



**AGENDA  
CITY OF HARRISONVILLE  
PUBLIC WORKS COMMITTEE  
REGULAR MEETING  
CITY HALL  
NOVEMBER 7, 2013  
6:00 PM**

- I. Call to Order**
  - A. Roll Call**
- II. Approval of Minutes**
  - A. Public Works Committee - Regular Meeting - Oct 3, 2013 6:00 PM**
- III. Agenda Items**
  - A. Gaslight Plaza Driveway Appeal**
  - B. Water Treatment Facilities Plan**
  - C. Sales Tax Ballot Options**
  - D. Sales Tax Funded Improvements**
- IV. Public Works Project Updates**
- V. Airport Reports**
  - A. Airport report**
- VI. General Discussion**
- VII. Adjourn**

**This meeting will be open to the public.**

**Posted on City Hall Bulletin Board this day of**

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**Kim Hubbard, City Clerk**



**DRAFT**  
**MINUTES**  
**CITY OF HARRISONVILLE**  
**PUBLIC WORKS COMMITTEE**  
**REGULAR MEETING**  
**CITY HALL**  
**OCTOBER 3, 2013**  
**6:00 PM**

**I. Call to Order**

The meeting was called to order at 6:01 PM by Chair Ivan Stull

| Attendee Name   | Title     | Status  | Arrived |
|-----------------|-----------|---------|---------|
| Kevin Wood      | Member    | Present |         |
| Doug Meyer      | Alternate | Absent  |         |
| Morris Coburn   | Member    | Present |         |
| David Dickerson | Member    | Present |         |
| Ivan Stull      | Chair     | Present |         |
| Bill Mollenhour | Member    | Present |         |

*Others Present: City Administrator Keith Moody, Public Works Director Jerry Gibbs, Assistant Public Works Director Eric Patterson, Public Information Officer Sheryl Stanley, Airport Manager James Green, Jeff Kline and Nathan Dunahee with Burns and McDonnell and Sara Davis with OATS.*

**II. Approval of Minutes**

**A. Public Works Committee - Regular Meeting - Sep 5, 2013 6:00 PM** Accepted

**III. Agenda Items**

**A. Public Transportation Discussion**

*Mr. Moody reported the last 2 years of the citizen satisfaction survey has showed dissatisfaction with the lack of public transportation. There was another survey distributed to citizens with specific questions regarding public transportation. This information was shared with OATS and by doing so the City learned many of the services desired by Harrisonville citizens are offered by OATS.*

*Sara Davis (OATS), distributed information to everyone and shared how the system is funded, that drivers assist each person if needed, the cost is \$2.50 each way, and that OATS is trying to change their image to appeal to more groups. Ms. Davis reported that OATS is looking into offering bus wraps to businesses as a way to advertise and a way for the company to raise more funds.*

*There was discussion about sharing the information regarding OATS in the Harrisonville Happenings newsletter and to stay updated on the bus wraps as more information becomes available.*

## **B. CIPP on Ann Avenue**

*Mr. Patterson explained the sanitary sewer line from Ann Terrace to James Street needs to be replaced but would very expensive and disruptive to the home owners. Mr. Patterson went on to explain that the City of Independence has contracted with Instuform Technologies, USA doing CIPP (cure in place pipe) which cost less and that the City could "piggyback" onto their contract and get their discount.*

## **C. WATER TREATMENT IMPROVEMENTS**

*This item was moved to the top of the agenda. Mr. Gibbs reviewed and told the committee he needed their input regarding the priorities and direction on how staff should proceed.*

*There was discussion regarding the taste and odor of the water and that prime time for this is spring and fall, reviewed that the age of the current facility is 40 years old and there are new regulations always being implemented.*

*Mr. Gibbs turned it over to Jeff Kline (Burns & McDonnell). Mr. Kline presented a power point and reviewed the following:*

*Reuse of infrastructure, basin 1 & 2, filter building, clearwell, and chemical building.*

*Payment options-the benefits and cons of paying as you go and bonding*

*Change of priorities and the funding challenges*

*Mr. Moody reminded everyone of the situation the city was in when the lightening strike happened, asked them to think about the items that have been brought to their attention through this process, long range planning needs to be looked at and to take into consideration what needs to be done later.*

