



CITY OF KINGSLAND, GEORGIA

CITY COUNCIL

AGENDA • MARCH 28, 2016

Regular Meeting

City Council Chamber

6:00 PM

107 South Lee Street - City Hall, Kingsland, GA 31548

I. CALL TO ORDER AND WELCOME GUESTS

II. INVOCATION AND PLEDGE TO THE FLAG

III. ROLL CALL

Kenneth E Smith Sr
Charles Grayson Day Jr
James Ham
Jim McClain
Richard A. Winters

Mayor
Mayor Pro Tem
City Councilman
City Councilman
City Councilman

IV. CONSENT DOCKET

- A. Approve the Council Minutes of the last regular Council Meeting
- B. Approve the Agenda as Presented
- C. Approve the Payments of Accounts Payable as Due and Funds Available

V. RECOGNITION

- 1. Proclamation: Honorary Fire Fighter, Jeremiah Parker - Fire Chief Terry Smith
- 2. Distinguished Budget Presentation Award from GFOA to Finance Department -

VI. GRANTING AUDIENCE TO THE PUBLIC

VII. OLD BUSINESS

VIII. PLANNING AND ZONING

- 1. Approval Of: Resolution #2016-06 Accepting Property -

2. Approval Of: Quit Claim Deed with Soncel Construction, Inc. -

IX. NEW BUSINESS

1. Approval Of: Resolution #2016-05 -

A resolution to authorize and direct an officer of the City to execute one or more lease supplements for five (5) Dodge Charger Police Pursuit Vehicles and related installed equipment under the GMA direct leasing program; to designate such leases as qualified tax-exempt obligations; to provide an effective date; and for other purposes.

2. Discussion and Approval - Contract for Middle School Road RxR Crossing (St. Mary's Railroad Preferred Vendor) -

X. MAYOR AND COUNCIL ANNOUNCEMENT

XI. ADJOURNED



Government Finance Officers Association
 203 North LaSalle Street, Suite 2700
 Chicago, Illinois 60601-1210
 312.977.9700 fax: 312.977.4806

March 1, 2016

Lee Spell
 City Manager
 City of Kingsland
 PO Box 250
 107 South Lee Street
 Kingsland, GA 31548

Dear Mr. Spell:

I am pleased to notify you that City of Kingsland, Georgia has received the Distinguished Budget Presentation Award for the current budget from the Government Finance Officers Association (GFOA). This award is the highest form of recognition in governmental budgeting and represents a significant achievement by your organization.

When a Distinguished Budget Presentation Award is granted to an entity, a Certificate of Recognition for Budget Presentation is also presented to the individual or department designated as being primarily responsible for its having achieved the award. This has been presented to:

The Finance Department

We hope you will arrange for a formal public presentation of the award, and that appropriate publicity will be given to this notable achievement. A press release is enclosed for your use.

We appreciate your participation in GFOA's Budget Awards Program. Through your example, we hope that other entities will be encouraged to achieve excellence in budgeting.

Sincerely,

Stephen J. Gauthier, Director
 Technical Services Center

Enclosure

#2016-06

RESOLUTION ACCEPTING PROPERTY

WHEREAS, the City of Kingsland has previously approved the subdivision plat of Lake Oleander subdivision, as more fully and accurately shown and described on that certain plat of survey of same by Ernest R. Bennett, Jr., Georgia Registered Land Surveyor No. 2893, dated October 30, 2006, recorded in Plat Drawer 21, Map No. 71, Camden County, Georgia, records.

WHEREAS, all streets and other improvements required under ordinances of the City of Kingsland have been completed and accepted by the City of Kingsland; and

WHEREAS, Soncel Construction, Inc., has tendered to the City of Kingsland a deed conveying the following property:

All of Weeping Willow Way (a 60-foot right-of-way) and Cattail Court (a 60-foot right-of-way) as more fully and accurately shown and described on that certain plat of survey of Lake Oleander subdivision, prepared by Ernest R. Bennett, Jr., Georgia Registered Land Surveyor No. 2893, dated October 30, 2006, recorded in Plat Drawer 21, Map No. 71, Camden County, Georgia, records.

Together with all utility and drainage easement rights dedicated on the aforementioned subdivision plat of Lake Oleander subdivision.

which deed is acceptable to the City of Kingsland;

NOW, THEREFORE BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF KINGSLAND, GEORGIA, that the deed from Soncel Construction, Inc., to the City of Kingsland, Georgia, conveying the aforesaid streets and easements within the subdivision, dated _____, is hereby accepted by the City of Kingsland.

THIS _____ day of _____, 2016.

CITY OF KINGSLAND, GEORGIA

By: _____ (SEAL)
Its Mayor

Attest: _____ (SEAL)
Its Clerk

Attachment: Resolution 2016-06 Lake Oleander (1597 : Approval Of: Resolution #2016-06 Accepting Property)

CLERK'S CERTIFICATE

I, Linda O'Shaughnessy, the duly appointed, qualified and acting Clerk of the City of Kingsland, Georgia, do hereby certify that the attached resolution was duly adopted by the Mayor and Council of the City of Kingsland, Georgia, at its regular meeting held on _____, 2016, and I do further certify that the copy of the resolution is a true and correct copy of said resolution adopted at said meeting and on file and of record.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of said City this _____ day of _____, 2016.

Linda O'Shaughnessy

Please return to:
 Kinney & Kinney, LLC
 Attorneys at Law
 P. O. Box 7050
 St. Marys, GA 31558
 File No. 36687

STATE OF GEORGIA

COUNTY OF CAMDEN

QUIT-CLAIM DEED

THIS INDENTURE, made this 1st day of March, 2016,
 between, and SONCEL CONSTRUCTION, INC., a Georgia corporation, of the
 first part, and the CITY OF KINGSLAND, a municipal corporation of the State of
 Georgia, of the second part.

WITNESSETH: That the said party of the first part, for and in
 consideration of the sum of \$10.00 and other valuable considerations in hand
 paid, the receipt whereof is acknowledged, has bargained, sold, and by these
 presents does remise, convey and forever QUIT CLAIM to the said party of the
 second part, its successors and assigns, all that lot, tract, or parcel of land
 lying and being in the City of Kingsland, 1606th G. M. District, Camden
 County, Georgia, more particularly described as follows:

All of Weeping Willow Way (a 60-foot right-of-way) and Cattail
 Court (a 60-foot right-of-way) as more fully and accurately shown

Attachment: quit claim weeping willow way (1598 : Approval Of: Quit Claim Deed with Soncel Construction, Inc.)

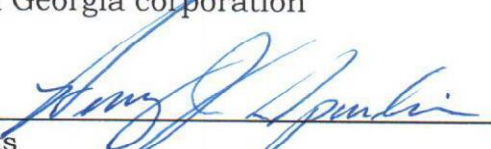
and described on that certain plat of survey of Lake Oleander subdivision, prepared by Ernest R. Bennett, Jr., Georgia Registered Land Surveyor No. 2893, dated October 30, 2006, recorded in Plat Drawer 21, Map No. 71, Camden County, Georgia, records.

Together with all utility and drainage easement rights dedicated on the aforementioned subdivision plat of Lake Oleander subdivision.

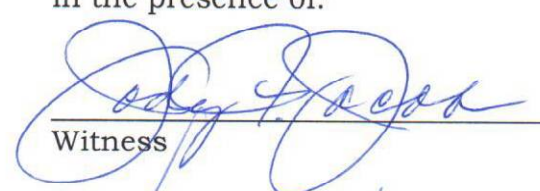
TO HAVE AND TO HOLD the said bargained premises to the said party of the second part, so that neither the said party of the first part nor its successors and assigns, nor any other person or persons claiming under it shall at any time by any means or ways, have, claim or demand any right or title to the aforesaid described premises or appurtenances, or any rights thereof.

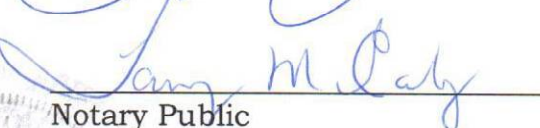
IN WITNESS WHEREOF, the said party of the first part has hereunto set the hands and seals of the respective officers, the day and year above written.

SONCEL CONSTRUCTION, INC.,
a Georgia corporation

By:  (SEAL)
Its

Signed, sealed, and delivered
in the presence of:


Witness


Notary Public

Notary Public, Camden County, Georgia
My commission expires May 21, 2017

**Lake Oleander
Right-Of-Way and
Easements**



Attachment: quit claim weeping willow way (1598 : Approval Of: Quit Claim Deed with Soncel Construction, Inc.)

RESOLUTION #2016-05
FOR SUPPLEMENTAL LEASES
A RESOLUTION OR ORDINANCE TO AUTHORIZE AND
DIRECT AN OFFICER OF THE CITY
TO EXECUTE ONE OR MORE LEASE SUPPLEMENTS FOR A LEASE
OR LEASES UNDER THE GMA DIRECT LEASING PROGRAM; TO DESIGNATE
SUCH LEASES AS QUALIFIED TAX-EXEMPT OBLIGATIONS;
TO PROVIDE AN EFFECTIVE DATE; AND FOR OTHER PURPOSES.

