

**MINUTES OF THE WORK SESSION
BOARD OF MAYOR AND ALDERMEN
FRANKLIN, TENNESSEE
CITY HALL BOARDROOM
TUESDAY, MAY 13, 2014 – 5:00 P.M.**

Board Members

Mayor Ken Moore	P		
Vice Mayor Ann Petersen	P	Alderman Beverly Burger	P
Alderman Clyde Barnhill	P	Alderman Dana McLendon	A
Alderman Brandy Blanton	P	Alderman Margaret Martin	P
Alderman Pearl Bransford	P	Alderman Michael Skinner	P

Department Directors/Staff

Eric Stuckey, City Administrator	P	Lisa Clayton, Parks Director	
Vernon Gerth, ACA Community & Economic Development	P	Shirley Harmon, Human Resources Director	P
Russell Truell, ACA Finance & Administration	P	Mark Hilty, Water Management Director	P
David Parker, City Engineer/CIP Executive	P	Paul Holzen, Engineering Director	
Shauna Billingsley, City Attorney	P	Catherine Powers, Planning & Sustainability Director	P
Rocky Garzarek, Fire Chief		Joe York, Streets Director	
David Rahinsky, Police Chief		Brad Wilson, Facilities Project Manager	
Fred Banner, IT Director	P	Lanaai Benne, Assistant City Recorder	P
Chris Bridgewater, Building & Neighborhood Services Director	P	Linda Fulwider, Board Recording Secretary	P
Becky Caldwell, Sanitation & Environmental Services Director			

1. Call to Order

Mayor Ken Moore called the Work Session to order at 5:00 p.m.

2. Citizen Comments

Buddy Blue Bag (recycling mascot) made an appearance in celebration of his 4th birthday! Buddy has sparked 58% of Franklin residents to recycle, thus diverting 18% of trash from going to the landfill. He teaches children that recycling starts with them. Mayor Moore read a Proclamation proclaiming May 13, 2014 as Buddy Blue Bag Day!

WORK SESSION DISCUSSION ITEMS

3. Presentation from Sister Cities Regarding Student Delegation Travel

Patricia Kriebel introduced the first group of exchange students going to Bad Soden, Germany May 27-June 10, 2014: Grace Anderson, Leta Yi, John Newman, Connor Pratt, Matthew Minor, and Corbin Lynn. Schools represented: Centennial, Independence, Overton and Battle Ground Academy. Centennial teacher Julie Linton will chaperone. In the fall Franklin will welcome a reciprocal group from Germany.

Mike Thompson, Sister Cities President related four girls from Franklin will go to Carleton Place, Ontario, Canada. Next year will mark the 10th anniversary of the association with Carleton Place. Sister Cities also has a relationship with County Laois, Ireland.

4. Consideration of Event Permit from Scott Ducaj and Williamson County Cultural Arts Commission for the Jazz Festival in Downtown Franklin on August 30-31, 2014

David Rahinsky, Police Chief

The applicant requested this item be withdrawn.

5.* Consideration of Amendment No. 5 to the Professional Services Agreement (PSA) with CDM Smith (COF Contract No. 2011-0037) for the Jackson Lake Dredging Improvements Project in an Amount Not to Exceed \$63,840.00

**David Parker, City Engineer/CIP Executive
Paul Holzen, Engineering Director**

Eric Stuckey noted this has been an ongoing project. The dredging will begin again and a bathymetric survey will be completed to verify the contractor's pre-survey. Monthly surveys to verify payments, and a final survey to verify completion of the project will be done. Recovery of the additional costs will be pursued as part of the liquidated damages associated with this project.

6.* Consideration of RESOLUTION 2014-40, A Resolution to Award the Franklin Water Treatment Plant Interim UV System Installation Project (CF Contract No. 2014-0084) to Cumberland Valley Constructors, Inc. in the Amount Bid of \$99,750.00

David Parker, City Engineer/CIP Executive

David Parker related this is for the unique equipment needed to take care of disinfection and byproducts. A \$25,000 contingency is included.