*Fix or expand as needed*

*Optimize process*

*Taste & odor - PAC or Ozone*

*There was discussion regarding a bond issue and the different amounts we could do a bond for and that the Board and Mr. Moody would need to meet with the Bond Counsel to get accurate numbers.*

## **IV. Public Works Project Updates**

### **A. Updates**

Minutes Acceptance: Minutes of Oct 3, 2013 6:00 PM (Approval of Minutes)

Mr. Patterson showed the camera that Redzone would be using for the sewer inspections. It was noted that Harrisonville is the first city in Missouri to use this type of camera inspection.

Mr. Gibbs reported that there was a pre-construction meeting today on the Independence Bridge Project and that the anticipated start date will be around the end of October.

Preliminary drawings for the Mechanic Street Project should be coming in, and the Gaslight Plaza Drive issue will be coming back to the Public Works committee next month. MoDOT will not include the driveway in the project.

## **V. Airport Reports**

### **A. Airport Report**

*Mr. Green reviewed that the Airport Layout Plan agreement and Agreement to Design South T-Hangar Pavement for have been approved and once the signed agreements and grant are in place then staff will issue the notice to proceed.*

*Mr. Green gave an update on the airport land appraisal and explained that staff believes that the appraisal of the land is undervalued due to the lack of comparable land.*

## **VI. General Discussion**

There was no general discussion.

## **VII. Adjourn**

Alderman Coburn moved to adjourn the meeting. Alderman Dickerson seconded the motion and it was approved by a voice vote at 7:46 p.m.

\_\_\_\_\_  
Kevin Wood, Mayor & Ex-Officio  
Chairman of the Board of Aldermen

ATTEST:

\_\_\_\_\_  
Kim Hubbard, City Clerk



**TO:** Public Works Committee  
**FROM:** Jerry Gibbs, Director  
**DATE:** October 4, 2013  
**SUBJECT:** Gaslight Plaza Driveway Appeal

**Type of Item:** *Report*

MoDOT and Tim Soulis have reached an agreement to allow him to have a right in only access (with no median on Commercial) located just west of the culvert. MoDOT will design as part of the 291 plans. The right in will be designed for autos and will impact about five parking spaces.