WHEREAS, the City has entered into a Master Lease (the "Master Lease") dated as of May, 22, 2001, with Georgia Municipal Association, Inc. for the leasing from time to time of certain equipment, machinery or other personal property pursuant to Supplemental Leases;

NOW THEREFORE, BE IT RESOLVED OR ORDAINED AS FOLLOWS BY THE GOVERNING BODY OF THE CITY:

1. The City Manager of the City is hereby authorized and directed to execute and deliver a Lease Supplement pursuant to the Master Lease to put into effect one or more leases for (5) Dodge Charger Police Cars w/Equipment (the "Leased Property") in the amount up to \$200,000.00; said officer of the City is authorized and directed in the name and on behalf of the City to execute and deliver (i) one or more Lease Supplements for items of the Leased Property in substantially the form attached to the Master Lease, with such changes and additions as may be approved by said officer, and (ii) such other documents as may be deemed by such officer to be necessary or desirable to effect the purposes hereof or of the Master Lease, and such execution shall constitute conclusive evidence that the executed document has been authorized and approved hereby; the aforesaid officer is further authorized to do all things necessary or appropriate to effectuate the purposes hereof.

2. ☐ An appropriation in the City's current operating budget has previously been made, which shall be sufficient to pay the "Rentals" and the "Termination Payment" during the "Starting Term" under such Lease Supplements; or

(check box if applicable)

☐ An appropriation from unappropriated and unreserved funds in the City's current operating budget is hereby made for the "Rentals" and the "Termination Payment" during the "Starting Term" under such Lease Supplements, and the budget of the City is hereby amended to reflect such appropriation to the extent necessary.

3. The lease or leases contemplated by the said Lease Supplements are hereby designated "Qualified Tax-Exempt Obligations" within the meaning of Section 265(b)(3) of the Internal Revenue Code of 1986, as amended, and said officer shall be authorized to confirm such designation by execution of appropriate documents in connection therewith.

4. This authorization shall be effective immediately.

CLERK'S CERTIFICATE

The undersigned hereby certifies that he or she is the Clerk of the City of Kingsland, Georgia (the "City"), and that the foregoing is a true copy of the ☐ Resolution or, ☐ Ordinance [Check One] adopted by the governing body of the City at a meeting duly held on the 28th of March, 2016, at which a quorum was present and acting throughout, and that the same has not been rescinded or modified and is now in full force and effect. Given under the seal of the City, this _____, 20____.

(SEAL)

City Clerk

Attachment: RESOLUTION #2016-5 Supplement Lease (1595 : Approval Of: Resolution #2016-05)

BID PROPOSAL MIDDLE SCHOOL ROAD / BOONE STREET RAIL CROSSING

				Engineer's Estimate		INTERRAIL		SIGNAL SOUTH		XORAIL	
Item	Description	Quantity	Units	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
Rail Crossing											
	Rail Crossing Traffic Control Equipment	1	LS	Lump Sum	\$ 200,000.00	Lump Sum	\$ 216,020.87	Lump Sum	\$ 182,214.13	Lump Sum	\$ 191,134.50

Cheek, Robbie

From: boggsrr@bellsouth.net
Sent: Thursday, March 17, 2016 3:44 PM
To: Cheek, Robbie
Cc: Joey Gannon
Subject: Fw: signal South Resumes org. Chart Similar Projects
Attachments: signal South Resumes org. Chart Similar Projects.pdf; SIGNAL SOUTH PHONE DIR.XLSX.pdf

Good afternoon Robbie,

I visited with the Signal South team today and can provide the following.

Resume attached.

Well staffed and well run operation, providing signal support to several Class 1 railroads including NS and CSX.

Capable of accurate field survey information using railroad personel with experience in all phases of design and construction. I reviewed several projects in various stages of construction.

Provided an overview of the Boone Ave project and they are confident they can complete it on time and within your budget.

They will plan on attending the next meeting

Their website is <http://www.signalsouth.com/>

Note, the surveyor may mark the site at any time. If they need to be on railroad property, we will provide protection.

Thank you,

Jay

Jay Boggs, V & J Specialties

904 910 5648

cc Joey Gannon, signal maintainer

From: [Pat McCormies](#)

Sent: Thursday, March 17, 2016 2:19 PM

To: boggsrr@bellsouth.net

Jay, this should be all you need to qualify us.

Patrick McCormies

General Manager



Signal South

12276 San Jose Blvd Suite 525

Jacksonville, Florida 32223

Office: 904.240.1020, Ext - 3483

CELL: 904.710.2890

pmccormies@signalsouth.com

**ST MARY'S RAILROAD
BOONE STREET EXTENSION**

PROJECT TOTALS

MATERIALS TOTAL		LABOR TOTAL				
		POSITION	MAN DAYS	HOURS	RATE/HR	TOTAL
FIELD SUBTOTAL	\$51,858.35					
SHOP SUBTOTAL	\$32,850.50	CONSTRUCTION	50	500	\$45.75	\$22,875.00
FIELD MATERIAL TOTAL	\$84,718.85	WIRE SHOP	6	60	\$35.75	\$2,145.00
SHIPPING/HANDLING	\$6,283.13	TEST ENGINEER	8	80	\$45.75	\$3,660.00
TAXES (7%)	\$5,930.32	BORING	10	100	\$45.75	\$4,575.00
15% CONTINGENCY	\$12,707.83	SUBSISTENCE	50	500	\$15.00	\$7,500.00
TOTAL MATERIALS	\$109,640.13	FIELD INSTALL TOTAL				\$40,755.00

OTHER EXPENSES			ENGINEERING EXPENSES		
TASK	QTY	COST	TOTAL	TASK	TOTAL
EQUIPMENT RENTAL	7	\$750.00	\$5,250.00	SURVEY	\$8,000.00
REPLACE/INSTALL I/I'S	0	\$4,575.00	\$0.00	DESIGN	\$8,500.00
FLAGGING	7	\$750.00	\$5,250.00	ENGINEERING EXPENSES TOTAL	\$16,500.00
UTILITIES COORDINATION	1	\$3,750.00	\$3,750.00		
POWER SERVICE	1	\$1,069.00	\$1,069.00		
TOTAL			\$15,319.00		

PROJECT TOTAL

\$182,214.13

\$182,214¹³

ST MARY'S RAILROAD BOONE STREET EXTENSION

SHOP MATERIAL - (6X6)

HOUSES/CASES

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
HOUSE 8X8 WITH PTC UPGRADE COMPLETE WITH FOUNDATIONS	PTMW	TBD W/VENDOR QUOTE	\$10,500	EA	1	\$10,500.00
CASE, 3'X5" ALUM RELAY W/FARADAY CLOSET	PTMW	TBD W/VENDOR QUOTE	\$2,085.00	EA		\$0.00
TOTAL						\$10,500.00

POWER

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
PROTECTOR, SURGE 120/240V W/IND	GETS	010132-005	\$500.00	EA	1	\$500.00
KIT, 240V EMERGENCY GENERATOR PLUG (MOUNTED ON OUTSIDE OF HOUSE)	TDH SOLUTIONS	830-0023	\$230.00	EA	1	\$230.00
PLUG, TURNLOK 30A L14-30P	NEWARK	50H2874	\$45.00	EA	1	\$45.00
PROTECTOR, PANEL EPD120/240	ERICO	EPD120240TDFL	\$150.00	EA	1	\$150.00
LINK TEST INSULATED OFFSET 2-3/8"	TDH SOLUTIONS	800-0114	\$2.50	EA	6	\$15.00
REACTOR, TRACK BATTERY MODEL 5025A	GETS	250141-001	\$202.00	EA		\$0.00
CHARGER, BATTERY 20AMP	NRS	22290-10	\$430.00	EA	2	\$860.00
CHARGER, BATTERY 40AMP	NRS	22400-10	\$610.00	EA		\$0.00
CHARGER, BATTERY 30AMP	NRS	27920-10	\$780.00	EA		\$0.00
BOX, HOFFMAN 10"X8"X4" NEMA 4X	HOFFMAN	A1008CHNFSS	\$525.00	EA	1	\$525.00
HEATER, WALL 240/208V 60HZ 2000/1500W	CADET	C202	\$120.00	EA	1	\$120.00
TRANSFORMER, 750W	SIEMENS	010520-50X	\$750.00	EA		\$0.00
ENHANCER, DC SHUNT 1-Rx7100	GENESIS	8K-80049-0005	\$5,200.00	EA		\$0.00
CONVERTER, 2TC DC-DC TRACK USE W/ISLAND AND OS TRACK CIRCUITS	GETS	800-003510-000	\$548.00	EA		\$0.00
TOTAL						\$2,445.00

