



CITY OF JACKSONVILLE BEACH
FLORIDA

MEMORANDUM TO:

The Honorable Mayor and
Members of the City Council
City of Jacksonville Beach, Florida

Council Members:

The following Agenda of Business has been prepared for consideration and action at the Regular Meeting of the City Council on **Monday, August 5, 2013, at 6:00 P.M. in the Council Chambers, 11 North Third Street, Jacksonville Beach, Florida.**

Opening Ceremonies: Invocation
Salute to the Flag

Roll Call

1. **APPROVAL OF MINUTES:**

- Regular City Council Meeting held July 15, 2013

2. **ANNOUNCEMENTS:**

3. **COURTESY OF THE FLOOR TO VISITORS:**

4. **MAYOR AND CITY COUNCIL:**

5. **CITY CLERK:**

6. **CITY MANAGER:**

- (a) Reject Bid Number 1213-10 "Palm Valley Road Overhead Feeder Rebuild Phase 3"
- (b) Approve a Draw of \$125,000 from the Federal Equitable Sharing Fund to Start a Reserve Police Officer Program
- (c) Approve the Acceptance of the Local Justice Assistance Grant (JAG) #2013-H5726-FL-DJ, in the Amount of \$14,588

Memorandum, Mayor and City Council
City Council Agenda for August 5, 2013

- (d) Formally Approve the Completed Emergency Work as Authorized by the City Manager on May 17, 2013, for the Repair of the Collapsed Sanitary Sewer Manhole Located on 10th Street South, South of Central (12th Avenue) Stormwater Basin
- (e) Approve the Purchase and Installation of Three (3) *Rotork* Electric Motor Valve Operators from Sole Source Provider, *Fluid Control Specialties, Inc.*, to be Installed at the Wastewater Treatment Facilities

7. **RESOLUTIONS:**

8. **ORDINANCES:**

Respectfully submitted,

/s/George D. Forbes
CITY MANAGER

GDF:cmm
07/31/13

If a person decides to appeal any decision made by the City Council with respect to any matter considered at any meeting, such person may need a record of the proceedings and, for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

The public is encouraged to speak on issues on this Agenda that concern them. Anyone who wishes to speak should submit the request to the City Clerk prior to the beginning of the meeting. These forms are available at the entrance of the City Council Chambers for your convenience.

In accordance with the Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities needing special accommodation to participate in this meeting should contact the City Clerk's Office at (904) 247-6299, ext. 10, no later than 12:00 PM, Friday, August 2, 2013.

**Minutes of Regular City Council Meeting
held Monday, July 15, 2013, at 7:00 P.M.
in the Council Chambers, 11 North 3rd Street,
Jacksonville Beach, Florida.**



CALL TO ORDER:

Mayor Charlie Latham called the meeting to order.

OPENING CEREMONIES:

Invocation was by Council Member Vogelsang; followed by the Salute to the Flag.

ROLL CALL:

Mayor: Charlie Latham

Council Members: Keith Doherty Steve Hartkemeyer Christine Hoffman *Absent*
Tom Taylor Phil Vogelsang Jeanell Wilson

Also present was City Manager George Forbes, City Department Directors, and Assistant City Clerk Nancy Pyatte.

APPROVAL OF MINUTES

It was moved by Mr. Taylor, seconded by Mr. Hartkemeyer, and passed, to approve the following minutes, as presented:

- City Council Workshop held June 11, 2013
- Regular City Council Meeting held June 17, 2013

ANNOUNCEMENTS

Councilmember Tom Taylor

- Mr. Taylor spoke about the Jazz Festival and the 4th of July events and stated he thought they were very successful and entertaining. He complimented the City staff that worked hard putting these events on – Special Events/Parks & Recreation, Public Works, Police Department, and the Fire Department.
- Mr. Taylor acknowledged a local Eagle Scout who installed a paver patio at the BEAM garden as part of earning his badge. This patio provides access to the garden for handicapped persons.
- Mr. Taylor announced that August 10th is ‘Back to School with BEAM’.

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Councilmember Keith Doherty

- Mr. Doherty complimented all the City staff on the great job with the 4th of July and the Jazz Festival. He stated he felt that the recent negative PR has been eliminated.

Mayor Latham

- Mayor Latham stated he was very pleased with the 4th of July event. It was well planned and produced. He complimented Special Events/Parks & Recreation, Public Works, Police Department, Fire Department, and all staff involved in making it a success.

COURTESY OF THE FLOOR TO VISITORS

Speakers:

- Ken Marsh, 2027 Gail Avenue, Jacksonville Beach
Mr. Marsh addressed the Council about a public/private cooperative effort for city enhancements. He provided a handout (copy attached) for the Council describing an example, named Friends of Baker Park, Inc. and the City of Frederick.

MAYOR AND CITY COUNCIL

- (a) Resolutions of Esteem – Raymond Fisher and Terry Simmons

Mayor Latham presented the City's Resolution of Esteem to Ray Fisher and to Terry Simmons in recognition of their dedication and accomplishments in bringing tremendous development and improvements to our City. Mr. Fisher served on the Community Redevelopment Agency from April 5, 1993 to June 17, 2013. Mr. Simmons served on the Community Redevelopment Agency from November 1989 to June 17, 2013.

The Mayor expressed his pride and admiration for Ray Fisher and Terry Simmons, exclaiming the City owes a tremendous debt to them for bringing great change to the Downtown and South Beach Redevelopment areas. There was a standing ovation from all in attendance.

CITY CLERK

- (a) Appointment of Chair and Vice-Chair of the Jacksonville Beach Community Redevelopment Agency

Motion: It was moved by Mr. Taylor, seconded by Mr. Hartkemeyer, to appoint Grady Kearsey to serve as Chairperson and Bill Hillegass to serve as Vice Chairperson for the Jacksonville Beach Community Redevelopment Agency, as described in the memo from the City Manager dated July 2, 2013.