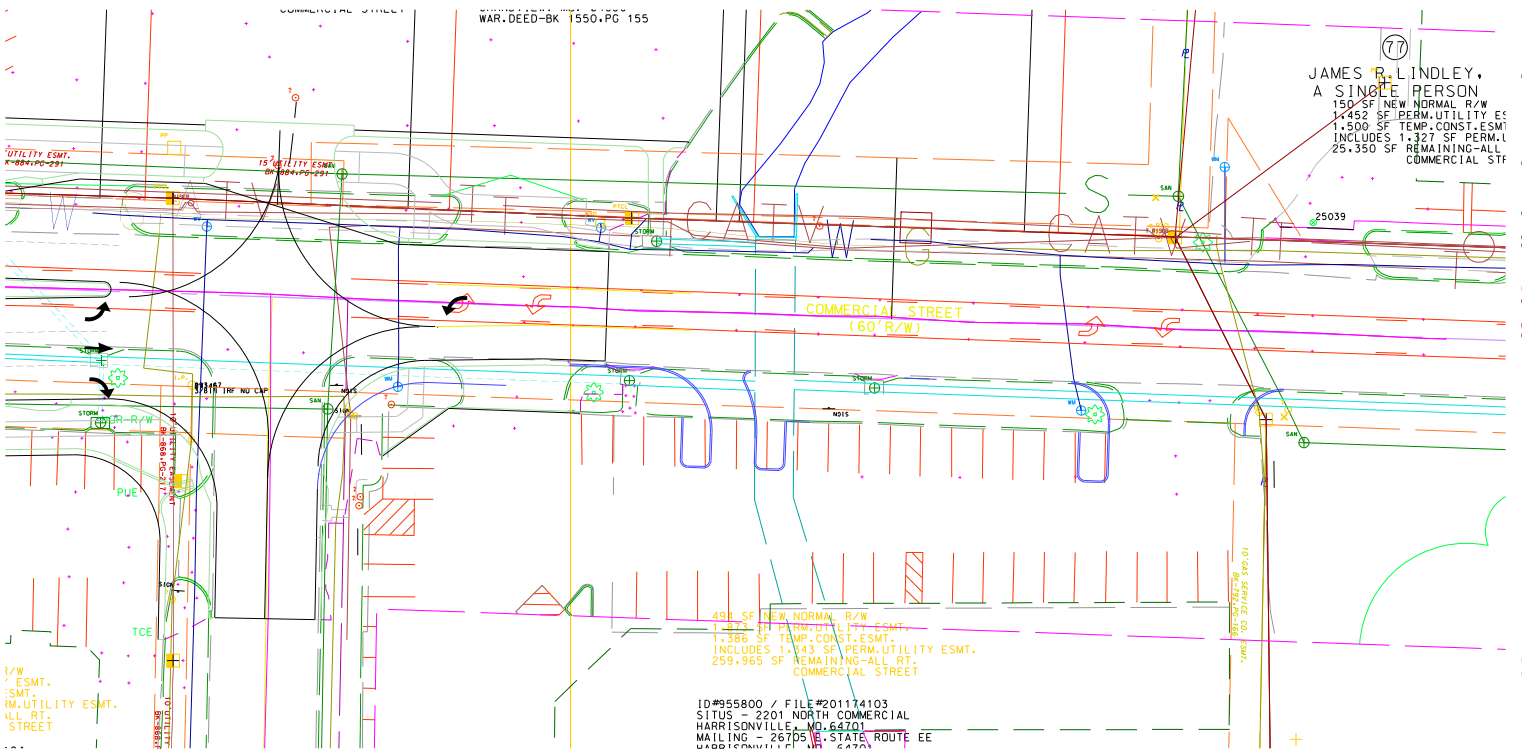
The right in only access will be on a city street and therefore is subject to approval by the City. We ask this committee provide approval or denial of the right in only access.

**A. Discussion Item (ID # 1206)**

Gaslight Plaza Driveway Appeal

Attachments:

RTE291\_PLAN1\_J4P1475\_RI.pdf (PDF)



Attachment: RTE291\_PLAN1\_J4P1475\_RI.pdf (Gaslight Plaza Driveway Appeal)



## STAFF REPORT

**TO:** Public Works Committee  
**FROM:** Jerry Gibbs, Director  
**DATE:** October 28, 2013  
**SUBJECT:** Water Treatment Facilities Plan

**Type of Item:** *Amendment*

**Background** - Phase 1 of the Burns and McDonnell Raw Water infrastructure Improvements have been completed. The results show:

- ☐ Taste and odor issues can be eliminated with the addition of ozone generators
- ☐ The existing water treatment plant infrastructure can be rehabilitated but a filter evaluation must be completed first to determine if filters can be rated to treat more than 3 mgd. The current rating is limited to 2.4 MGD.
- ☐ Lake Harrisonville is viable for another 30 years, however, the power supply and water overflow needs immediate attention.
- ☐ The high service pumps and wet well need to be upgraded to allow continual service when a pump needs replacement or maintenance.
- ☐ Larger utility connects with PWD #9 are necessary to supply water for any period of time. Final sizing to be determined by modeling. And
- ☐ A Facility Plan is required by DNR prior to any improvements or if DNR funds are used for improvements or to file an SRF application

**Issue** - Phase 2 of the Raw Water Infrastructure Improvements is the beginning of the planning and design phase. Kansas City Power and Light is currently reviewing the infrastructure needs to provide overhead power to the intake structure. Burns and McDonnell are submitting their proposed scope and fees to:

- ☐ Complete a filter evaluation to determine the conditions of the filters and requirements to improve rating to excess of 3 mgd;
- ☐ Complete a Facilities Plan which will outline costs and identify timing if projects can be funded on a pay as you go or SRF through DNR; and
- ☐ Engineering to repair the overflow outlet structure

The work is anticipated to take approximately 6 months. The estimated value for the work is Filter evaluation \$37,900, Facility Plan \$79,990 and the overflow preliminary engineering design would be less than \$50,000 or a total not to exceed of \$167,890. Representatives will be available from Burns and McDonnell to discuss to answer questions concerning their scope of services.