RELAYS

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
EXTRACTOR, RELAY TERMINAL	BILMAR	59688	\$10.00	EA	1	\$10.00
WRENCH, "E" TERMINAL POST	NEG	EDG-5951	\$25.00	EA	1	\$25.00
PLUGBOARD KIT, TYPE B1 RELAY	SIEMENS	420000-78	\$75.00	EA	6	\$450.00
RELAY, B1 470 OHM SR 4FB-2F-1B	ALSTOM	56001-778-01	\$1,164.00	EA		\$0.00
RELAY, B1 500 OHM NEUT 4FB-2F-1B	ALSTOM	56001-783-02	\$960.00	EA		\$0.00
RELAY, B1 2 OHM 4FB-2F-1B	ALSTOM	56001-921-09	\$1,067.00	EA	3	\$3,201.00
RELAY, B1 500 OHM NEUT ST	ALSTOM	56001-951-01	\$1,014.90	EA	2	\$2,029.80
RELAY, B1 500 OHM NEUTRAL PER	ALSTOM	56001-983-01	\$1,196.46	EA	1	\$1,196.46
ASSY CAP RES UNIT 3900MFD/50	GETS	250612-002	\$303.68	EA		\$0.00
TIMER, STICK RELEASE SLT-1 SPECIFY TIME	GETS	800-086000-0XX	\$540.00	EA		\$0.00
LAMP CONTROLLER, CROSSING XLC	GETS	250991-000	\$1,175.00	EA	1	\$1,175.00
PLUGBOARD, XLC	GETS	251071-100	\$101.00	EA	1	\$101.00
VITAL LOGIC, GATE VLG RELAY DRIVE (SPECIFY INPUTS/OUTPUTS)	GETS	250948-XXX	\$700.00	EA	1	\$700.00
SOCKET, RELAY POTTER BRUMFIELD FOR N68	NEWARK	46F3583	\$9.00	EA	1	\$9.00
RELAY, POTTER BRUMFIELD N68 POWER OFF	NEWARK	KHAU-17A12-240	\$39.00	EA	1	\$39.00
TOTAL						\$8,936.26

LIGHTNING/SURGE PROTECTION

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
ARRESTER, AGE-1	TBD	TBD	\$24.00	EA		\$0.00
ARRESTER LPC 15012-1 0-30V DC OR 0-24V AC RATED AT 15 AMP	BOURNS	1675-01	\$46.03	EA	30	\$1,380.90
ARRESTER, AGE-1 AIR GAP EQUALIZER	GETS	202217-000	\$25.00	EA	2	\$50.00
ARRESTER, TRACK SERIES RED LABEL 250V DC OR 175V AC	ANSALDO	N451552-0201	\$18.00	EA	4	\$72.00
LINK, TEST ASSY 1" CENTERS	TDH SOLUTIONS	800-0112	\$1.73	EA	4	\$6.92
RESISTOR, ADJUSTABLE 0.770 TO 8 OHMS	SIEMENS	029603-4X	\$75.00	EA		\$0.00
RESISTOR, ADJUSTABLE 1.53 TO 16 OHMS 15W	SIEMENS	029603-7X	\$28.00	EA		\$0.00
RESISTOR, ADJUSTABLE 0.482 TO 5 OHMS	SIEMENS	029603-2X	\$72.00	EA		\$0.00
RESISTOR, ADJUSTABLE 0.035 TO 1.5 OHMS	SIEMENS	029602-52X	\$28.00	EA	1	\$28.00
TOTAL						\$1,537.82

TRACK DRIVER/GENERATOR FOR STYLE "C" TRK CIRCUIT

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
DRIVER MODEL TD-1A TRACK STYLE "C" TRK CIRCUIT	GETS	800-003565-001	\$375.00	EA	1	\$375.00
GENERATOR MODEL ACG-2T STYLE "C" TRK CIRCUIT	GETS	800-003564-000	\$240.00	EA	3	\$720.00
TOTAL						\$1,095.00

MOTION DETECTION/PREDICTION

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
PREDICTOR, XP4 GETS 9-SLOT CHASSIS	GETS	16-222200004-00	\$28,120.00	EA		\$0.00
PREDICTOR, XP4 GETS 9-SLOT CHASSIS	GETS	16-220000004-00	\$19,500.00	EA		\$0.00
ASSY XP4 VPM-3, 2 VIO 44R	GETS	16-2204-10	\$18,264.00	EA		\$0.00
PMD-4 MOTION DETECTION 1-TRACK NON-REDUNDANT	GETS	300911-000	\$7,500.00	EA		\$0.00
PMD-4 MOTION DETECTION 1-TRACK REDUNDANT	GETS	300911-001	\$11,500.00	EA		\$0.00
PLATE, MOUNTING FOR PMD-4	GETS	028881-700	\$124.00	EA		\$0.00
ARRESTER, SURGE FOR MOTION DETECTOR MDSA-1	GETS	250204-001C	\$327.00	EA		\$0.00
ARRESTER, SURGE FOR MOTION DETECTOR MDSA-2	GETS	250204-002C	\$653.00	EA		\$0.00
TOTAL						\$0.00

EVENT RECORDER/CONTROLLER

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
RECORDER, EVENT HAWK INCLUDES ETHERNET MODEM AND CURRENT SENSOR MODULE	PROGRESS RAIL	180586-003	\$4,300.00	EA		\$0.00
CABLE, HAWK EVENT RECORDER	GETS	075002-200	\$30.00	EA		\$0.00
MICRO DATA ANALYZER II, NAS	NAS	072113-104	\$4,666.74	EA	1	\$4,666.74
CONTROLLER DTMF RADIO KEY DOWN	LARRY MCGEE	14-99005V2-B6	\$1,300.00	EA	1	\$1,300.00
KIT, CDMA AND VHF RADIO	TESSCO	397722	\$650.00	EA	1	\$650.00
TOTAL						\$6,616.74

MISC SHOP MATERIAL

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
ASSY LIGHT PO EXT-GEMS	DAYTON	TBD	\$69.23	EA	2	\$138.46
SYSTEM, 3-CAMERA WITH RECORDER	TBD	TBD	\$3,000.00	EA		\$0.00
SWITCH, TEST MAINTAINER	TBD	TBD	\$300.00	EA	1	\$300.00
SWITCH, TEST CUTOFF	TBD	TBD	\$4.72	EA	1	\$4.72
BLOCK, TERMINAL 12-WAY	TDH	800-0001	\$20.00	EA	6	\$120.00
BLOCK, TERMINAL 2-WAY	TDH	800-0002	\$5.00	EA	2	\$10.00
CONNECTOR, BUS 1" CENTER	SIEMENS	023839-69	\$10.00	EA	2	\$20.00
WIRE CASE 10 AWG FLEX	OKONITE	152-11-3038	\$0.50	FT	500	\$250.00
WIRE CASE NO 14 AWG FLEX	OKONITE	152-11-3024	\$0.28	FT	500	\$140.00
WIRE CASE NO 16 AWG FLEX	OKONITE	152-11-3002	\$0.25	FT	500	\$125.00
WIRE TW PR NO 6 AWG FLEX	OKONITE	152-11-3015	\$1.15	FT	200	\$230.00
WIRE CASE TW PR NO 10 AWG FLEX	OKONITE	152-11-3039	\$1.00	FT	200	\$200.00
WIRE CASE TW PR NO 14 AWG FLEX	OKONITE	152-11-3025	\$0.55	FT	200	\$110.00
TAG SLEEVE CRITCHLEY THERMAL TRANSFER 500/1000	BRADY	2HS-250-150-WT	\$0.22	EA	25	\$5.50
TERMINAL RING AMP 35628 YELLOW	PANDUIT	PN12-14HDR-D	\$0.30	EA	50	\$15.00
TAG SLEEVE CRITCHLEY HK095WEINF038B	BRADY	2HS-375-150-WT	\$0.27	EA	50	\$13.50
TERMINAL RING AMP 35627 BLACK	PANDUIT	PV10-14RD	\$0.20	EA	50	\$10.00
TERMINAL AMP 33465 6 STUD 1/4"	BRADY	2HS-500-150-WT	\$0.30	EA	50	\$15.00
TERMINAL AMP 33467 6 STUD 3/8	BURNDY	YAV6C-L2	\$0.50	EA	25	\$12.50
TOTAL						\$1,719.68

SHOP TOTAL	\$32,850.50
------------	-------------

**ST MARY'S RAILROAD
BOONE STREET EXTENSION**

FIELD MATERIAL

HOUSE/CASE MATERIAL

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
PLATFORM FOR 3'X5" SIGNAL CASE	PREMIER	0227081	\$250.00	EA		\$0.00
FOUNDATION FOR STEEL RELAY CASE	PREMIER	0227080	\$320.00	EA		\$0.00
ROD, GROUND 5/8IN BY 8FT	ERICO	635880	\$16.00	EA	4	\$64.00
COUPLING, BRONZE FOR GROUND ROD	ERICO	CR58	\$5.00	EA	2	\$10.00
CONNECTOR, ONE SHOT 2-WAY TYPE GT	ERICO	SBGT1161G	\$10.00	EA	2	\$20.00
WIRE, GROUND #6 SOFT DRAWN BARE COPPER	PLATT	68CSOLX315	\$0.67	FT	25	\$16.75
BOX, GROUND ROD CONNECTION ENCLOSURE	PENCELL	PE-6HDK BLA	\$12.00	EA	3	\$36.00
TOTAL						\$146.75

