIGNAL NOTES

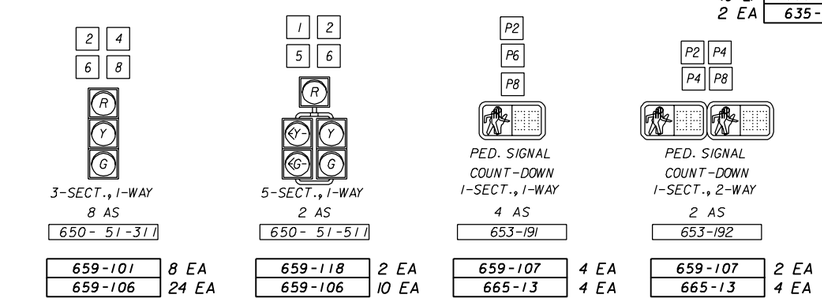
1. MAJOR STREET IS SR 580 (MAIN ST).
   MINOR STREET IS SUNLIGHT DRIVE/VIRGINIA STREET.
2. THE CONTROLLER SHALL BE WIRED FOR SOP 10 FULLY ACTUATED WITH THE FOLLOWING:
   A. FLASHING OPERATION IS YELLOW ALONG SR 580 AND RED ALONG SUNLIGHT DRIVE/VIRGINIA STREET.
   B. SIGNAL TIMINGS PROVIDED ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
3. SIGNAL HEADS FOR ALL MOVEMENTS REQUIRE BACK PLATES.
4. "LA" LOOPS ARE FOR PINELLAS COUNTY'S ADVANCED TRAFFIC MANAGEMENT SYSTEM AND ARE 6'X6'
5. CONDUIT FOR "LA" LOOPS ON NORTHSIDE TO BE PLACED WITH DIRECTIONAL BORE FOR INTERCONNECT.

NOTE:
EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT. THIS INCLUDES LEFT TURN MOVEMENTS. EACH LEFT TURN MOVEMENT SHALL HAVE CONDUCTORS AVAILABLE FOR PROTECTED AND PERMISSIVE OPERATION.

SOP 7



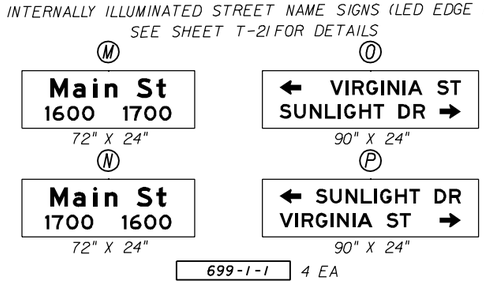
24" X 30"
700-48-18 2 EA



REMOVAL PAY ITEM NUMBERS

690-10	6 EA
690-20	4 EA
690-33-1	80 LF
690-50	1 EA
690-60	12 EA
690-70	8 EA
690-80	1 EA
690-90	1 PI
690-100	1 PI

INTERNALLY ILLUMINATED STREET NAME SIGNS (LED EDGE LIT)
SEE SHEET T-21 FOR DETAILS



699-1-1 4 EA

CONTROLLER TIMINGS

TIMING FUNCTION									
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN	7	20		7	7	20		7
	EXTENSION	3	4		3	3	4		3
	MAXIMUM GREEN 1	25	20		25	25	20		25
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE	3.6	4.3		3.6	3.6	4.3		3.6
	ALL RED	3.2	2.5		2.9	3.2	2.5		2.9
	PEDESTRIAN WALK		7		7		7		7
	PED. CLEARANCE		33		30		36		30
	RECALL		MIN				MIN		

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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/28/10	MCS	1 INSERTED MISSING PAY ITEM NUMBER BOX			

BES INC. TRANSPORTATION ENGINEERS
11007 N. 56th St., #208
Temple Terrace, FL 33617
C.A. No. 9835
Dilip K. Mundkur, P.E. No. 49031

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 580	PINELLAS	416847-1-52-01