This would be amendment 1 to the original contract for the Facilities Plan and the Filter Evaluation. If you

remember it was decided to break the engineering down into more manageable pieces to allow flexibility to change direction if issues suggested a change. An amendment will be necessary for each new phase of the overall project.

Staff is recommending approval.

**B. Discussion Item (ID # 1220)**

Water Treatment Facilities Plan

Attachments:

Proposed Scope and Fee 101513 amendment 1 (PDF)

BMcD Amendment to Professional Services Agreement 10-29-13 Amendment 1 (PDF)

Harrisonville Amendment 1 updated Burns and McDonnell (PDF)

Table 1  
Water System Facility Plan  
STAFF HOURS & FEE  
Harrisonville. MO

| Scope                                                              | Hours      | Fee           | Labor Subtotal | Expenses     | Total         |
|--------------------------------------------------------------------|------------|---------------|----------------|--------------|---------------|
| <b>FILTER EVALUATION</b>                                           |            |               |                |              |               |
| 1. Data collection and review                                      |            |               |                |              |               |
| Lead Process Engineer (Level 14)                                   | 4          | 708           |                |              |               |
| Process Engineer (Level 9)                                         | 12         | 1,536         | 2,244          | 159          | 2,403         |
| 2. Filter Observation and Evaluation:                              |            |               |                |              |               |
| 2.1 Media Observation (4 Filters)                                  |            |               |                |              |               |
| 2.2 Underdrain Observation (1 Filter)                              |            |               |                |              |               |
| 2.3 Backwash Evaluation (4 Filters)                                |            |               |                |              |               |
| Lead Process Engineer (Level 14)                                   | 16         | 2,832         |                |              |               |
| Process Engineer (Level 9)                                         | 70         | 8,960         | 11,792         | 1,546        | 13,338        |
| 3. Media Testing                                                   |            |               |                |              |               |
| Process Engineer (Level 9)                                         | 8          | 1,024         | 1,024          | 2,500        | 3,524         |
| 4. Reports:                                                        |            |               |                |              |               |
| 4.1 Prepare draft technical memo (TM) for OWNER review and comment |            |               |                |              |               |
| Project Manager (Level 16)                                         | 4          | 816           |                |              |               |
| Lead Process Engineer (Level 14)                                   | 8          | 1,416         |                |              |               |
| Process Engineer (Level 9)                                         | 32         | 4,096         | 6,328          | 438          | 6,766         |
| 4.2 Upon receipt of comments, finalize TM                          |            |               |                |              |               |
| Project Manager (Level 16)                                         | 2          | 408           |                |              |               |
| Lead Process Engineer (Level 14)                                   | 4          | 708           |                |              |               |
| Process Engineer (Level 9)                                         | 16         | 2,048         | 3,164          | 219          | 3,383         |
| 5. Process Workshop (one)                                          |            |               |                |              |               |
| Project Manager (Level 16)                                         | 4          | 816           |                |              |               |
| Lead Process Engineer (Level 14)                                   | 4          | 708           |                |              |               |
| Process Engineer (Level 9)                                         | 6          | 768           | 2,292          | 173          | 2,465         |
| 6. PM / QA/QC                                                      |            |               |                |              |               |
| Project Manager (Level 16)                                         | 20         | 4,080         |                |              |               |
| QA/QC Engineer (Level 16)                                          | 8          | 1,632         | 5,712          | 279          | 5,991         |
| <b>TOTALS</b>                                                      | <b>218</b> | <b>32,556</b> | <b>32,556</b>  | <b>5,314</b> | <b>37,870</b> |

Attachment: Proposed Scope and Fee 101513 amendment 1 (Water Treatment Facilities Plan)