SIGNAL/HOUSE PLATFORMS & FOUNDATIONS

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
FOUNDATION, HELICAL 7'X10" FOR 11-11/16" BOLT SPACING	DIXIE PRECAST	TBD	\$525.00	EA		\$0.00
EXTENSION, HELICAL FOUNDATION 10'X3' USE W/XING GATE & SIGNAL MAST	DIXIE PRECAST	TBD	\$450.00	EA		\$0.00
FOUNDATION, GROUND ACCESS FOR GATE MAST	TBD	TBD	\$7,789.00	EA		\$0.00
FOUNDATION, GROUND ACCESS FOR CANTILEVER FOUNDATION	TBD	TBD	\$9,427.00	EA		\$0.00
PLATFORM, HOUSE FOR ALL HOUSES UP TO 8X8	PROGRESS	TBD	\$14,610.00	EA		\$0.00
PLATFORM, 8' FLOOD FOR ALL HOUSES UP TO 8X8 COMPLETE WITH HELICAL FOUNDATION	PROGRESS	TBD	\$19,276.00	EA		\$0.00
TOTAL						\$0.00

CABLE

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
CABLE, UG POWER 3 COND NO 6 AWG	OKONITE	112-10-3854	\$4.50	FT	150	\$675.00
CABLE, UG POWER 3 COND NO 4 AWG	OKONITE	112-10-3864	\$6.83	FT		\$0.00
CABLE, UG POWER 3 COND NO 2 AWG	OKONITE	112-10-3874	\$7.50	FT		\$0.00
CABLE, UG POWER 7 COND NO 2 AWG	OKONITE	206-11-6247	\$7.56	FT		\$0.00
CABLE, UG 3 COND NO 9 AWG	OKONITE	206-11-6923	\$2.15	FT		\$0.00
CABLE, UG 7 COND NO 9 AWG	OKONITE	206-11-6927	\$4.30	FT		\$0.00
CABLE, UG 10 COND NO 9 AWG	OKONITE	206-11-6930	\$6.00	FT		\$0.00
CABLE, UG 5 COND NO 14 AWG	OKONITE	206-11-6885	\$2.20	FT	100	\$220.00
CABLE, UG 7 COND NO 14 AWG	OKONITE	206-11-6887	\$2.73	FT		\$0.00
CABLE, UG 12 COND NO 14 AWG	OKONITE	206-11-6892	\$3.50	FT		\$0.00
CABLE, COMPOSITE 19 CONDUCTOR	OKONITE	206-11-6283	\$8.50	FT	300	\$2,550.00
FIELD CABLE TAG KIT	TBD	TBD	\$180.51	EA	1	\$180.51
TOTAL						\$3,625.51

TRACK WIRE/CONNECTION MATERIAL

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
WIRE UG TRACK TWISTED PAIR NO. 6 AWG	OKONITE	150-12-3933	\$1.83	FT	500	\$915.00
KIT BOND, CADWELD PLUS WEB OF RAIL BOND	ERICO	SBTB8U4	\$8.78	EA	105	\$921.90
KIT BOND, CADWELD PLUS HEAD OF RAIL BOND	ERICO	SB524882	\$8.78	EA	105	\$921.90
BOND STRAND 3/16" DIA 7 STRANDS OF 19	ERICO	SB58TINS664	\$1.43	FT	600	\$858.00
KIT, BOOTLEG	DWIGHT & WILSON	BLTS-8-80B	\$85.00	EA	3	\$255.00
RING 10 FOR SYLE "C" TRACK CIRCUIT	GETS	800-004080-000	\$140.00	EA	3	\$420.00
SHUNT, NBS-1	GETS	250250-XXXX	\$370.00	EA		\$0.00
ASSY, TJC-1A FINAL XXXHZ	GETS	250491-XXXX	\$850.00	EA		\$0.00
SHUNT, MULTIFREQUENCY FSS-XX	GETS	250849-00X	\$967.00	EA		\$0.00
SHUNT, WIDEBAND 1134-DZ	GETS	250121-001	\$264.00	EA		\$0.00
DUMMY LOAD, TRACK LENGTH XXX'	GETS	227032-0XX	\$120.00	EA		\$0.00
PLATE, SHUNT FOR TIE-MOUNTING TJC'S	GETS	74-91004	\$55.00	EA		\$0.00
SCREW, LAG 1/2" X 4-1/2" FOR MOUNTING SHUNT PLATES	CHANCE	508754-1/2	\$1.60	EA		\$0.00
ENCLOSURE, SHUNT	INTERRAIL	IRS-SECB	\$480.00	EA	3	\$1,440.00
TOTAL						\$5,731.80

METER SERVICE/POWER

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
LAYOUT, METER SERVICE W/25' POLE, METER SOCKET AND LOAD CENTER	INTERRAIL	IPNMP100-25	\$1,700.00	EA		\$0.00
LAYOUT, METER SERVICE W/30' POLE AND BREAKER BOX	INTERRAIL	IPNMP100-30	\$1,850.00	EA	1	\$1,850.00
BREAKER, 100A 2-POLE	SQUARE D	TBD	\$20.00	EA	1	\$20.00
BATTERY, 160AH LEAD ACID ELM-160	NRS	403762-CW	\$280.00	EA		\$0.00
BATTERY, 240AH LEAD ACID ELM-240	NRS	403764-CW	\$320.00	EA		\$0.00
BATTERY, 340AH LEAD ACID ELM-340	NRS	403765-CW	\$365.00	EA		\$0.00

BATTERY, 710AH LEAD ACID ELM-710	NRS	TBD	\$655.00	EA		\$0.00
BATTERY, 165AH POCKET PLATE NICKEL CADMIUM	SAFT	SPL130	\$285.00	EA		\$0.00
BATTERY, 250AH POCKET PLATE NICKEL CADMIUM	SAFT	SPL250	\$395.00	EA	10	\$3,950.00
BATTERY, 340AH POCKET PLATE NICKEL CADMIUM	SAFT	SPL340	\$492.85	EA	9	\$4,435.65
BATTERY, 380AH POCKET PLATE NICKEL CADMIUM	SAFT	SPL380	\$515.00	EA		\$0.00
TRAY PVC BATT 24"	FIBER-CO	82687-1-P	\$35.00	EA	2	\$70.00
TRAY PVC BATT 38"	FIBER-CO	82687-3-P	\$50.00	EA	2	\$100.00
TOTAL						\$10,425.65

INSULATED JOINTS

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
JOINT, INSULATED PREMIUM 136RE	LB FOSTER	53641	\$1,800.00	EA		\$0.00
STOCK, RAIL 136RE 39"	A&K RAILROAD	136-LB A.R.E.A. RAIL	\$1,661.64	EA		\$0.00
NON-INS JOINT BAR NEW	A&K RAILROAD	TBD	\$400.00	EA		\$0.00
INS-JOINT BAR NEW	A&K RAILROAD	TBD	\$420.00	EA	8	\$3,360.00
WELD, FIELD COMPLETE 136RE	RAILTECH BOUTET	6602551360	\$300.00	EA		\$0.00
TOTAL						\$3,360.00

PRE-EMPTION

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
BOX, JUNCTION 8-WAY	INTERRAIL	IRPSBDJB-8W	\$320.00	EA	1	\$320.00
BOX, JUNCTION PREEMPTION HOUSE MOUNT	L&W	3A7306-X	\$585.00	EA		\$0.00
TOTAL						\$320.00