SIGNALIZATION PLAN SHEET
VIRGINIA ST/SUNLIGHT DR

SHEET NO. T-7

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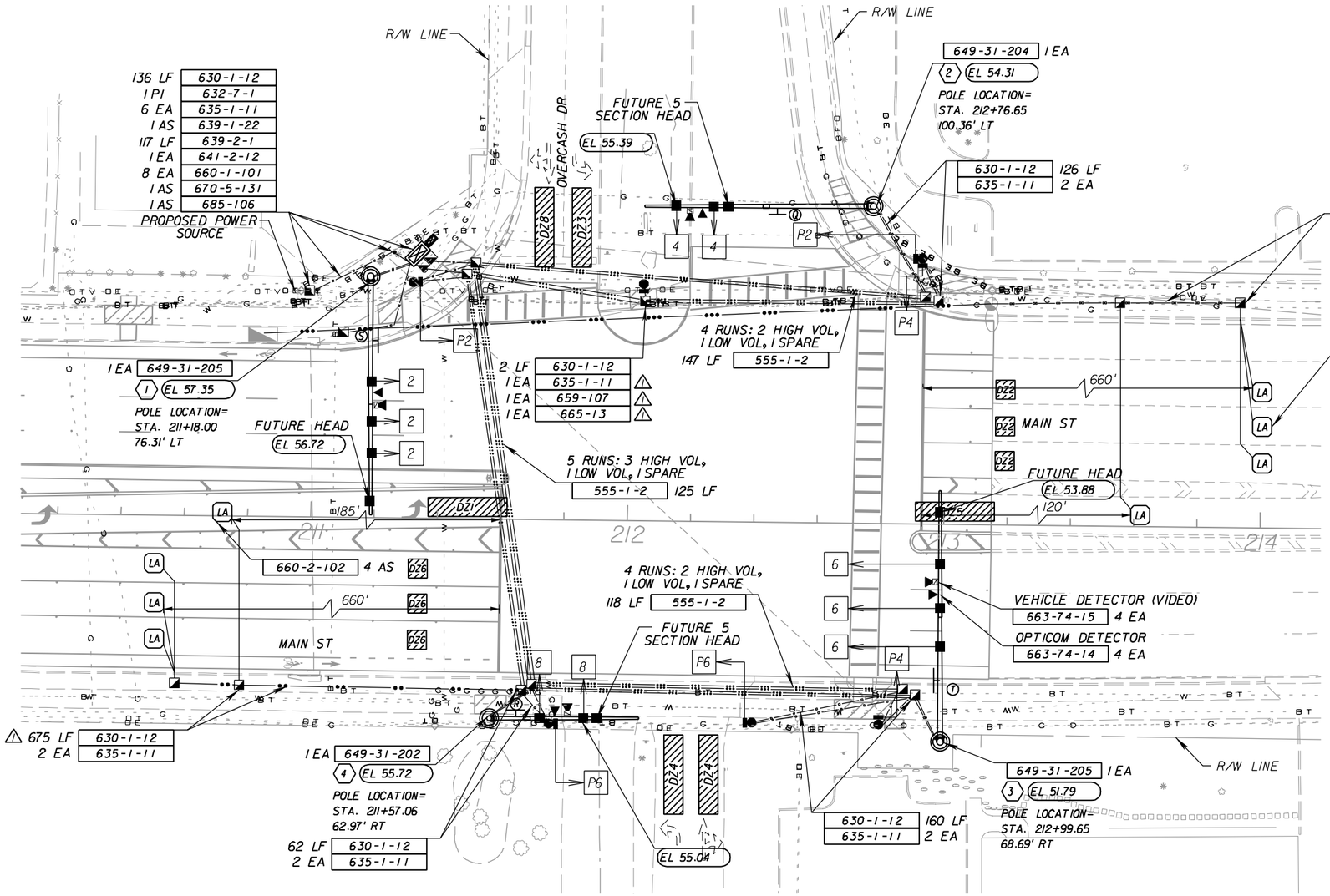
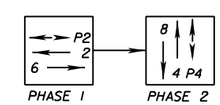


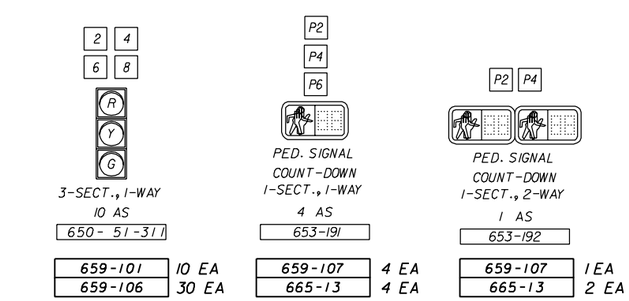
SIGNAL NOTES

1. MAJOR STREET IS SR 580 (MAIN ST). MINOR STREET IS OVERCASH DRIVE.
2. THE CONTROLLER SHALL BE WIRED FOR SOP 10 FULLY ACTUATED WITH THE FOLLOWING:
   A. FLASHING OPERATION IS YELLOW ALONG SR 580 AND RED ALONG OVERCASH DRIVE.
   B. SIGNAL TIMINGS PROVIDED ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
3. SIGNAL HEADS FOR ALL MOVEMENTS REQUIRE BACK PLATES.
4. INSTALL RED LIGHT RUNNING LIGHTS AT BOTTOM OF INSIDE SIGNAL HEADS OF MOVEMENTS 2, 4, 6 AND 8.
5. "LA" LOOPS ARE FOR PINELLAS COUNTY'S ADVANCED TRAFFIC MANAGEMENT SYSTEM AND ARE 6'X6'

NOTE:
EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT. THIS INCLUDES LEFT TURN MOVEMENTS. EACH LEFT TURN MOVEMENT SHALL HAVE CONDUCTORS AVAILABLE FOR PROTECTED AND PERMISSIVE OPERATION.

SOP 1





REMOVAL PAY ITEM NUMBERS

690-10	10 EA
690-20	5 EA
690-33-1	80 LF
690-50	1 EA
690-60	6 EA
690-70	6 EA
690-80	1 EA
690-90	1 PI
690-100	1 PI

INTERNALLY ILLUMINATED STREET NAME SIGNS (LED EDGE LIT)
SEE SHEET T-22 FOR DETAILS

Q: Main St 1700 1800 — 72" X 24"
S: Overcash → DR 1100 — 96" X 24"
R: Main St 1800 1700 — 72" X 24"
T: ← Overcash 1100 DR — 96" X 24"

699-1-1 4 EA

CONTROLLER TIMINGS

TIMING FUNCTION								
MOVEMENT NUMBER	1	2	3	4	5	6	7	8
MINIMUM GREEN		20		10		20		
EXTENSION		4		3		4		
MAXIMUM GREEN 1		55		25		55		
MAXIMUM GREEN 2								
YELLOW CLEARANCE		4.3		3.6		4.3		
ALL RED		2.1		2.9		2.1		
PEDESTRIAN WALK		7		7				
PED. CLEARANCE		37		36				
RECALL		MIN				MIN		

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/28/10	MCS	△1 REVISED PAY ITEM NUMBER QUANTITY			

BES INC. TRANSPORTATION ENGINEERS
11007 N. 56th St., #208
Temple Terrace, FL 33617
C.A. No. 9835
Dilip K. Mundkur, P.E. No. 49031

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 580	PINELLAS	416847-1-52-01

SIGNALIZATION PLAN SHEET
OVERCASH DR

SHEET NO. T-8

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