Table 2  
Water System Facility Plan  
STAFF HOURS & FEE  
Harrisonville. MO

| Scope                                                                                                                                             | Hours | Fee    | Labor Subtotal | Expenses | Total  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|----------------|----------|--------|
| CAPITAL FACILITIES PLAN                                                                                                                           |       |        |                |          |        |
| 1 Project initiation workshop.                                                                                                                    |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 4     | 816    |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                  | 4     | 736    | 1,552          | 114      | 1,666  |
| 2 Develop site layout base map and electrical one-line.                                                                                           |       |        |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 2     | 256    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                    | 8     | 1,312  |                |          |        |
| Detailer (Level 12)                                                                                                                               | 4     | 656    | 2,224          | 139      | 2,363  |
| 3 Develop concept design for reuse of existing chemical feed/electrical building. Review existing plans and determine phasing for implementation. |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 4     | 816    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 12    | 1,536  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                    | 4     | 708    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                    | 20    | 3,280  |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                    | 12    | 2,124  |                |          |        |
| Civil Engineer (Level 13)                                                                                                                         | 4     | 708    |                |          |        |
| Architect (Level 11)                                                                                                                              | 12    | 1,848  |                |          |        |
| Detailer (Level 12)                                                                                                                               | 8     | 1,312  | 12,332         | 239      | 12,571 |
| 4 Develop concept design for a new chemical feed/electrical building.                                                                             |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 4     | 816    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 12    | 1,536  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                    | 8     | 1,416  |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                    | 12    | 1,968  |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                    | 8     | 1,416  |                |          |        |
| Civil Engineer (Level 13)                                                                                                                         | 4     | 708    |                |          |        |
| Architect (Level 11)                                                                                                                              | 12    | 1,848  |                |          |        |
| Detailer (Level 12)                                                                                                                               | 4     | 656    | 10,364         | 199      | 10,563 |
| 5 Develop concept design for a ozone building and associated equipment.                                                                           |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 2     | 408    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 8     | 1,024  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                    | 4     | 708    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                    | 4     | 656    |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                    | 4     | 708    |                |          |        |
| Civil Engineer (Level 13)                                                                                                                         | 0     | 0      |                |          |        |
| Architect (Level 11)                                                                                                                              | 4     | 616    |                |          |        |
| Detailer (Level 12)                                                                                                                               | 4     | 656    | 4,776          | 80       | 4,856  |
| 6 Develop concept for the new rapid mix system for both chemical feed building alternatives.                                                      |       |        |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                  | 2     | 368    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 4     | 512    |                |          |        |
| Structural Engineer (Level 13)                                                                                                                    | 0     | 0      |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                    | 0     | 0      |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                    | 0     | 0      |                |          |        |
| Civil Engineer (Level 13)                                                                                                                         | 0     | 0      |                |          |        |
| Architect (Level 11)                                                                                                                              | 0     | 0      |                |          |        |
| Detailer (Level 12)                                                                                                                               | 0     | 0      | 880            | 0        | 880    |
| 7 Develop concept for Basin 1 equipment replacement and plate settlers or tube settlers abd Basin 2 concrete repair.                              |       |        |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                  | 4     | 736    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 8     | 1,024  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                    | 4     | 708    |                |          |        |
| Detailer (Level 12)                                                                                                                               | 0     | 0      | 2,468          | 40       | 2,508  |
| 8 Develop concept design for filter improvements based on filter evaluation.                                                                      |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 2     | 408    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 16    | 2,048  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                    | 4     | 708    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                    | 4     | 656    |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                    | 4     | 708    |                |          |        |
| Civil Engineer (Level 13)                                                                                                                         | 0     | 0      |                |          |        |
| Architect (Level 11)                                                                                                                              | 4     | 616    |                |          |        |
| Detailer (Level 12)                                                                                                                               | 0     | 0      | 5,144          | 40       | 5,184  |
| 9 Develop yard layout with new facilities, piping, and power and instrument cables.                                                               |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 2     | 408    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 8     | 1,024  |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                    | 4     | 656    |                |          |        |
| Detailer (Level 12)                                                                                                                               | 4     | 656    | 2,744          | 159      | 2,903  |
| 9 Develop economics.                                                                                                                              |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 8     | 1,632  |                |          |        |
| Estimator (Level 14)                                                                                                                              | 24    | 4,512  |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 8     | 1,024  | 7,168          | 318      | 7,486  |
| 10 Reports:                                                                                                                                       |       |        |                |          |        |
| 10.1 Prepare draft report for OWNER review and comment.                                                                                           |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 16    | 3,264  |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                  | 4     | 736    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 20    | 2,560  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                    | 4     | 708    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                    | 8     | 1,312  |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                    | 4     | 708    |                |          |        |
| Civil Engineer (Level 13)                                                                                                                         | 4     | 708    |                |          |        |
| Architect (Level 11)                                                                                                                              | 4     | 616    |                |          |        |
| Detailer (Level 12)                                                                                                                               | 8     | 1,312  | 11,924         | 159      | 12,083 |
| 10.2 Upon receipt of comments, finalize report.                                                                                                   |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 4     | 816    |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                  | 8     | 1,472  | 2,288          | 119      | 2,407  |
| 11 Process Workshops (one)                                                                                                                        |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 4     | 816    |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                  | 4     | 736    |                |          |        |
| Process Engineer (Level 9)                                                                                                                        | 4     | 736    | 2,288          | 153      | 2,441  |
| 12 PM / QA/QC                                                                                                                                     |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                        | 40    | 8,160  |                |          |        |
| QA/QC Engineer (Level 16)                                                                                                                         | 16    | 3,264  | 11,424         | 557      | 11,981 |
| TOTALS                                                                                                                                            | 458   | 77,576 | 77,576         | 2,317    | 79,893 |



## AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT ENGINEER-OWNER AGREEMENT

**AMENDMENT No. 1**

**Date: October 29, 2013**

**THIS AMENDMENT** modifies the Agreement dated January 24, 2013 made by and between **Burns & McDonnell Engineering Company, Inc.**, hereinafter called **ENGINEER**, and the City of Harrisonville, a Missouri municipal corporation, hereinafter called the "City," for the following Project: Water Facilities Plan. For good and valuable consideration, the sufficiency of which is acknowledged, the parties agree to make the following changes to their Agreement.

1. The parties agree that the **ENGINEER's** Scope of Services is amended as follows:
  - a. Prepare and conduct Project Initiation Workshop with City engineering and WTP operations staff to review Phase 1 and 2 recommendations and discuss Phase 3 work which will include a Capital Facilities Plan for the Water Treatment Plant (WTP) and a WTP Filter Evaluation.
  - b. Perform WTP Filter Evaluation for all filters consisting of review of historical performance data, physical inspection of media and filter components, gradation analysis of media samples (2 per filter), analysis of media samples for manganese (1 per filter), and backwash inspection; perform underdrain observation for one filter.
  - c. Prepare draft Technical Memo (TM) detailing existing filter conditions, results of all tests and observations performed during the Filter Evaluation, and recommended improvements. Upon receipt of City comments, issue a final Filter Evaluation TM.
  - d. Prepare and conduct Filter Workshop with City engineering and WTP operations staff to review Filter Evaluation findings and recommendations.
  - e. Evaluate feasibility and develop a conceptual design for reuse of existing Chemical Feed/Electrical Building. Existing plans will be reviewed and phasing for implementation will be determined.
  - f. Develop a conceptual design for a new Chemical Feed/Electrical Building if reuse of the existing building is not feasible.
  - g. Develop a conceptual design for a new Ozone Building and associated ozone equipment.
  - h. Develop a conceptual design for a new rapid mix system for reuse of the existing Chemical Feed/Electrical Building; develop a conceptual design for a new rapid mix system for the new Chemical Feed/Electrical Building if reuse of the existing building is not feasible.
  - i. Develop a conceptual design for replacement of equipment in Basin 1 and installation of plate settlers or tube settlers. Prepare conceptual design for concrete repairs in Basin 2.
  - j. Develop a conceptual design for filter improvements based on Filter Evaluation.
  - k. Develop site layout map and electrical one-line for the proposed improvements.
  - l. Develop a conceptual design for yard layout with new facilities and major process piping.
  - m. Develop economic "order of magnitude" opinion of probable cost for Capital Facilities Plan based on the conceptual designs.
  - n. Prepare draft TM detailing the complete Capital Facilities Plan including developed conceptual design and opinion of probable cost. Upon receipt of City comments, issue a final Capital Facilities Plan TM.
  - o. Prepare and conduct Process Workshop with City engineering and WTP operations staff to review Capital Facilities Plan.
  - p. Provide project management and quality control/assurance.
2. The following adjustments are made to the **ENGINEER's** compensation:  
The Fee for Work described in this AMENDMENT shall be the not to exceed amount of \$117,763.