CROSSING MATERIAL - FLSC

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
MECHANISM, GATE 3593E 2-WIRE CONTROL 6 CONTACT WITH CONDUIT KIT	WCH	3593-E-131-MI	\$3,810.00	EA	2	\$7,620.00
ARM, SIDEWALK GATE HIGH-INTENSITY FIBERGLASS COMPLETE WITH LED LIGHTS 11'-16'	WCH	38-0026-224	\$430.00	EA		\$0.00
ARM, GATE HIGH-INTENSITY FIBERGLASS COMPLETE WITH LED LIGHTS UP TO 18'	WCH	38-2501-50	\$537.00	EA		\$0.00
ARM, GATE HIGH-INTENSITY FIBERGLASS COMPLETE WITH LED LIGHTS 19'-23'	WCH	38-2502-56	\$637.00	EA		\$0.00
ARM, GATE HIGH-INTENSITY FIBERGLASS COMPLETE WITH LED LIGHTS 24'-28'	WCH	38-2502-60	\$737.00	EA	2	\$1,474.00
ARM, GATE HIGH-INTENSITY FIBERGLASS COMPLETE WITH LED LIGHTS 29'-32'	WCH	38-2502-70	\$837.00	EA		\$0.00
COUNTERWEIGHT PACKAGE, ALUMINUM FOR ARMS UP TO 28'	WCH	CTWT-AL-28	\$1,376.00	EA		\$0.00
COUNTERWEIGHT PACKAGE, ALUMINUM SHORT COUNTERWEIGHT FOR ARMS UP TO 24'	WCH	CTWT-AL-24 SQ	\$1,707.00	EA	2	\$3,414.00
GATE-GARD ADAPTER, BI-DIRECTIONAL	WCH	D-1074	\$1,895.00	EA	2	\$3,790.00
TOOLS, ADJUSTMENT INCLUDES GATE TORQUE WRENCH	TBD	TBD	\$375.00	EA	1	\$375.00
DIODE, GATEARM TIP LIGHT REC	TBD	TBD	\$110.00		2	\$220.00
HEATER, GATE MECH 115VAC W/THERMOSTATS	WCH	017155-006	\$110.14	EA	2	\$220.28
BELL, ELECTRONIC FITS 4" OR 5" MAST 8-13 VOLTS	GSI	EB-3-360-5	\$211.32	EA	2	\$422.64
BELL, GONG STYLE	TBD	TBD	\$225.73	EA		\$0.00
SIGN, ROAD CROSSING CROSSBUCK ALUMINUM	TBD	TBD	\$75.00	EA	2	\$150.00
TIP, FLEX HIGHWAY CROSSING GATE 24"	MARCUM	RAC-230RFK	\$120.00	EA	2	\$240.00
BRACKET, HIGH WIND FOR GATES 24-28FT 5" MAST	WCH	3565-180	\$85.00	EA	2	\$170.00
ASSY LEG BUFFER W/MOUNTING BRKT AND HARDWARE	NEG	NEG-130B	\$80.00	EA		\$0.00
FOUNDATION, GALVANIZED STEEL FOR GATES	WCH	1181-9	\$350.00	EA	2	\$700.00
TOTAL						\$18,795.92

CROSSING MATERIAL - FLASHER ASSEMBLIES

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
ASSEMBLY, FLASHER COMPLETE LED WITH 1-WAY CROSSARM	WCH	TBD	\$1,850.00	EA		\$0.00
ASSEMBLY, FLASHER COMPLETE LED WITH 2-WAY CROSSARM	WCH	TBD	\$2,250.00	EA		\$0.00
FOUNDATION, GALVANIZED STEEL FOR FLASHERS	TBD	TBD	\$299.69	EA		\$0.00
TOTAL						\$0.00

CROSSING MATERIAL - CANTILEVER ASSEMBLIES

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
CANTILEVER 16' WITH 2-WAY MAIN MAIN MAST, 1-WAY SIDE STREET, 2-WAY TIP AND HARDWARE	PROGRESS RAIL	AS QUOTED	\$12,038.00	EA		\$0.00
CANTILEVER 35' WITH 2-WAY MAIN MAST, 1-WAY SIDE STREET, 2EA 1-WAY LANE, 2-WAY TIP AND HARDWARE	PROGRESS RAIL	AS QUOTED	\$23,896.00	EA		\$0.00
FOUNDATION, CONCRETE 5'-10" FOR CANT ARMS UP TO 30'	DIXIE PRECAST	DP4-B	\$4,421.00	EA		\$0.00
BELL, ELECTRONIC	PROGRESS RAIL	9455000154	\$283.00	EA		\$0.00
PINNACLE, 10" W/ 5" BELL MOUNTING	PROGRESS RAIL	9463000113	\$67.00	EA		\$0.00
SCREWS, PINNACLE SET	PROGRESS RAIL	9454003810	\$1.00	EA		\$0.00
FOUNDATION, CONCRETE 5'-6" FOR CANT ARMS 31'-40'	DIXIE PRECAST	DP8-B	\$6,550.00	EA		\$0.00
TOTAL						\$0.00

CROSSING MATERIAL - LIGHTS AND SIGNS

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
SIGN, MULTIPLE TRACKS "2 TRACKS" COMPLETE WITH HARDWARE AND 10-1/2" EXTENSION ARMS	WCH	3368-770-C-2-811-5	\$45.00	EA		\$0.00
SIGN, MULTIPLE TRACKS "3 TRACKS" COMPLETE WITH HARDWARE AND 10-1/2" EXTENSION ARMS	WCH	3368-770-C	\$45.00	EA		\$0.00
KIT, LED UPGRADE FOR GATE ARMS 16'-42'	RAILWAY EQ CO	9298-1120	\$200.00	EA		\$0.00
SIGNAL, 1-WAY CROSSARM WITH 12" LED SIGH ASSY FOR MAIN MAST	SIEMENS	042003-MLED121W	\$2,306.00	EA		\$0.00
SIGNAL, 1-WAY CROSSARM WITH 12" LED SIGH ASSY FOR T/P	SIEMENS	042003-ALED121W	\$2,269.00	EA		\$0.00
SIGNAL, 2-WAY CROSSARM WITH 12" LED SIGH ASSY	WCH	975-804-5-1-MF	\$1,698.00	EA	4	\$6,792.00
NO RIGHT TURN SIGN & MOUNTING, LED	TBD	TBD	\$75.45	EA		\$0.00
NO LEFT TURN SIGN & MOUNTING, LED	TBD	TBD	\$75.45	EA		\$0.00
SIGN, EMERGENCY NOTIFICATION	TBD	TBD	\$75.00	EA	2	\$150.00
SIGN, NO TURN MAST MOUNT WITH HARDWARE	TB	TBD	\$2,600.00	EA		\$0.00
					TOTAL	\$6,942.00

MISC FIELD MATERIALS

DESCRIPTION	VENDOR	VENDOR P/N	COST	UNIT	QTY	TOTAL COST
NUT, RSA CONE SHAPE	SIEMENS	023831	\$0.15	EA	20	\$3.00
NUT, HEX CLAMP (FLAT NUT)	SIEMENS	023832	\$0.12	EA	100	\$12.00
WASHER, ROUND COPPER FOR AAR	SIEMENS	023834	\$0.11	EA	100	\$11.00
SEALANT, FOAM CASE OF 12	HILTI	314722	\$145.00	EA	1	\$145.00
CONDUIT, 4IN RIGID SCH 80 10' SECTION	ANIXTER	49415-010	\$4.60	FT	25	\$115.00
CONDUIT, 2IN RIGID SCH 80 10' SECTION	ANIXTER	49411-010	\$1.70	FT	10	\$17.00
SHEATHING CLAMP FOR UG WIRE	AMP	329860	\$0.35	EA	14	\$4.90
LOCK, AMERICAN H10 SERIES	AMERICAN LOCK	PER RR SPECIFICATIONS	\$25.00	EA	4	\$100.00
LOCK, HEXAGON/SPANNER SCREW HEAD TYPE W/O CHAIN (RACO)	INTERRAIL	IRP-LK	\$25.00	EA		\$0.00
TAPE, ELECTRIC 3/4" X 66'	ALLIED ELECTRONICS	70113842	\$5.94	EA	3	\$17.82
CONCRETE CROSSING, OMNI ECR TYPE - 8.125' PANELS	OMNI	TBD	\$195.00	FT		\$0.00
PIPE, BORE	TBD	TBD	\$30.00	FT		\$0.00
REMOVAL, POLELINE PER POLE	N/A	N/A	\$300.00	EA		\$0.00
ROCK, FILL	TBD	TBD	\$55.00	CY	20	\$1,100.00
DRESSING, ROCK	TBD	TBD	\$45.00	CY	10	\$450.00
WALL, RETAINING 4' HIGH 5' LONG WITH HAND RAILS	DIXIE PRECAST	TBD	\$950.00	EA		\$0.00
WALL, RETAINING 6' HIGH 5' LONG WITH HAND RAILS	DIXIE PRECAST	TBD	\$1,500.00	EA		\$0.00
RAIL, GUARD	TBD	TBD	\$75.00	LF		\$0.00
INSULATION, SWITCH INCLUDES RODS AND GAUGE PLATES	TBD	TBD	\$5,000.00	LOT		\$0.00
INSULATION, SWITCH EXCLUDES RODS AND GAUGE PLATES	TBD	TBD	\$150.00	EA		\$0.00
TIE, DAPPED	TBD	TBD	\$575.00	EA		\$0.00
GROUND CLEARING AND VEGETATION CONTROL	N/A	N/A	\$500.00	JOB	1	\$500.00
STEP STOOL FOR HOUSE	TBD	TBD	\$35.00	EA	1	\$35.00
BROOM FOR HOUSE	TBD	TBD	\$10.00	EA	1	\$10.00
LUG RNG 1/4" 12-10AWG INS BLK	TBD	TBD	\$0.64	EA		\$0.00
LUG RNG 1/4" 6AWG AMP ONLY	TBD	TBD	\$0.15	EA		\$0.00
					TOTAL	\$2,520.72

FIELD TOTAL \$51,868.35



Resumes

Jim Munkers | President

As President of Signal South, LLC, Jim Munkers has over 40 years of signal experience, including 17 years as the Vice President of Engineering Quality at Southwest Signal Engineering, which later became Xorail. There, he was instrumental in the development of the quality processes which were foundational to the company's success.