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Mr. Forbes explained that Chapter 163 of the Florida Statutes requires Council to designate persons to handle the Chair and the Vice Chair duties.

Roll call vote: Ayes: Doherty, Hartkemeyer, Taylor, Vogelsang, Wilson, and Mayor Latham;
motion carried unanimously.

(b) Appointment of One Member to the Board of Adjustment

Mr. Bobby Jolley, a 25 year volunteer member of the Board of Adjustment, submitted his resignation from the board effective August 1, 2013.

Mayor Latham suggested a nomination for one of the alternates to fill the member position. He also suggested the vacant alternate position could then be filled by one of the applicants pending appointment. Mr. Cummings' and Mr. Hyatts' applications are attached.

Motion: It was moved by Mr. Hartkemeyer, seconded by Ms. Wilson, to appoint Sylvia Osewalt as a member to the Board of Adjustment, effective August 1, 2013, for a four year term expiring on August 6, 2017, as described in the memo from the City Clerk dated July 5, 2013.

Roll call vote: Ayes: Hartkemeyer, Taylor, Vogelsang, Wilson, Doherty, and Mayor Latham;
motion carried unanimously.

Motion: It was moved by Mr. Taylor, seconded by Mr. Hartkemeyer, to appoint Michael Gallimore as First Alternate, effective August 1, 2013, to complete an unexpired term that ends on January 31, 2015.

Roll call vote: Ayes: Taylor, Vogelsang, Wilson, Doherty, Hartkemeyer, and Mayor Latham;
motion carried unanimously.

Motion: It was moved by Mr. Taylor, seconded by Mr. Doherty, to appoint Scott Cummings as Second Alternate, effective August 1, 2013, to complete an unexpired term that ends on January 31, 2015.

Roll call vote: Ayes: Taylor, Vogelsang, Wilson, Doherty, Hartkemeyer, and Mayor Latham;
motion carried unanimously.

CITY MANAGER

(a) Monthly Financial Reports – Month of June 2013

Motion: It was moved by Mr. Taylor, seconded by Mr. Hartkemeyer, to approve the Monthly Financial Reports for the Month of June 2013.

Roll call vote: Ayes: Vogelsang, Wilson, Doherty, Hartkemeyer, Taylor, and Mayor Latham;
motion carried unanimously.

Minutes of Regular City Council Meeting
held Monday, July 15, 2013

- (b) Approval for Beaches Area Historical Society to Permanently Close North 5th Street Between Beach Boulevard and Pablo Avenue to Traffic and Incorporate the Closed Property into the Pablo Historical Park

Mayor Latham reopened Courtesy of the Floor to speakers for this agenda item.

Speakers:

Maarten Van De Guchte, 381 Beach Blvd.

Mr. Van De Guchte spoke in favor, stating the plan is to unite the two parts of Pablo Historical Park with landscaping, providing beautification as well as safety for Chapel visitors.

David Plummer, 120 N. 5th St.

Mr. Plummer operates his business, Cypress Record Studios, in that area and is opposed to closing that part of 5th Street to traffic. He stated that he now has trailers blocking the signage for his business and feels this street closing will affect access to his business. Mr. Plummer said that the closing will also add traffic pressures to both of the churches in that area.

Jim Overby, 21 Burling Way

Mr. Overby first commended Mr. Fisher and Mr. Simmons for all their accomplishments, especially in the southend of Jacksonville Beach. Mr. Overby stated that if you go to the Historical Society you can see proof of that and he is in favor of closing 5th Street. Mr. Overby commented on the Beaches Branch Library issue stating we need to encourage the County to leave it open.

The City Manager explained that this section of 5th Street was legally closed 30 years ago by Ordinance No. 7255 on July 2, 1984. This action converted the public right of way into public property, and added it to Pablo Historical Park. Mr. Forbes said the decision before Council is whether to leave it 'as is' or to plow up and landscape. Concerns have been expressed about cutting off access to business and to churches in the area.

Mr. Taylor stated he was not in favor of the closing and landscaping.

Ms. Wilson stated she empathized with Mr. Plummer but she thought it would be a nice addition to the park. The street section was closed 30 years ago and we should allow the Beaches Historical Society to use it.

Mr. Doherty suggested a traffic study before making a decision to permanently close. He agreed it will enhance the property for the Beaches Historical Society. Mr. Doherty was concerned about creating a traffic nightmare for the businesses and churches in the area.

The Mayor concurred with the suggestion for a traffic study and the Council was in agreement. It was noted school starts up August 17th and the traffic study should be completed after that date to get a true picture of the traffic conditions.

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held Monday, July 15, 2013

Motion: It was moved by Mr. Taylor, seconded by Mr. Hartkemeyer, to table item 6(b) pending completion of a traffic study.

Roll call vote: Ayes: Wilson, Doherty, Hartkemeyer, Taylor, Vogelsang, and Mayor Latham; motion carried unanimously.

(c) Approve the Council Budget Workshop Schedule

Mr. Forbes stated there are some changes in the schedule regarding starting times. On August 5, 2013 the Council Meeting will start at 6:00 p.m. instead of 7:00 p.m. When that meeting adjourns, then Council will convene in the conference room (behind the Chambers) for the 1st Budget Workshop.

The next three (3) scheduled budget workshops all start at 6:00 p.m.

Motion: It was moved by Mr. Taylor, seconded by Mr. Hartkemeyer, to approve the Budget Workshop Schedule as proposed by the City Manager in a memo dated July 8, 2013.

Roll call vote: Ayes: Doherty, Hartkemeyer, Taylor, Vogelsang, Wilson, and Mayor Latham; motion carried unanimously.

(d) Approve the Roof Replacement at the Arc Building (Located at 321 Penman Road)

Mr. Forbes explained the City leases this building to Arc. They are a non-profit organization, licensed by the state (DCF), providing daycare services to persons with disabilities. The roof is over 25 years old and now there are leaks and maintenance issues. The City is recommending Big Fish Roofing as they provided the lowest cost.