3. The time for completion of ENGINEER's Services is adjusted as follows:  
The draft Filter Evaluation TM will be issued within three months and the draft Facilities Plan TM will be issued to the City within four months from the time that a signed Amendment from the OWNER is received by the ENGINEER.
4. Other changes to the Agreement, if any, are stated below:  
None.
5. The terms of this AMENDMENT supersede any contrary terms of the Agreement. This AMENDMENT will be deemed a part of, and be subject to, all other terms and conditions of the Agreement. Except as modified above, the Agreement will remain in full force and effect.

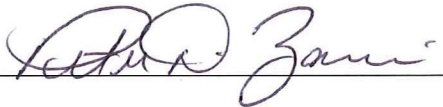
IN WITNESS WHEREOF, the parties have executed this AMENDMENT the day and year first written above.

**THIS AGREEMENT CONTAINS A BINDING ARBITRATION PROVISION, WHICH MAY BE ENFORCED BY THE PARTIES.**

**CITY: City of Harrisonville, Missouri**

**ENGINEER: Burns & McDonnell Engineering Company, Inc.**

By: \_\_\_\_\_

By:  \_\_\_\_\_

Name: Keith Moody

Name: Peter D. Zanon, P.E.

Title: City Administrator

Title: Vice President

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: City Clerk



## AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT

### AMENDMENT No. 1

Date: October 29, 2013

**THIS AMENDMENT** modifies the Agreement dated January 24, 2013 made by and between **Burns & McDonnell Engineering Company, Inc.**, hereinafter called ENGINEER, and the City of Harrisonville, a Missouri municipal corporation, hereinafter called the "City," for the following Project: Water Facilities Plan and Preliminary Engineering Study for Lake Harrisonville Spillway Replacement. For good and valuable consideration, the sufficiency of which is acknowledged, the parties agree to make the following changes to their Agreement.

1. The parties agree that the ENGINEER's Scope of Services is amended as follows:
  - a. Prepare and conduct Project Initiation Workshop with City engineering and WTP operations staff to review Phase 1 and 2 recommendations and discuss Phase 3 work which will include a Capital Facilities Plan for the Water Treatment Plant (WTP) and a WTP Filter Evaluation.
  - b. Perform WTP Filter Evaluation for all filters consisting of review of historical performance data, physical inspection of media and filter components, gradation analysis of media samples (2 per filter), analysis of media samples for manganese (1 per filter), and backwash inspection; perform underdrain observation for one filter.
  - c. Prepare draft Technical Memo (TM) detailing existing filter conditions, results of all tests and observations performed during the Filter Evaluation, and recommended improvements. Upon receipt of City comments, issue a final Filter Evaluation TM.
  - d. Prepare and conduct Filter Workshop with City engineering and WTP operations staff to review Filter Evaluation findings and recommendations.
  - e. Evaluate feasibility and develop a conceptual design for reuse of existing Chemical Feed/Electrical Building. Existing plans will be reviewed and phasing for implementation will be determined.
  - f. Develop a conceptual design for a new Chemical Feed/Electrical Building if reuse of the existing building is not feasible.
  - g. Develop a conceptual design for a new Ozone Building and associated ozone equipment.
  - h. Develop a conceptual design for a new rapid mix system for reuse of the existing Chemical Feed/Electrical Building; develop a conceptual design for a new rapid mix system for the new Chemical Feed/Electrical Building if reuse of the existing building is not feasible.
  - i. Develop a conceptual design for replacement of equipment in Basin 1 and installation of plate settlers or tube settlers. Prepare conceptual design for concrete repairs in Basin 2.
  - j. Develop a conceptual design for filter improvements based on Filter Evaluation.
  - k. Develop site layout map and electrical one-line for the proposed improvements.
  - l. Develop a conceptual design for yard layout with new facilities and major process piping.
  - m. Develop economic "order of magnitude" opinion of probable cost for Capital Facilities Plan based on the conceptual designs.
  - n. Prepare draft TM detailing the complete Capital Facilities Plan including developed conceptual design and opinion of probable cost. Upon receipt of City comments, issue a final Capital Facilities Plan TM.
  - o. Prepare and conduct Process Workshop with City engineering and WTP operations staff to review Capital Facilities Plan.
  - p. Develop Lake Harrisonville design inflow hydrographs for assessment of principal and emergency spillways.
  - q. Develop conceptual design for replacement principal spillway at Lake Harrisonville.
  - r. Develop "order of magnitude" opinions of probable cost for the proposed spillway replacement project.
  - s. Prepare draft TM that discusses the need for the spillway rehabilitation, documents the methods and assumptions used in development of the inflow hydrographs, presents the conceptual design for the spillway rehabilitation and an opinion of probable costs for this project, and discusses