Mr. Munkers began his railroad career in 1972 at Harmon Electronics, later moving to Electro Pneumatic Corporation as an Applications Engineer. In 1984, he joined Union Pacific Railroad as a Signal Supervisor, where he stayed for 7 years prior to joining Southwest Signal.

Relevant Work Experience

- ☐ CSX Quality Assurance
- ☐ Norfolk Southern Quality Assurance
- ☐ BNSF Quality Assurance
- ☐ Union Pacific Quality Assurance
- ☐ NICTD Quality Assurance (with Southwest Signal)



Resumes

Patrick McCormies | General Manager

Patrick McCormies is General Manager at Signal South. Mr. McCormies brings over 32 years of diverse signal experience to Signal South, starting his career as a signalman on the Union Pacific Railroad and capping his UP career as an Electronic Technician at the Harriman Dispatch Center.

In 1997, Mr. McCormies joined Southwest Signal Engineering as a Signal Designer and Programmer before becoming the Sr. Director of Engineering with responsibility for the CSX account.

Mr. McCormies' role at Signal South is the coordination of Administration, Design, Programming and Survey, as well as project layout and review.

Relevant Work Experience

- ❑ Sun Rail Central Florida Commuter Line
 - Managed Design & QC Processing and Audited Distribution & As-Built Drawings
- ❑ Massachusetts Coastal Railroad
 - Provided Bid and Managed Design, Distribution, and As-Built Drawings
- ❑ CSX PTC Projects
 - Oversees Internal Support for Management Team
- ❑ CSX Public Projects
 - Oversees Internal Support for Management Team



Resumes

Cliff Rhoades | Director of Wayside Design

Cliff Rhoades brings 9 years of experience in the signaling industry, and has worked on design projects for several railroads, including CSX, KCS, and Amtrak. He has been involved with the design and implementation of PTC solutions for CSX for several years, and has provided engineering for wayside and crossing locations over many subdivisions.

Mr. Rhoades' duties include surveying, hardware design for preliminary and final engineering, field support, WIU mapping, and project management. He currently oversees the design and implementation of PTC solutions for the CSX group at Signal South.

Relevant Work Experience

- Designer on Amtrak Michigan Line ITCS Upgrade Project (with GE Transportation)
- Lead Design on the Following CSX PTC Projects:
 - Columbia Subdivision (M.P. S-363.00 to 461.00)
 - A&WP Subdivision (M.P. XXB-16.29 to 171.80)
 - Lakeland Subdivision (M.P. A-851.80 to 872.63)
 - Monon Subdivision (M.P. 00Q-25.50 to 148.37)
 - Yeoman Subdivision (M.P. S-808.00 to 839.20)
 - Tampa Terminal Subdivision (M.P. A-873.00 to 881.65)
 - M&M Subdivision (Bridge Elimination & Track Realignment at NE Vera)



Resumes

Ben Vorwaller | Director of Wayside Design

Benjamin Vorwaller brings over 10 years of diverse signal experience to Signal South, starting his career in 2005 as a signal production assistant at Southwest Signal Engineering and capping his SWE career as a Team Leader on the NS account, responsible for 3 engineers and 2 CAD operators.

In 2012, Mr. Vorwaller joined Siemens Rail Automation as a Signal Engineer before becoming a QA checker and Lead Engineer on the NS account with Signal South. Mr. Vorwaller's role at Signal South is coordinating hardware design, programming and field support as well as project layout and review for multiple class 1 customers.

Relevant Work Experience

- Lead Design on the Following NS PTC Projects:
 - NS Chicago Line – Whiting IN (M.P. CD-497 to 510)
 - Upgrade to VHLC and EC4.
 - Project Included: CP 502 (60 + Possible Routes), 503 (50 + Possible Routes), and 505.
 - NS Lake Erie District – Conneaut, OH (M.P. B-9 to 172)
 - Upgrade 30+ Controlled Locations and 40+ Intermediates to be PTC Ready. Replace Obsolete Equipment with New Bungalows and GE IXS Units.
 - CN Chicago Sub (M.P. CHI-2 to 122)
 - Upgrade All Wayside Signal Locations to be PTC Ready. Replace Obsolete Equipment with GE IXS If Necessary.
 - CN Centralia Sub (M.P. CEN-253 to 363)
 - Upgrade All Wayside Signal Locations to be PTC Ready. Replace Obsolete Equipment with GE IXS If Necessary.



Resumes

Tom Altman | Director of Programming

Tom Altman is Director of Programming at Signal South. As an MBA, Mr. Altman has 21 years of experience in railroad signal design and programming. Beginning his signal career in 1992 as a Signal Designer with Southwest Signal Engineering, Mr. Altman graduated from Application Programmer to Manager of Engineering, and eventually became V.P. of Engineering in 2006.

After assisting in the sale of Southwest in 2008, Mr. Altman became Director of Small Systems for Ansaldo STS USA, Inc. where he built the Jacksonville engineering team.

Mr. Altman has executed projects for railroads such as CSX, NS, Valle Brazil, UP, and railroads throughout the U.S. and Canada. He is proficient in Microlok II, VHLC, VPI, legacy Electrocode, ElectrologIXS, GEO, and programmable logic controllers.

Relevant Work Experience

- ❑ Currently Oversees all Programming Efforts at Signal South for CSX, Norfolk Southern, and Canadian National Projects
- ❑ Lead Designer on all Aboard Florida Early Work Packages



Resumes

Bob Currie | Director of Construction Management & Safety

Bob Currie has over 32 years of experience directing project & program installations, testing, inspection, maintenance, and ensuring reliability of highway grade crossings & wayside control systems.

He has extensive experience in the management of general supervisors, supervisors, and signal crews on the installation of train traffic control systems and highway grade crossing systems on rail lines, both Class 1 and shortline. Bob assists with signal design, plan checking, and field surveys for design and project job bidding.

Mr. Currie is knowledgeable with Signal FRA rules, regulations and record keeping. He is well-versed in the application and operation of various types of signal control systems and implementing FRA highway crossing signal maintenance procedures.

Relevant Work Experience

- ☐ Field Support and Quality Assurance for all Sun Rail Projects
- ☐ Design and Quality Assurance for all Aboard Florida Early Work Packages
- ☐ Field Support and Quality Assurance for Massachusetts Coastal Projects
- ☐ Quality Assurance for CSX PTC and Public Projects Designs



2016 Double Track Engineering Project



Resumes

Michael Vorwaller | Project Manager

Michael Vorwaller is a Project Manager at Signal South with 11 years of experience in railroad signal design. He currently manages over 20 active CSX PTC wayside signal projects.

Mr. Vorwaller's roles at Signal South include the coordination of site surveys, preliminary & final engineering, estimates & materials, cutovers, and as-in-service procedures.

Before his career with Signal South, Mr. Vorwaller worked with Xorail in Jacksonville, FL from 2005 to 2014 as an Estimator.

Relevant Work Experience

- ☐ Currently Manages all CSX PTC Projects
- ☐ Coordinates Materials Estimating and Ordering for all In-House Projects



2016 Double Track Engineering Project



Resumes

Heather Collingwood | Manager of Public Projects

Heather Collingwood is Manager of Public Projects at Signal South. Ms. Collingwood's roles include the quality check of completed surveys, scheduling of resources and field personnel, maintaining of project budgets, developing departmental work procedures, and overseeing billing activities & financial reporting for all accounts.

Before working with Signal South, Ms. Collingwood was a Project Manager at Xorail in Jacksonville, FL from 2006 to 2014, managing an average of 85 active projects per year.