Mayor Latham recused himself from voting, stating that this company is a business customer. The Mayor filed Form 8B Memorandum of Voting Conflict with the City Clerk's Office.

Motion: It was moved by Mr. Taylor, seconded by Mr. Hartkemeyer, to approve the Roof Replacement at Arc to Big Fish Roofing as described in a memo from the Property Management Supervisor dated June 20, 2013.

Roll call vote: Ayes: Hartkemeyer, Taylor, Vogelsang, Wilson, Doherty; motion carried unanimously.

RESOLUTIONS

(a) **RESOLUTION NO. 1917-2013**

Mayor Latham requested that Resolution No. 1917-2013, be read by title; whereupon Ms. Pyatte read the following:

**“A RESOLUTION OF THE CITY OF JACKSONVILLE BEACH, FLORIDA,
REQUESTING THE CITY OF JACKSONVILLE TO KEEP THE BEACHES
BRANCH LIBRARY OPEN AS A COUNTY SERVICE TO THE BEACHES.”**

Motion: It was moved by Mr. Taylor, seconded by Mr. Hartkemeyer, to adopt Resolution No. 1917-2013, requesting the City of Jacksonville to keep the Beaches Branch Library open.

Roll call vote: Ayes: Taylor, Vogelsang, Wilson, Doherty, Hartkemeyer, -and Mayor Latham; motion carried unanimously.

ADJOURNMENT

There being no further business coming before the Council, Mayor Latham adjourned the meeting at 7:50 p.m.

Submitted by: Nancy J Pyatte
Assistant City Clerk

Approval:

William C. Latham, Mayor

Date: August 5, 2013



BEACHES ENERGY
SERVICES

MEMORANDUM

To: George D. Forbes
City Manager

From: Roy Trotter
Beaches Energy Services Director

Date: July 19, 2013

Re: Approval to Reject Bid Number 1213-10

ACTION REQUESTED:

Reject Bid Number 1213-10 "Palm Valley Road Overhead Feeder Rebuild Phase 3."

BACKGROUND:

The City of Jacksonville Beach solicited bids from qualified contractors to furnish equipment, tools, labor and supervision necessary to rebuild the existing overhead 26kV distribution feeder along Palm Valley Road from Sawbill Palm Drive to Woodlands Creek Drive, a distance of approximately 1.4 miles. The scope of work included 31 wood poles to be removed and replaced with direct-embedded static-cast concrete distribution poles, transferring the existing overhead conductor, relocating six underground risers and converting seven overhead primary lateral crossings to underground.

EVALUATION:

The invitation to Bid was advertised, six (6) bid packages were requested and two (2) responses were opened on July 3, 2013. The bid responses are summarized below.

1. Powersecure, Inc. \$446,181.25
2. C&C Powerline, Inc. \$920,000.00

Purchasing, Engineering and Construction & Maintenance personnel evaluated the bid responses. The pricing submitted by the lowest bidder exceeds the design engineer's estimated construction cost by 72%. We are recommending that Bid Number 1213-10 "Palm Valley Road Overhead Feeder Rebuild Phase 3" be rejected. Staff will review the project and adjust work load allowing Beaches Energy Services' crews to construct the job.

RECOMMENDATION:

Reject Bid Number 1213-10 "Palm Valley Road Overhead Feeder Rebuild Phase 3."