7. Consideration of RESOLUTION 2014-39, A Resolution Supporting the TMA Pilot Bike Sharing Initiative

**Lisa Clayton, Parks Director
Catherine Powers, Planning & Sustainability Director
Kelly Dannenfeler, AICP, Principal Planner, PT**

Debbie Henry, TMA Group, and Pat Emery, TMA Task Force, played a short video on how a similar bike sharing program in Chattanooga works. The program is to lessen vehicle travel by using rent-a-bike stations. The pilot program would concentrate on areas of Cool Springs and Downtown.

The TMA task force identified an opportunity to apply for a four-year, 80/20 grant through the Metropolitan Planning Organization (MPO) for a bike sharing program. If awarded the full amount, the total proposed grant cost is \$2,342,660 with an additional 20% match (TMA is actively pursuing partners via corporative citizens interested in bike sharing) of \$585,665. Leading kiosk-based bike share systems are solar powered and require no hard-wiring. Data transmission is via cellular link.

Alderman Burger asked several questions about the program that were answered by Ms. Henry. There could be 15 stations and 150 bikes; initially, there would be 10 bikes per station. New stations could be added as the program progressed. Riders would provide their own helmets. The State of Tennessee requires helmets for children and strongly encourages adults to wear them. TMA Group would contract out bike maintenance. Chattanooga, TN and Portland, OR are mentoring franklin. Fare revenue goes back to program. Questions from other aldermen that were answered: Bikes on Main Street with no bicycle lanes--in Tennessee bikes are considered the same as vehicles. Good judgment should be used when riding on sidewalks. As for the accident rate, Chattanooga has a very low incident rate.

The resolution associated with this program is for endorsement by the City of Franklin and to provide help with the location of the bike stations. There is no money involved. Final approval for the grant applications is expected by the end of November making this a 2015 project. Ms. Henry noted the bikes are equipped with GPS systems and this would enable TMA to collect data.

8. Consideration of ORDINANCE 2014-04, An Ordinance to Rezone +/-7.64 Acres from Low Residential (R1) District to Agricultural (Ag) District for the Property Located at 4114 Murfreesboro Road, by the City of Franklin, Tennessee

Vice Mayor Ann Petersen, FMPC Representative

This was part of annexation in 2008 zoned Low Residential (R-1), but has always been a landscape development. The new owner wants to place an office with restrooms onsite. Staff recommends approval of the rezoning to Agricultural (AG). The Planning Commission recommended rezoning by a vote of 7-1, with Alderman Petersen voting against the request. The property must be rezoned to continue doing business.

Discussion:

- Alderman Burger said she walked the property and spoke with neighboring property owners; none are opposed to the AG rezoning.
- Alderman Petersen related she voted against the request at FMPC because nothing is growing there; just trucks coming in and out.
- Steve Wanamaker, owner of the property, said they are growing some shrubs and plan to have greenhouses on the back side of the property.
- Greg Gamble, Gamble Design Collaborative, representing the owner, distributed a summary of the property history, including the notification that the land use is illegal and non-conforming. Landscape Nursery is not defined in the Zoning Ordinance.
- A letter from Building and Neighborhood Services sent to Mr. Gamble in October 2012 listed four options: One of the options was to request rezoning of the property to agriculture, and if granted, the owner would be allowed to establish a retail or wholesale nursery, as defined by the State of Tennessee, and subject to applicable City standards.
- Catherine Powers noted Mr. Gamble and the property owner met with staff several times. They believe this is the best option.

9.* Consideration of RESOLUTION 2014-20, A Resolution Approving the Renaming of “Nichols Bend” PUD Subdivision to “Lockwood Glen” PUD Subdivision at Carothers Parkway, by the City of Franklin, Tennessee

Vice Mayor Ann Petersen, FMPC Representative

Ms. Powers noted staff recommends approval and BOMA approval is required.

10. Consideration of RESOLUTION 2014-36, A Resolution Approving a Development Plan Revision for the 7007 Moores Lane PUD Subdivision, Including Two Modifications of Standards, Located at 7007 Moores Lane, by the City of Franklin, Tennessee

Vice Mayor Ann Petersen, FMPC Representative

Ms. Powers explained the Development Plan was approved not long ago. There were issues on site necessitating changes to reduce commercial and assisted living sizes and the addition of villas. Modification of Standards: 1) Increase the maximum building length of any attached residential building from 200 feet to a length of 375 feet. 2) Reduce the minimum finished floor elevation of the front façade above the grade from 18 inches to 6 inches for the independent living villas to accommodate ADA accessibility to each unit.