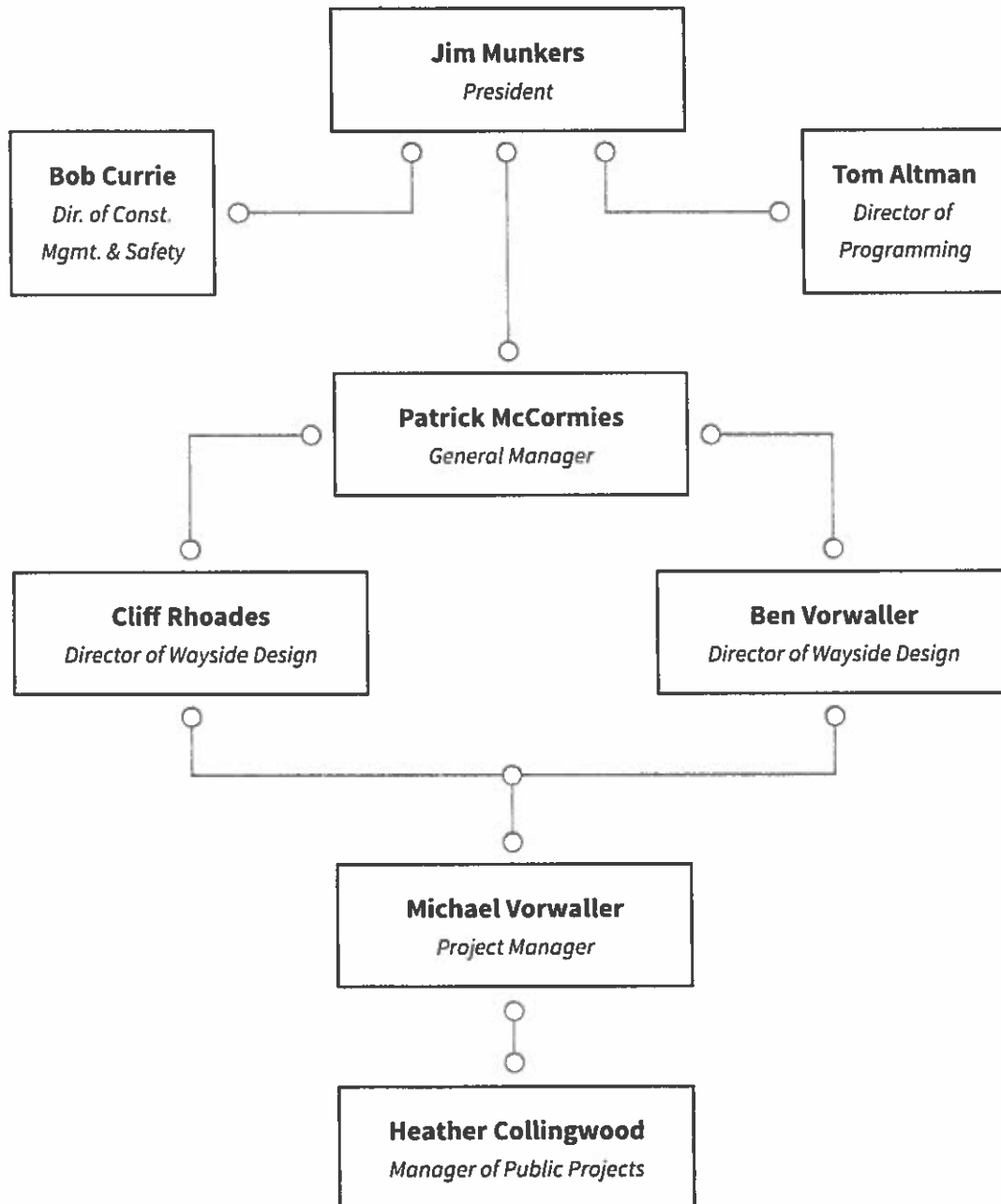
Ms. Collingwood also oversees public projects through survey, design distribution, power management, and construction inspection. Signal South has performed 75 public projects in 2014, in IL, MI, MN, NY, VT, NH, OH, PA, IN, TN, and NC, 119 public projects in 2015 in all the states listed in 14, plus GA, VA, MD, WV, KY, and FL, and we have have approximately 30 projects assigned to date.

Relevant Work Experience

- ❑ SR 1709 Hodges Chapel Rd NC2014043
- ❑ NC 46 NC2014040
- ❑ SR 1351 Olivers Grove Road NC2014041
- ❑ SR 1811 Nantucket Road NC2014042
- ❑ 5th & 6th Street IL2015018 & 018A
- ❑ 12 Mile Road/Schultz Road/Martindale St/Alpine St - Michigan - Marquette Rail (GWRR)
- ❑ US 231 - Indiana - Indiana Southern Railroad (GWRR)



Organizational Chart





Similar Projects

Sunrail Central Florida Commuter | Orlando, FL

Sunrail is a federally-funded, PTC-compliant 32 mile commuter system in Central Florida, comprised of 17 stations, 15 control points, 27 intermediate signals, and 78 grade crossings. The track circuit system is based on Electro code with US&S Microlok controllers. Crossing warning detection systems are primarily GE XP-4 units, which were designed and programmed in-house.

The team provided design, quality checking, software development, project management, and contract administration of this project. Signal South currently employs Bob Currie, a former CSX signal manager who had oversight on the Sunrail project while working for Railroad Controls, Ltd.

All Aboard Florida (AAF) Early Work Packages | Ft. Lauderdale Station & West Palm Beach Station

The preliminary work package included upgrading crossing designs for six streets to accommodate the construction of the AAF Ft. Lauderdale Station facility. This work included the relocation and re-cabling of existing train detection equipment, signal houses, crossing gates and masts, cantilevers, and pedestrian gates. In some cases, the design required the installation of new gates and houses to comply with current standards.

Work included three crossings that were removed and closed, requiring extensive design modifications to the neighboring crossings.



Similar Projects

CSX | PTC Wayside and Crossing Obsolescence Projects

Currently still in process, our PTC obsolescence projects entail replacing non-PTC compliant and obsolescent equipment on over 350 miles of CSX mainline track. These projects utilize both new and existing signaling and grade crossing control equipment, new PTC and wayside communication systems, as well as new signals, ground equipment and structures.

Our role consists of preliminary conceptual design, materials and labor estimating, project management, detailed wayside and grade crossing engineering, software development, simulation and testing, field support, and updating finalized as-built plans.

CSX | Public Crossing Projects

Our Public Projects team surveys, designs, and implements system-wide crossing design, ranging from simple style-C flasher locations to complex multi-track constant warning locations with DAXing and pre-emption. Our expertise includes crossing-dense areas requiring frequency analysis and safety-critical overlapping frequency design. Our design team also has experience with unique situations such as exit gates, loop detectors, and quiet zone designs.

We have a dedicated team which covers the eastern U.S. and provides detailed crossing surveys. We can also provide inspectors to verify compliance once a crossing has been placed in-service.

Cheek, Robbie

From: boggsrr@bellsouth.net
Sent: Monday, March 14, 2016 5:14 PM
To: Cheek, Robbie
Subject: Fw: St. Mary's Railroad - KINGSLAND, (Camden), GA - Middle School Road Extension (@ Boone Street) - DOT# TBA - RR MP. 7.20
Attachments: SM - Middel Scool Road Extension (@ Boone Street) - XRL Construction Quote.pdf

Good afternoon Robbie,
 Quoted from Xorail, a well established co.

Jay

\$191,134⁵⁰

From: t.frank@xorail.com
Sent: Monday, March 7, 2016 1:50 PM
To: 'boggsrr@bellsouth.net'
Cc: Crawford, Ron, Stormont, Edward, h.rhyne@xorail.com, Kasper, Andrew

Mr. Boggs,

Xorail is pleased to provide to you the Turnkey Project Quote for work as described within your 02/03/2016 Invitation to Bid request for the subject project.

I have provided in the attached document a formal proposal letter and "Lump Sum" quote for the work described, as you have requested.

If the quote price from Xorail is acceptable, upon award, we will immediately prepare and submit the Contract Agreement and insurance documents for your review and approval to proceed with the work and immediate requisition of materials.

We are very excited and pleased to have this opportunity to work with the St. Mary's Railroad to successfully complete this project.

Please feel free to contact me if you have any questions.

Thank you,

Terry J. Frank
Director of Engineering



5011 Gate Parkway
 Building 100, Suite 400
 Jacksonville, FL 32256
 Office: 904.443.0083
 FAX#: 904.443.0089

DID#: 904.596.1213

Mobile: 904.477.2103

E-Mail: t.frank@xorail.com

Web: www.xorail.com

This e-mail and any attachments are confidential. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

This email and any attachments are only for use by the intended recipient(s) and may contain legally privileged, confidential, proprietary or otherwise private information. Any unauthorized use, reproduction, dissemination, distribution or other disclosure of the contents of this e-mail or its attachments is strictly prohibited. If you have received this email in error, please notify the sender immediately and delete the original. Neither this information block, the typed name of the sender, nor anything else in this message is intended to constitute an electronic signature unless a specific statement to the contrary is included in this message.



5011 GATE PARKWAY
 BUILDING 100, SUITE 400
 JACKSONVILLE, FLORIDA 32256
 PHONE: 904-443-0083
 FAX: 904-443-0089

March 7, 2016

Mr. Jay Boggs
 Test Engineer
 V & J Specialties – On behalf of St. Mary's Railroad
 3289 Country Oaks Ct.
 Orange Park, FL. 32065

**Subject: Invitation to Bid – Grade Crossing Warning Signal Installation
 St. Mary's Railroad
 Kingsland, (Camden), GA
 Middle School Road Extension @ Boone Street
 DOT# New Grade Crossing
 RR MP. 7.83±**

Dear Mr. Boggs:

Xorail (XRL) is pleased to submit this proposal to the St. Mary's Railroad, LLC for the design, material, and construction installation for the rail-highway at-grade crossing referenced above as a "turnkey" project. We have extensive experience with crossing and wayside signal design and construction, and are excited about this opportunity. This proposal provides you with our approach to this project.

Project Experience:

Xorail has successfully completed similar projects for a number of Class 1 and Short Line railroads. Our current staff of over 500 employees includes former railroad signal personnel with over 3,000 years of combined signal experience. In the past 23 years we have completed over 30,000 signal projects.