PALM VALLEY ROAD

CANAL BLVD

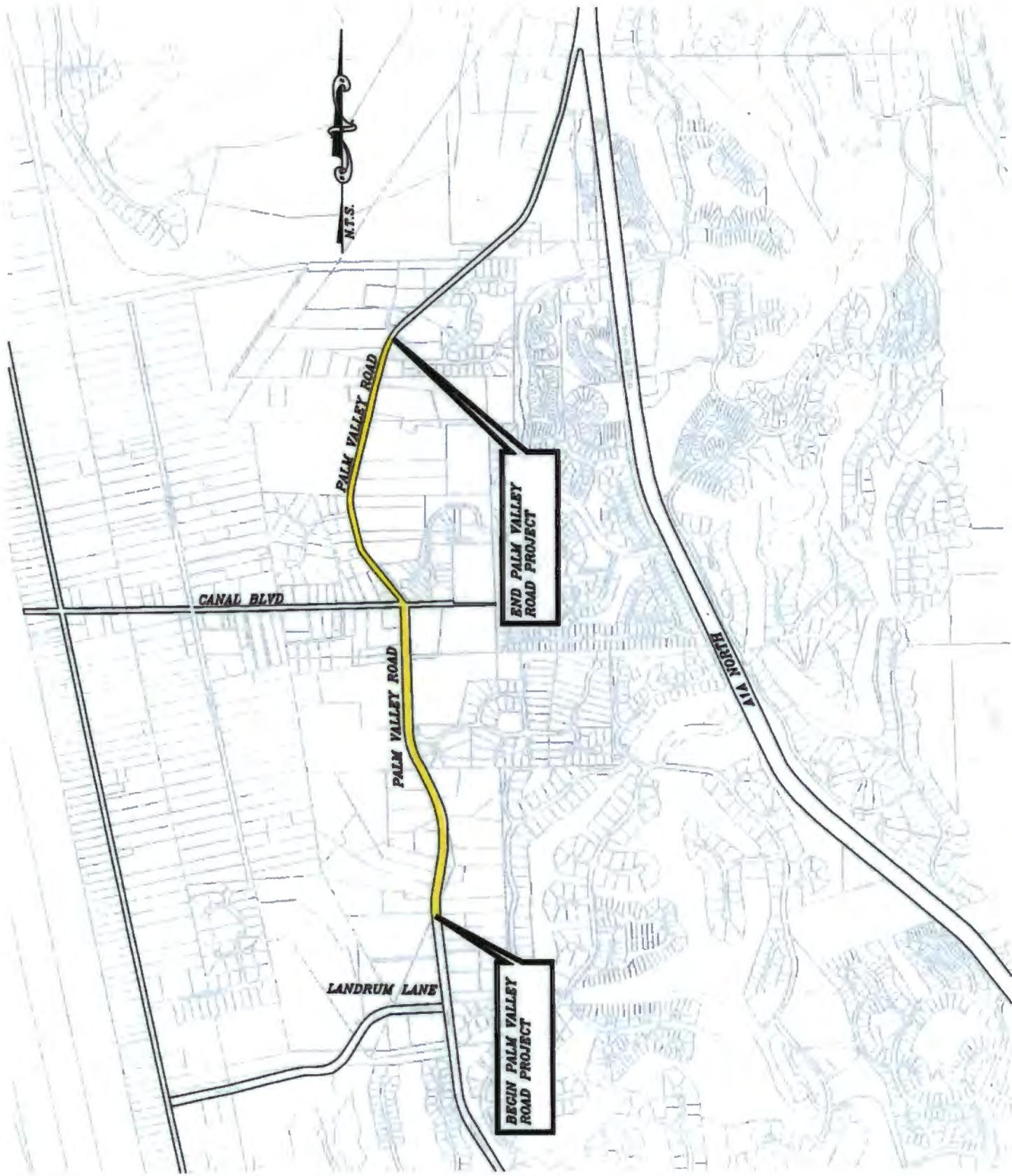
PALM VALLEY ROAD

LANDRUM LANE

END PALM VALLEY ROAD PROJECT

BEGIN PALM VALLEY ROAD PROJECT

VI KORN





City of

Jacksonville Beach

Police Department

101 Penman Road, South

Jacksonville Beach

FL 32250

Phone: 904.247.6343

Fax: 904.247.6342

www.jacksonvillebeach.org

To: George D. Forbes, City Manager

From: Patrick K. Dooley, Chief of Police

Subject: Draw from Federal Equitable Sharing Funds to create a Reserve Police Officer Program, Including Required Training and Equipment.

Date: July 18, 2013

ACTION REQUESTED

Approve a draw of \$125,000 from the Federal Equitable Sharing Fund to start a reserve police officer program.

BACKGROUND

The police department is requesting funding to start a **reserve police officer program**. This program will allow for up to 10 non-paid volunteers who after acquiring the proper certification from FDLE, will work in the company of a fully certified officer to provide a force multiplier to the police department. These officers will only have police authority granted while under the direct supervision of a fully certified police officer. They will receive approximately 319 hours of required training from a certified training academy prior to being assigned to patrol. The training will focus on primarily high liability areas.

All reserve police officers will be required to pass the same pre-employment requirements as a full time police officer. This includes, but is not limited to, an extensive background check, psychological examination, and medical examination.

Upon successful completion of all required training, the reserve police officer will be required to work at least ten hours per month.



1995

The cost for each reserve police officer to complete the required academy is **\$2,300**. The cost will include all books and required uniforms for the class.

The total cost of academy classes and required FDLE state certification, or reimbursement of cost for up to 10 reserve police officers who have graduated within 12 months from a certified police academy, with training is **\$23,000**.

In addition, we will be required to purchase all uniforms and equipment for up to 10 reserve police officers. This equipment will include, but is not limited to, all uniforms, firearms, radio, ballistic vests, Taser and pre-employment cost.

The total cost for all required equipment per reserve police officer is **\$10,200** (See attached cost breakdown). The total cost to equip and provide uniforms for 10 reserve police officers is **\$102,000**.

The recommended expenditures meet the statutory requirements for the use of seizure funds.

RECOMMENDATION

Approve a draw of **\$125,000** from the Federal Equitable Sharing Fund to create a Police Reserve Program as described in a memo from Chief Dooley dated July 18, 2013.

Jacksonville Beach Police expenditures for pre- employment:

Pre- Employment Physical= \$485.00

Psychological= \$275.00

Credit Check= \$60.00

Name Plate= \$12.75

Total = \$832.00

Cost for Equipment

AMMO POUCH	\$45
BADGE	\$80
BATON/HOLDER	\$30
BDU PANTS (1), TOP (1)	\$70
BAND, MOURNING	\$10
COLLAR BRASS/FLAG PIN	\$25
CUFF CUTTERS	\$35
FLASHLIGHT, MAG	\$150
FLASHLIGHT HOLDER	\$15
FLASHLIGHT WAND	\$10
FLASHLIGHT, STINGER	\$150
GLOVE POUCH	\$20
GUNBELT	\$75
HANDCUFF CASE	\$40
HANDCUFFS	\$45
HAT-BALLCAP	\$125
HAT W/BADGE & RAIN COVER	\$90
HOLSTER ON DUTY	\$115

ID AND CASE	\$30
KEYS AND #'S/KEY PEG	\$35
TOURNIQUET W/POUCH	\$75
JACKET, HEAVY	\$100
PISTOL, ON DUTY	\$525
RADIO & CHARGER	\$4950
RADIO HOLDER	\$15
BLAUER RAIN OUTFIT	\$100
TASER	\$900
TASER CART #'S	\$45
TIE	\$15
UNIFORM SHIRT, LS (1)	\$75
UNIFORM SHIRT (R=2)	\$120
UNIFORM PANTS (R=2)	\$130
VEST, BODY ARMOR	\$1000
VEST. TRAFFIC	\$50
WHISTLE AND CHAIN	\$15
GLOVES	\$50

estimated total \$9360

Total with pre-employment cost \$10192



City of

Jacksonville Beach

Police Department

101 Penman Road, South

Jacksonville Beach

FL 32250

Phone: 904.247.6343

Fax: 904.247.6342

www.jacksonvillebeach.org

To: George D. Forbes, City Manager

From: Patrick K. Dooley, Chief of Police

Subject: Request to Accept 2013 Local Justice Assistance Grant (JAG) Grant.