11. Consideration of Contract Award to Cowan Benefit Services, Inc. of Franklin, TN for Group Employee Insurance Benefits Consulting Services in the Total Fixed Flat Fee Amount of \$50,000 Per Year for a Term of Award of Three (3) Years, Effective Upon Acceptance by the City, with Two (2) Options to Extend the Term of Award, Each Time for Up to One (1) Additional Year, for the Human Resources Department (Purchasing Office Procurement Solicitation No. 2014-021; \$60,000.00 Budgeted in 110-82560-41650 for Fiscal Year 2014; Contract No. 2014-0107)

Shirley Harmon, Human Resources Director

Shirley Harmon and Tammie Pitts addressed this item. The consulting service is to assist with the regulations of the Healthcare Act and other issues such as retiree insurance.

12. Discussion of Highway 96 West Sidewalk Project

David Parker, City Engineer/CIP Executive

A sidewalk project from Freedom Middle School to the intersection of Downs Boulevard and Highway 96W was included in the FY2014-2018 CIP and was approved as a 5 foot wide section with an estimated cost of \$108,220. At this point staff has completed a preliminary design of the sidewalk and seeks additional direction. Two issues for discussion:

- 1) During the initial budgeting process staff made some assumptions on the amount of fill needed and number of easements required for the project. Now that the preliminary design is completed we have discovered that additional fill will be necessary to complete the project and slope easements will need to be obtained from the Founders Pointe Homeowners Association.
- 2) During the initial estimating process for the project staff did not consider the 12 ft. wide multiuse path currently under construction along SR96 as part of the Carlisle Lane and SR 96 Signalization Project. This multiuse path will one day connect to the trail system proposed as part of the Mack Hatcher Extension Project. Staff would like additional direction to determine if the City should construct a 12 ft. multiuse path vs. a 5 ft. wide sidewalk along SR 96. In addition, we need to determine if the Board wants to extend the project limits to Vintage Grove Lane to provide connectivity with the multiuse path that is part of the Carlisle Lane and SR 96 Signalization Project.

Mr. Stuckey noted the CIC requested the full Board discuss options for this sidewalk.

Option 1: Construct 5 ft. sidewalk from Downs Boulevard to Freedom Middle School as approved in the FY2014-2018 CIP. Revised estimate is \$145,287 (\$133,287 Construction + \$12,000 Easements) to include the additional fill material and slope easements.

Option 2: Construct 12 ft. multiuse path along Highway 96 from Downs Boulevard to Freedom Middle School. Estimate is \$202,575 (\$190,575 Construction + \$12,000 Easements)

Option 3: Construct 5 ft. sidewalk from Vintage Grove Lane to Freedom Middle School. Estimate is \$333,737 (\$309,737 Construction + \$24,000 Easements)

Option 4: Construct 12 ft. multiuse path along Highway 96 from Vintage Grove Lane to Freedom Middle School. Estimate is \$469,793 (\$445,793 Construction + \$24,000 Easements)

Discussion:

- Alderman Martin supported Option 4.
- Alderman Blanton commented on the increase in cost; however, cannot continue to piecemeal. It is all about connectivity and greenways. Supported Option 4 as well.
- Alderman Bransford commented on the great need to have connectivity to Freedom Intermediate School.
- Further comments and questions: Is right-of-way required for 12 ft. option; is it worth spending almost \$500,000 on the sidewalk.
- Jonathan Marston noted the Safe Route to School Grant Program is running out of funds. Not an option to wait for that.
- Paul Holzen is designing the sidewalk farther back from the road.
- David Parker noted a proposal for a survey is an item on the BOMA agenda tonight.

13. Consideration of the Agreement with HPT TA Properties Trust (COF Contract No. 2014-0051) for the Goose Creek Sanitary Sewer Extension from West of I-65 to East of I-65

David Parker, City Engineer/CIP Executive

This item is to start working on sanitary sewer for this quadrant. Owners of the truck stop agreed to pay for half of the initial line. Working with the County for possible sewer availability at the Ag Center and adjoining properties.