Quality Assurance:

We have established quality assurance procedures to guide us in our efforts and provide you with the quality work you expect. Our Quality System is structured to meet and exceed the requirements specified in the Association of American Railroads' M-1003, Manual of Standards and Recommended Practices; Section J, Specification for Quality Assurance.

Responsiveness:

We will be responsive to your needs throughout the duration of the project and will communicate with you to ensure your expectations are being met.



Proposed Cost:

XRL will provide the requested engineering and construction services for the crossing identified as **St. Mary's Railroad - Kingsland, (Camden), GA – Middle School Road Extension @ Boone Street - DOT# TBA – New Crossing - RR MP. 7.83±** for the Lump Sum turnkey project cost of **\$191,134.50.**

Project Approach

XRL understands this will be (1) project crossing location (Middle School Road Extension), which will consist of Installation of new Automatic Rail-Highway Warning Device System to include new Flashers and Gates, Style "C" (or equivalent) Crossing Control Circuitry, Equipment Shelter, and all ancillary system equipment. We understand that there are (2) adjacent Crossings which will not require interconnected circuitry with the project crossing (West – Haddock Road (Scruffy Bluff Road) – DOT# 837170J – RR MP. 8.20 , and East – Camden Woods Pkwy (Ind. Blvd.) – DOT# 903759S – RR MP. 7.10). We understand the project location will be designed for a scheduled speed of twenty five miles per hour utilizing AC-DC Style C (or equivalent) Track Circuits.

XRL will perform all engineering, submit all shop drawings, and provide product submittals to ensure that you are in agreement that we are complying with the specifications. Once the engineering plans and submittals are approved, XRL will perform material procurement, wire the bungalow, factory test and inspect all material, and then ship in containers to the field for installation.

EXPECTED SERVICES TO BE PROVIDED BY XORAIL

- Project is to be complete Turnkey type project. All cost is included in bid quote.
- Provide AAR compliant shop wired and tested 6'x6' House (or sufficient size necessary) with Style "C" Control equipment, Chargers, Relays, etc. ("complete"). To be place in the appropriate quadrant that will be established with sufficient fill and stabilization to support the shelter.
- Complete FRA compliance test of crossing warning system. Final Test Forms will be retained in Equipment shelter.
- Coordinate new AC Meter service installation and connection with existing Power Service Provider to new Equipment Shelter.
- New Cadd Files for project location only to be generated by contractor and provided to St. Mary's Railroad at project completion and acceptance.
- Contractor will prepare draft agreement between St. Mary's Railroad and Xorail upon quote approval and award.
- Xorail will provide standard Insurance/indemnity as specified in project agreement for this project upon award and agreement execution.
- Minimum warranty to be included is 90 days labor and 1 year parts.
- Insurance Certificate to be furnished by Contractor upon award and agreement execution.
- Quote is to be a "Lump-Sum" basis, and inclusive of all cost for the services described herein.



- Once award of the project has been provided, a schedule of work will be prepared based on the material lead times and schedule of work. Current Lead Times for material are 90-100 days.
- All information and documentation exchanged between Xorail and St. Mary's Railroad (or their Consultant or Contractor), including this bid quote, are considered confidential and is not approved for reproduction, distribution, or public or private dissemination without the expressed written consent of both parties.

INFORMATION CONFIRMED FROM ST. MARY'S RAILROAD

- St. Mary's Railroad does not have any standards, guidelines, or specifications to be furnished or applicable for use with this project. Project must be AAR Compliant.
- St. Mary's Railroad will furnish Cadd Files and/or Prints of existing project location and all adjacent or affected additional Railroad facilities upon award of the project. Contractor will furnish Cadd files for project location only under this bid quote.
- St. Mary's Railroad will provide upon award all railroad information needed, including Timetable, Track Charts, Railroad Logo (for Plans), Val Maps (Property), and any additional information necessary or pertinent to the project work required.
- Design and installation is for Cabinet, Control Circuitry, and Warning Devices are to be installed and tested as a complete turkey system installation complete..
- Design should be for 25 mph Train speeds. 2 trains per day, Dark territory.
- St. Mary's Railroad will be responsible for all necessary permitting or licensing applicable to this project.
- Xorail will furnish and supply all Equipment Shelter Lock(s) (Hex Nut Type) as needed for project work.
- St. Mary's Railroad will furnish and supply all Flagging, inspection and acceptance at installation completion and proof of all applicable FRA test passed.
- St. Mary's Railroad will furnish coordinate and perform Pre-Emption Testing of Traffic Interconnect circuit with roadway agency as needed or required.

XRL appreciates the opportunity to provide this quote for crossing installation services and is looking forward to working with St. Mary's Railroad on this and future opportunities.

Sincerely,

Terry J. Frank
Director of Engineering
 5011 Gate Parkway
 Building 100, Suite 400
 Jacksonville, FL 32256
 Office: 904.443.0083
 FAX#: 904.443.0089
 DID#: 904.596.1213
 Mobile: 904.477.2103
 E-Mail: t.frank@xorail.com
 Web: www.xorail.com

Cheek, Robbie

From: boggsrr@bellsouth.net
Sent: Monday, March 14, 2016 5:16 PM
To: Cheek, Robbie
Subject: Fw: Middle School Road
Attachments: Copy of Middle School Road.xls

Good afternoon Robbie,
Quoted from Interrail, another well established co.

Jay

\$216,020 ⁸⁹

From: Adam Kelley
Sent: Tuesday, March 1, 2016 4:31 PM
To: JAY BOGGS

----- Forwarded message -----

From: "Mike Hutson" <mike_hutson@interrail-signal.com>
Date: Mar 1, 2016 16:19
Subject: Middle School Road
To: "Adam Kelley" <adam_kelley@interrail-signal.com>
Cc:

Here you go.

St Mary's R R

Middle School Road

FORCE ACCOUNT ESTIMATE

EFFECTIVE DATE: 04-8-2014

DOT #:

STATE PROJECT #:

MP 8.5

OP #:

CONTRACTOR: INTERRAIL

LOCATION NAME: Middle School Road

ESTIMATE #: 1

LOCATION DESCRIPTION: INSTALLATION OF Cantilever Flasher, SCX1 with 40 amp controller in 6x6 shelter

QTY	ITEM	DESCRIPTION	COST
1	MATERIAL	SHOP MATERIAL	\$31,748.99
1	MATERIAL	CONSUMABLES MATERIAL	\$1,765.00
1	MATERIAL	FIELD MATERIAL	\$105,763.20
1	MATERIAL	SUB TOTAL MATERIAL	\$139,277.19
1	TAX	SALES TAX	\$8,704.82
1	FREIGHT	5% OF MATERIAL	\$6,963.86
		GRAND TOTAL MATERIAL	\$154,945.87
DAYS	LABOR	DESCRIPTION	COST
80	CONSTRUCTION	1 MANDAY = 10 HOUR WORKDAY PER MAN = \$350.00 PER MANDAY	\$28,000.00
12	SHOP	1 MANDAY = 10 HOUR WORKDAY PER MAN = \$350.00 PER MANDAY	\$4,200.00
85	MEALS & LODGING	SUBSISTENCE FOR CONSTRUCTION FORCES - \$95.00 PER DAY	\$8,075.00
5	SUPERVISION	INTERRAIL IN SERVICE TESTING AND SUPERVISION @ \$90.00 PER HOUR	\$4,500.00
	BORING-FT 100	@ \$50 PER FOOT	\$5,000.00
		TOTAL MANPOWER	\$49,775.00
DAYS	ITEM	DESCRIPTION	COST
8	BACKHOE	4 WHEEL DRIVE	\$1,600.00
0	DUMP TRUCK	2-1/2 TON	\$0.00
8	TRUCK & TRAILER	Utility Truck with tools	\$1,200.00
8	BOOM TRUCK	75' HYDRO-BOOM	\$1,600.00
0	60 HP TRENCHER	HERTZ/VERMEER	\$0.00
16	TRUCK & TRAILER	EQUIPMENT TRUCK AND TRAILOR	\$2,400.00
0	AIR COMPRESSOR	350 CFM COMPRESSOR W/PAVEMENT BREAKER JACKHAMMER	\$0.00
0	DUMPSTER	REFUSE CONTAINER AND DISPOSAL FEE PER MONTH	\$0.00
0	PORT-A-JON	PORTABLE REST ROOM PER MONTH	\$0.00
		TOTAL EQUIPMENT	\$6,800.00
		UP-TO-DATE PLANS	\$1,500.00
		CONTRACT ENGINEERING	\$3,000.00
		P&L- CROSSING TOTAL ESTIMATED Signal COST	\$216,020.87

NOTE: THIS ESTIMATE DOES INCLUDE INSTALLATION OF POWER SERVICE, PLACING SYSTEM IN SERVICE. Does not include any aid to construction for A.C.power.

DISCLAIMER: THIS ESTIMATE SHOULD BE CONSIDERED VOID ONE YEAR FROM THE DATE OF ESTIMATE. IT DOES NOT LABOR AND MATERIAL FOR AC POWER OR ANY OTHER UTILITY AID TO CONSTRUCTION.