Date: July 20, 2013

ACTION REQUESTED

Acceptance of the Local Justice Assistance Grant (JAG) #2013-H5726-FL-DJ, in the amount of \$14,588, to purchase one all-terrain vehicle and 3 rifles.

BACKGROUND

The Police Department has been notified that they are eligible to receive a justice assistance grant from the Department of Justice for FY-2013-2014, in the amount of \$14,588. The police department intends to use the funds to upgrade one of the ATV's used for the beach patrol. The approximate cost for the ATV for the beach patrol is \$10,104.

The Police Department also intends to upgrade three rifles currently assigned to the SWAT team. The current rifles are no longer serviceable for SWAT team use (the rifles are 11 years old). Each rifle is an M-4 style rifle. The cost of each rifle is \$1,200. The total cost for three rifles is \$3,600. An additional \$884.00 will be used to purchase accessories for the rifles to enhance the platform of the weapons system.

RECOMMENDATION

Approve the acceptance of Justice Assistance Grant (JAG) # 2013-H5726-FL-DJ, in the amount of **\$14,588**. These funds will be used for the purchase of an all-terrain vehicle and 3 rifles for the police department as described in a memo from Chief Dooley dated July 20, 2013.





BUDGET DETAIL WORKSHEET

Applicant: City of Jacksonville Beach, Florida
Title of Project: Jacksonville Beach Police Specialized Equipment Upgrade
Goal: To purchase new equipment to enhance security and safety

A. PERSONNEL

Total \$0.00

B. FRINGE BENEFITS

Total \$0.00

C. TRAVEL

Total \$0.00

D. EQUIPMENT

<u>Items</u>	<u>Computation</u>	<u>Cost</u>
Polaris Ranger 400 ATV (fully-equipped)	1	\$10,104.00
M4 Tactical Rifle	3 X \$1,200	\$ 3,600.00
Additional tactical accessories for the rifles		<u>\$ 884.00</u>
Total		\$14,588.00

Grant funds will be used to purchase a Polaris Ranger 400 ATV. This specialized motorized vehicle will be used to patrol the harsh oceanfront environment. It is a two-person vehicle that has four-wheel drive. This will allow officers to drive in soft sand and have access to areas where people congregate. Some of the funds for this vehicle will be used to equip it as a marked patrol vehicle. The rest of the grant funds will be used to purchase three M4 Tactical Rifles for the SWAT team. Any remaining funds will be used to purchase any needed accessories to further enhance the weapon platform. All these items will be purchased and all funds will be expended within the prescribed grant period.

The city's current purchasing policy will be strictly followed. The city currently and exclusively uses a state bid process to purchase equipment. Equipment procurement will follow prescribed city policy.

E. SUPPLIES

Total \$0.00

F. CONSTRUCTION

Total \$0.00

G. CONSULTANTS/CONTRACTS

Total \$0.00

H. OTHER COSTS

Total \$0.00

I. INDIRECT COSTS

Total \$0.00

BUDGET SUMMARY

<u>BUDGET CATEGORY</u>	<u>AMOUNT</u>
<u>A. PERSONNEL</u>	<u>\$0.00</u>
<u>B. FRINGE BENEFIT</u>	<u>\$0.00</u>
<u>C. TRAVEL</u>	<u>\$0.00</u>
<u>D. EQUIPMENT</u>	<u>\$14,588.00</u>
<u>E. SUPPLIES</u>	<u>\$0.00</u>
<u>F. CONSTRUCTION</u>	<u>\$0.00</u>
<u>G. CONSULTANTS/CONTRACTS</u>	<u>\$0.00</u>
<u>H. OTHER COSTS</u>	<u>\$0.00</u>
<u>I. INDIRECT COSTS</u>	<u>\$0.00</u>

TOTAL PROJECT COSTS \$14,588.00

Federal Request \$14,588.00

Non-Federal Amount \$0.00



July 19, 2013

City of
Jacksonville Beach
Operations &
Maintenance Facility
Department of Public
Works
1460-A Shetter Avenue
Jacksonville Beach
FL 32250
Phone: 904.247.6219
Fax: 904.247.6117

TO: George D. Forbes, City Manager
FROM: Ty Edwards, Public Works Director
SUBJECT: Emergency Repair of the Collapsed Sanitary Sewer Manhole, located on 10th Street S., south of Central (12th Avenue) Stormwater Basin

www.jacksonvillebeach.org

ACTION REQUESTED:

Formally approve the completed emergency work as authorized by the City Manager on May 17, 2013, for the repair of the collapsed sanitary sewer manhole located on 10th Street S., south of Central (12th Avenue) Stormwater Basin.

BACKGROUND:

On May 17, 2013, the City Manager authorized the emergency work to repair the collapsed sanitary sewer manhole on 10th St. S., between 13th Avenue S. and the Central (12th Avenue) Stormwater Basin. (Memorandum with enclosures and photos is attached.) Staff informed the City Council about this emergency repair at the June 3, 2013, Council Briefing.

The emergency repair has been completed at the authorized lump sum cost of \$133,043.65. The City Purchasing Manual states the following:

An emergency purchase in excess of the \$25,000 Bid Threshold Amount must receive prior approval by the City Manager or the Assistant City Manager. Subsequently, the City Council must formally approve the emergency purchase.

RECOMMENDATION:

Approve the City Manager's action of May 17, 2013, authorizing the emergency repair of the collapsed sanitary sewer manhole located on 10th Street South between 13th Avenue and the Central Stormwater Basin, as explained in the memorandum from the Public Works Director dated July 19, 2013.