14. Presentation and Discussion Concerning the Water Reclamation Facility Modifications and Expansion Project (COF Contract No. 2013-0001)

David Parker, City Engineer/CIP Executive

Zack Daniel of CDM Smith gave the presentation.

WRF Improvements:

- Liquids Process
 - New Headworks (Screening/Grit Removal)
 - 10 million gallon Flow Equalization Tank (Wet Weather Storage)
 - New Oxidation Ditch Splitter Box
 - Oxidation Ditch Improvements (Additional Blowers, Aeration System Improvements)
 - Modified Clarifier Splitter Box
 - New Alum Chemical Feed System for Phosphorus Removal
 - Modifications to Tertiary Filter Piping System
 - New UV Disinfection System
 - Modifications to the Reclaimed Water Pump Station
 - Plant Wide Flow Metering Modifications and Improvements
- Solids Process
 - Fats, Oils & Grease (FOG) Receiving Station
 - New Waste Activated Sludge (WAS) Storage
 - Pre-Dewatering
 - Thermal Hydrolysis
 - Anaerobic Digesters (Two Tanks)
 - Combined Heat and Power (CHP) System
 - Screw Press Post-Dewatering
 - Solar Drying (Alternate Bid to the Biosolids Package)
 - Reconfigured Truck Loading Area
 - Biosolids System-wide Odor Control
- Anticipated Project Schedule
 - Final Design completion March 2015
 - Bidding & Procurement March 2015-July 2015
 - Construction August 2015-October 2017
 - Start-up & Commissioning November 2017-January 2018

Evolution of Project Costs

- Wastewater Recommendations from IWRP
 - Total (WRF and SCADA Upgrades) \$ 89.4 M
- Current Wastewater Design

WRF and SCADA Upgrades	\$ 50.5 M (30% Design)
<u>Biosolids Upgrades</u>	<u>\$ 52.0 M (10% Design)</u>
Total	\$102.5 M

There is talk about going on and doing the SCADA upgrades ahead of the rest of the plant. Another cost estimate will be done at the end of June

Details of Cost Breakdown

Liquids Phase	
SCADA (WRF & Collection/Distribution System)	\$ 1,700,000
Site Work & Demolition	\$ 4,300,000
Headworks	\$ 8,000,000
Equalization	\$ 7,300,000
Biological Treatment	\$ 5,300,000
Filter Gallery	\$ 1,000,000
UV System	\$ 1,900,000
Reclaimed Water PS	\$ 300,000
Electrical Improvements	\$ 9,400,000
Maintenance of Plant Operations	\$ 300,000
Painting & Caulking Allowance	\$ 300,000
Subtotal	\$ 39,800,000
Contingency (20%)	\$ 7,900,000
Subtotal	\$ 47,700,000
Escalation to July 2015 (6%)	\$ 2,800,000
Grand Total (Liquids Phase Improvements)	\$50,500,000

Biosolids Phase	
Screening & Pre-Dewatering	\$ 4,700,000
Anaerobic Digestion, Thermal Hydrolysis & Combined Heat and Power Co-Generation	\$ 7,000,000
Post Dewatering	\$ 500,000
Solar Dryer	\$ 2,600,000
Manufacturer's Equipment	\$ 23,000,000
Subtotal	\$ 37,800,000
Contingency (30%)	\$ 11,300,000
Subtotal	\$ 49,100,000
Escalation to July 2015 (6%)	\$ 2,900,000
Grand Total (Biosolids Phase)	\$52,000,000

They are still looking at ways to cut costs

Impacts on Project Costs (Estimated Construction and Design)

- New Headworks Facility
- Expanded Wet Weather Equalization Capacity
- Site-wide Electrical Modifications (Reliability/Redundancy)
- Expanded Biosolids System to include Thermal Hydrolysis Process (THP)

Rate Impacts

Rate Criteria/Assumptions

- Anticipated costs of improvements is \$102.5 M
- All improvements are funded with debt
- Initial 16-mgd facility (75% existing rate payer funded/25% development funded/growth related)
- 2.82% interest rate amortized over 20 years (per SRF letter)
- 3.0% growth rate
- Based on an average 7,000 gallons/month residential customer
- Assumes the estimated O&M costs for the current operation continue for the increasing demands

Estimated Rate Impacts (Associated only with WRF Expansion)

- Bar graph reviewed showing Initial Plant Improvements – Impact of Debt Service on Residential Inside Rates (Plant & Other and Biosolids)

Based on the current estimated project cost, the effect on the average user would be:

- Average User Inside City Limits (7,000 gallons)
- Current User Fee: \$41.57 (2014 Wastewater Rate Schedule)
- Anticipated User Fee: \$57.09 (\$15.52 increase by 2019)

Comparison of Rates with Surrounding Communities – Wastewater Rates Based on average inside residential customer (7,000 gallons/month)

- | | | | |
|-----------------------------------|---------|------------------------|---------|
| • Brentwood | \$47.68 | • Metro Water Services | \$42.51 |
| • Harpeth Valley Utility District | \$58.06 | • Dickson/Fairview | \$49.05 |
| • Franklin | \$41.57 | • Spring Hill | \$34.67 |
| • Franklin (2019 Anticipated) | \$57.09 | • Whitehouse | \$69.92 |
| • Berry’s Chapel | \$64.59 | • Goodlettsville | \$58.24 |
| • Murfreesboro | \$48.89 | | |

Potential Flow Growth

WWTP	Drainage Basin	2010 adf, gpd	2040 adf, gpd
North	Watson Branch	2,850,000	7,620,440
North	Spencer Creek	2,700,000	6,250,000
North	West	430,500	3,913,650
North	Central Franklin	1,842,000	1,842,000
North	Fieldstone & Monticello	821,000	821,000
North	Meadowgreen	160,000	160,000
	North Plant Subtotal	8,803,500	20,607,090
South	Mayes Creek	0	4,450,600
South	Goose Creek	695,000	4,300,000
South	Southwest Basins	0	1,250,000
	South Plant Subtotal	605,000	10,000,600
	TOTAL	9,498,500	30,607,690

Ultimate Capacity

- Recent wastewater flow projections have increased
- Phase I (2018-2023) – Solids Design – Capacity: 16 mgd
- Phase II (2024-2031) – Expand to 20 mgd
- Phase III (2032-2040) – Expand to 24 mgd
- Ultimate Solids Capacity = 24 mgd
- 2012–2040 Wastewater Flow Capacity 2013 projection a steady rise from approximately 11 mgd to approximately 31 mgd in 2040, which is higher than that 2011 projections.
- Higher flow projection increases loads to solids process
- 16 mgd Solids Facility reaches Capacity in 2019 (4 years early)
- 20 mgd Solids Facility reaches Capacity in 2025 (6 years early)
- 24 mgd Solids Facility reaches Capacity in 2031 (9 years early)

Discussion:

- Vice Mayor Petersen commented the projected construction costs are up and the design costs have doubled as well.
- Mr. Daniel responded that at this level of design he would expect costs to go down.
- Vice Mayor Petersen expressed concern about the \$15/month cost increase to the consumer. Additionally, she wanted a list of the persons involved in cost estimations; expressed concern regarding training and sludge characteristics.
- Alderman Bransford commented this project is good planning toward the future.

15. Consideration of Amendment No. 1 to the CDM Smith Professional Services Agreement (COF Contract No. 2013-0001 for the Franklin Wastewater Reclamation Facility Modifications and Expansion Project

David Parker, City Engineer/CIP Executive

Things came up that created new design issues. Some areas decreased while others increased. Staff has been working with CDM Smith for months to determine needs versus wants. Design cost is still around 5% of the construction cost. Need to continue forward with this project and get the design. Electrical was not included before.

16. Presentation and Discussion Concerning the Water Treatment Plant Modifications and Upgrades Project (COF Contract No. 2012-0183)

David Parker, City Engineer/CIP Executive

Due to time constraints, this item will be addressed at the next Work Session.

ADJOURN

Work Session adjourned @ 7:02 p.m.

Dr. Ken Moore, Mayor

Minutes prepared by: Linda Fulwider, Board Recording Secretary, City Administrator's Office - updated 7/1/2014 10:07 AM