PHOTOS
Emergency Repair Underway
Collapsed Sanitary Sewer Manhole





May 17, 2013

APPROVED by City Mgr.
5/17/2013

City of
Jacksonville Beach
Operations &
Maintenance Facility
Department of Public
Works
1460-A Shetter Avenue

TO: George D. Forbes, City Manager
FROM: Ty Edwards, Public Works Director
SUBJECT: Emergency Repair Authorization, Sanitary Sewer Manhole, 10th St. S. south of Central (12th Avenue) Stormwater Basin

Jacksonville Beach
FL 32250
Phone: 904.247.6219
Fax: 904.247.6117

ACTION REQUESTED:

City Manager authorize emergency repair of partially collapsed sanitary sewer manhole on 10th Street S., south of the Central (12th Ave. S.) Stormwater Basin

www.jacksonvillebeach.org

BACKGROUND:

The City contractor for the 12th Ave. S. (Central) Stormwater Basin Erosion Control Improvements Project is mobilized on the project site (see attached map). Recently, the contractor discovered a partially collapsed sanitary sewer manhole located in 10th Street S. southwest of the basin weir wall. The contractor immediately notified Public Works.

The collapsed manhole is on a 24" sanitary gravity main which services a large portion of the City's south end. The manhole was originally installed in 1968, fabricated of concrete and/or bricks, and is about 5 feet in diameter and 17 feet in depth. A sanitary forcemain and 2 sanitary gravity mains feed into this manhole with the sewage dropping about 10 feet or so inside the manhole causing significant escape of hydrogen sulfide gases. Overtime, the gases have deteriorated the upper portion of the manhole from the inside out, leaving little structural strength underneath the asphalt. As contractor vehicles traveled on the pavement for access to the project site, the asphalt eventually gave way exposing the extremely deteriorated condition of the manhole.

Public Works staff immediately inspected the situation and found that the manhole structure is extremely deteriorated with a significant portion of its upper structural wall disintegrated with surrounding dirt in imminent danger of falling into the manhole possibly blocking sewage flow causing sewage backup and sanitary sewer overflows upstream. It is determined that this partially collapsed manhole creates:

- A high potential of further collapse causing delays to the Central Basin Erosion Control Improvements Project.
- An immediate danger to the public health and safety.
- An imminent interruption of an essential government service (*sewage collection*).



For this reason, staff recommends emergency replacement of this manhole under the provisions of the City Code of Ordinance, Sec. 2.1.1. (c)1. Per City Purchasing Manual, staff will bring this emergency work to Council for formal approval once the manhole replacement is complete.

A summary of the work in replacing the manhole includes, but not limited to, the following (see attached Sanitary Manhole Emergency Replacement Overview Map and photos):

MANHOLE REPLACEMENT WORK SUMMARY	
<u>By Contractor</u>	<u>By City</u>
<ul style="list-style-type: none"> • Bypass pumping of 24" sanitary main (from south of 13th Ave. S.) • Bypass pumping of 8" sanitary main (east of the manhole) • Bypass pumping of 8" sanitary forcemain (west of the manhole) • Relocation of about 40' of 12" water main • Purchase and install replacement manhole (5 feet diameter X 17 feet in depth) • Dewatering system • Temporarily install trench box • Maintenance of Traffic on 13th Ave. S. 	<ul style="list-style-type: none"> • Cut in 12" water valve (to the north of the manhole) • Temporarily relocate electric concrete pole

Staff discussed the manhole replacement work with *G & H Underground Construction*, the city contractor's for the Central Basin Erosion Control Improvements Project. This City contractor is mobilized on the site and has the expertise for this type of work. **The price for the estimated work is \$133,043.65.** (See attached G & H letter dated 5-15-2013.) Staff recommends a 10% contingency to deal with any unforeseen work that may surface during the repair.

Contractor Cost		
Emergency Replacement of Partially Collapsed Sanitary Manhole		
<u>DESCRIPTION</u>	<u>COST</u>	<u>RECOMMENDATION</u>
Emergency Repair Price:	\$133,043.65	<ul style="list-style-type: none"> • Authorize work with <i>G & H Underground Construction, Inc.</i>
10% Contingency	\$13,304.35	
Emergency Repair Total:	\$146,348.00	
Repair funding is available in the Water & Sewer Enterprise Fund and the FY 2013 budget will be adjusted accordingly at year end.		

RECOMMENDATION:

It is recommended that emergency repair by replacement of the partially collapsed sanitary manhole located on 10th Street S. southwest of the Central Basin weir wall be authorized with *G&H Underground Construction, Incorporated*, at a cost of \$133,043.65, plus a 10% contingency, for a total cost not to exceed \$146,348.00

EMERGENCY AUTHORIZATION:

BY: G. D. Forbes
George D. Forbes, City Manager

DATE: May 17, 2013



Photos

Partial Collapse of Sanitary Sewer Manhole,
southwest of Central Basin Weir Wall



Sanitary Manhole Emergency Replacement Overview Map

MANHOLE REPLACEMENT WORK SUMMARY

MANHOLE REPLACEMENT WORK SUMMARY	
<p><i>By Contractor</i></p> <ul style="list-style-type: none"> • Bypass pumping of 24" sanitary main (from south of 13th Ave. S.) • Bypass pumping of 8" sanitary main (east of the manhole) • Bypass pumping of 8" sanitary forcemain (west of the manhole) • Relocation of about 40' of 12" water main • Purchase and install replacement manhole (5 feet diameter X 17 feet in depth) • Dewatering system • Temporarily install trench box • Maintenance of Traffic on 13th Ave. S. 	<p><i>By City</i></p> <ul style="list-style-type: none"> • Cut in 12" water valve (to the north of the manhole) • Temporarily relocates electric concrete pole



City of
 Jacksonville Beach
 Operations &
 Maintenance Facility
 Department of Public
 Works
 1460-A Shetter Avenue
 Jacksonville Beach
 FL 32250
 Phone: 904.247.6219
 Fax: 904.247.6117

www.jacksonvillebeach.org

July 23, 2013

TO: George Forbes, City Manager
FROM: Ty Edwards, Public Works
SUBJECT: Sole Source Purchase and Installation of 3 *ROTORK* Electric Motor Valve Operators for the Wastewater Treatment Facilities

ACTION REQUESTED:

Approve the purchase and installation of three (3) *Rotork* electric motor valve operators from sole source provider, *Fluid Control Specialties, Inc.*, to be installed at the wastewater treatment facilities.

BACKGROUND:

The City's new Sequential Batch Reactor (SBR) Wastewater Treatment Facilities are highly automated and designed so that treated wastewater meets the current standards to be safely released at our permitted effluent outfall at the St. Johns River, which we share with the other beach cities. An additional step sends the effluent through polishing filters to meet reclaim water standards. This complex operation is managed by the plant's new Control and Technologies Information System sending operational signals through its new hardwire *Profibus* communications network.

Critical to high level performance of this complex treatment process is the timely opening and closing of valves. Thirty-one (31) valves located throughout the facilities were designed and installed with *Profibus* compatible *Rotork* electric motor operators (also called electric actuators). The electric motor operators timely open or close these valves as signaled by the plant's Control and Technologies Information System.

After the batch treatment process in the SBR tanks is completed, the turbidity level is measured as the effluent flows from the tanks toward the 2 chlorine contact basins. If turbidity is within reclaim water standard, the effluent is first sent through the polishing filters then into both chlorine contact basins for final disinfection and aeration. A portion goes to the South Basin to ultimately flow to the reclaim water ponds at the Golf Course, for reuse in the City's reclaim water irrigation system. The other portion goes to the North Basin and is ultimately de-chlorinated and pumped to the permitted effluent outfall at the St. Johns River.



If turbidity is below reclaim water standard, 3 valves are opened/closed by-passing the polishing filters and diverting all the effluent to the North Basin for pumping to the St. Johns River outfall or the plant headworks for retreatment, as necessary. These valves, manufactured by *DeZurik*, were designed for manual opening/closing. Two valves are located 1-½ feet below ground and require 110 turns to open/close completely. The third valve is 8 feet underground and requires 33 turns.

Because of the relatively slow manual operation of these 3 valves, we are experiencing unanticipated consequences when performing this by-pass / diversion procedure. The turbidity quickly clogs / fowls the polishing filters. Subsequently, the clogged filters must be shut down and cleaned, which is a very costly, time consuming and labor intensive procedure. In addition, when the polishing filters are off-line, reclaim quality water is not available to replenish the reclaim water ponds at the Golf Course. **For this reason, staff recommends automating these 3 valves** for timely opening/ closing via commands signaled by the plant's Control and Technologies Information System.

Using the new plant's standardized specifications, it is recommended purchasing and installing *Profibus* compatible, electric motor valve operators manufactured by *Rotork* with all necessary installation hardware. (Photo attached.). *Fluid Control Specialties, Inc.*, is *Rotork's* sole source Florida municipal representative. (Sole source letter attached.) The costs for this work are estimated as:

Estimated Cost of Purchase & Installation		
3 Rotork Electric Motor Valve Operators, w/ install hardware & site prep. work		
<u>DESCRIPTION</u>	<u>COST</u>	<u>RECOMMENDATION</u>
• 3 Rotork Electric Motor Operators	\$36,067	Purchase of 3 each new <i>Rotork</i> Electric Actuators, <i>Profibus</i> compatible w/ surge suppression, new <i>DeZurik</i> FSDIR floor stand/bonnet sized for sheer
• Labor for install	<u>\$11,000</u>	Install, system check out, train PCP staff
Sub-Total:	\$47,067	with Fluid Control Specialties, Inc.
• Site Preparation	\$13,000	Includes concrete foundation & electric conduit/ wires/boxes at 3 locations as needed (by others)
Grand Sub-Total:	\$60,067	
10% Contingency:	\$5,933	In case of unanticipated additional install work
TOTAL:	\$66,000	Not to exceed
Funds are available in the 2013 Water & Sewer Pollution Control Plant (PCP) Division budget. Subject to Council authorization, the PCP budget is to be modified by relocating these funds into the PCP capital account.		

We recommend the sole source purchase and installation of three (3) each *Rotork* electric motor valve operators with necessary installation hardware be authorized with *Fluid Control Specialties, Inc.*, at a cost of \$47,067.

We also request approval of a \$13,000 budget to accomplish necessary site preparation work at the 3 valve locations. This work includes, but is not limited to, concrete foundations and electrical conduit/boxes/wiring for power and signal communications.

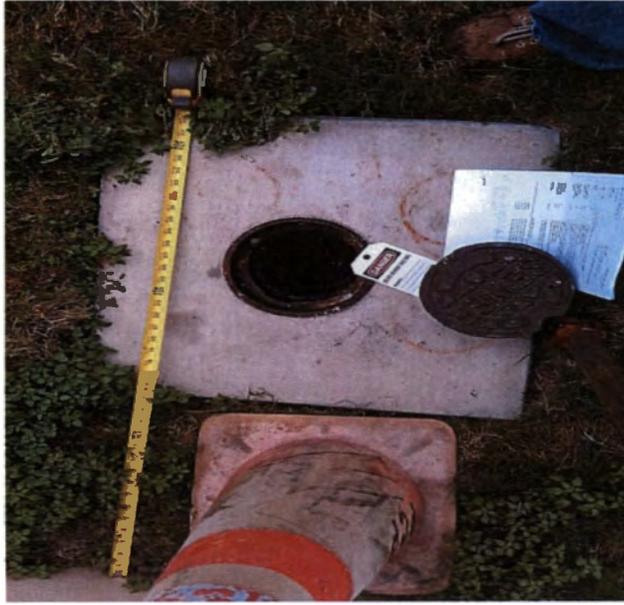
Finally, we request a 10% contingency (\$5,933) in case of unforeseen additional work that is necessary to accomplish the proper installation of the electric actuators and linkup with the plant's power and communication systems. The project total cost is not to exceed \$66,000.

RECOMMENDATION:

As explained in the memorandum from the Public Works Director dated July 23, 2013, authorize the sole source purchase and installation of 3 *Rotork* Electric Motor Valve Operators at the Wastewater Treatment Facilities with *Fluid Control Specialties, Incorporated*, at a cost not to exceed \$66,000.

Jacksonville Beach Wastewater Treatment Facility

Underground DeZurik Valves, 3 each
(currently manually operated and recommend for automation)



Jacksonville Beach Wastewater Treatment Facility

Rotork Electric Motor Operator
(*Profibus* compatible)
connected to underground *DeZurik* Valve



rotork[®] **Site Services**

July 16, 2013

City of Jacksonville Beach
Tel: 904-247-6226

Attn: Jason Phitides, Purchasing Administrator

Subject: Sole Source Representative

Rotork Controls, Inc.
675 Mile Crossing Blvd.
Rochester, New York
14624

tel: +1 585 247 2304
fax: +1 585 247 2308
www.rotork.com

Rotork Controls, Inc. is the sole manufacturer of Rotork products and associated equipment. Fluid Control Specialties, Inc. located in Sanford, Florida is the sole and exclusive Municipal representative for Rotork electric actuators within the state of Florida, including all counties east of Rt. 231.

Your contact for Fluid Control Specialties, Inc. is:

Robert Whritenour
111 Maritime Drive
Sanford, Florida 32771
Office: 407.302.5611
Fax: 407.302.5612
Email: robert.whritenour@fluidcontrolspect.com

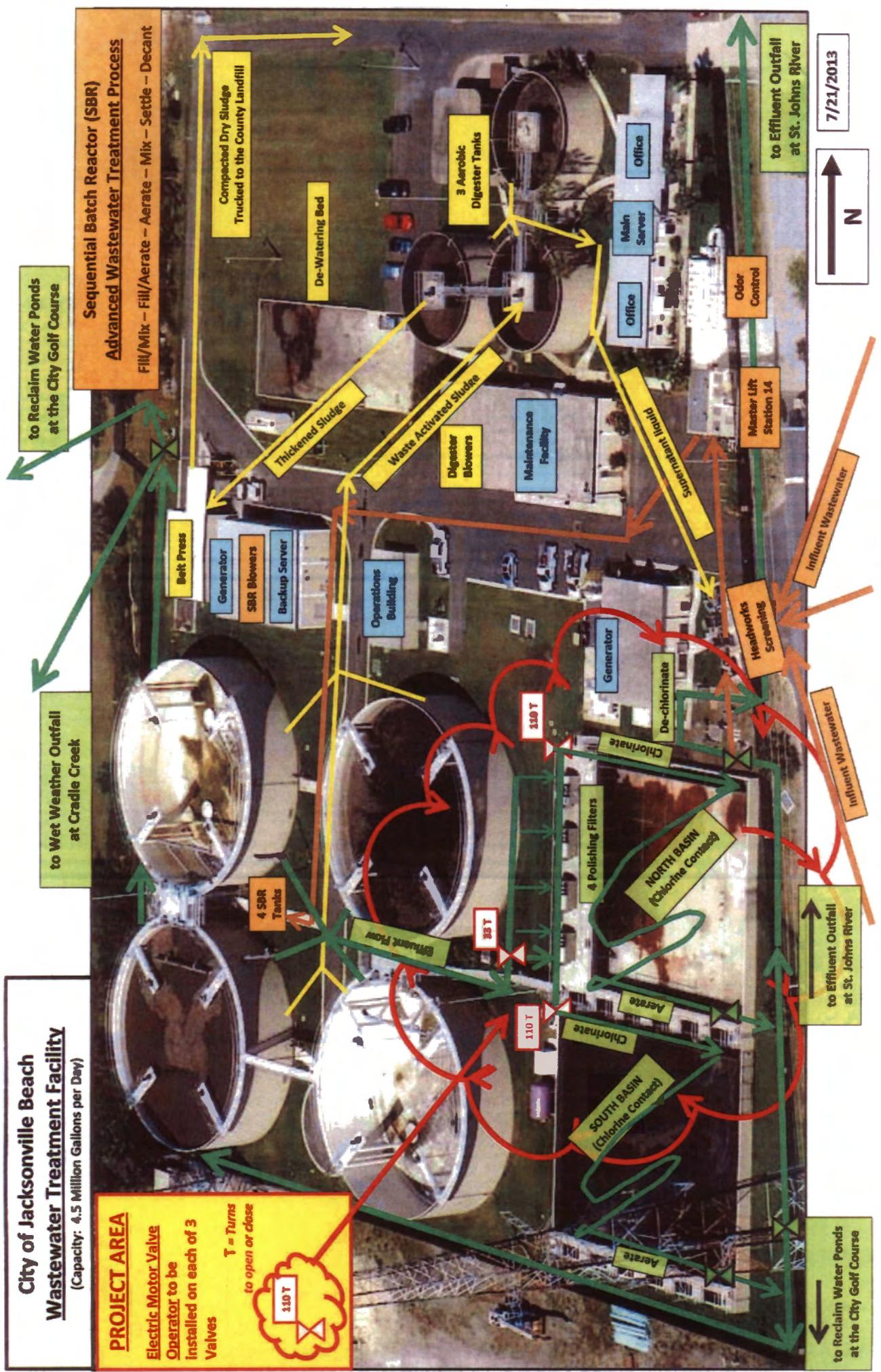
If you have questions regarding this issue, please contact me at 904-334-0614.

Sincerely,

Joe Libasci
Area Sales Manager - Florida

**City of Jacksonville Beach
Wastewater Treatment Facility**
(Capacity: 4.5 Million Gallons per Day)

PROJECT AREA
Electric Motor Valve Operator to be installed on each of 3 Valves
T = Turns to open or close



7/21/2013
N