Attachment: Harrisonville Amendment 1 updated Burns and McDonnell (Water Treatment Facilities Plan)

constructability and permitting issues. After receipt of City comments, issue a final TM for the spillway preliminary engineering study.

- t. Provide project management and quality control/assurance.
2. The following adjustments are made to the ENGINEER's compensation:  
The Fee for Work described in this AMENDMENT shall be the not to exceed amount of \$166,986.
3. The time for completion of ENGINEER's Services is adjusted as follows:  
The draft Filter Evaluation TM will be issued within three months and the draft Facilities Plan TM will be issued to the City within four months from the time that a signed Amendment from the OWNER is received by the ENGINEER.
4. Other changes to the Agreement, if any, are stated below:  
None.
5. The terms of this AMENDMENT supersede any contrary terms of the Agreement. This AMENDMENT will be deemed a part of, and be subject to, all other terms and conditions of the Agreement. Except as modified above, the Agreement will remain in full force and effect.

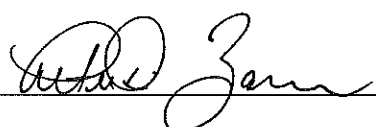
IN WITNESS WHEREOF, the parties have executed this AMENDMENT the day and year first written above.

**THIS AGREEMENT CONTAINS A BINDING ARBITRATION PROVISION, WHICH MAY BE ENFORCED BY THE PARTIES.**

**CITY: City of Harrisonville, Missouri**

**ENGINEER: Burns & McDonnell Engineering Company, Inc.**

By: \_\_\_\_\_

By:  \_\_\_\_\_

Name: Keith Moody

Name: Peter D. Zannoni, P.E.

Title: City Administrator

Title: Vice President

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Name: L. Jeffrey Klein, P.E.

Title: City Clerk

Title: Project Manager

Attachment: Harrisonville Amendment 1 updated Burns and McDonnell (Water Treatment Facilities Plan)

Table 1  
Water System Facility Plan  
STAFF HOURS & FEE  
Harrisonville. MO

| Scope                                                              | Hours      | Fee           | Labor Subtotal | Expenses     | Total         |
|--------------------------------------------------------------------|------------|---------------|----------------|--------------|---------------|
| <b>FILTER EVALUATION</b>                                           |            |               |                |              |               |
| 1. Data collection and review                                      |            |               |                |              |               |
| Lead Process Engineer (Level 14)                                   | 4          | 708           |                |              |               |
| Process Engineer (Level 9)                                         | 12         | 1,536         | 2,244          | 159          | 2,403         |
| 2. Filter Observation and Evaluation:                              |            |               |                |              |               |
| 2.1 Media Observation (4 Filters)                                  |            |               |                |              |               |
| 2.2 Underdrain Observation (1 Filter)                              |            |               |                |              |               |
| 2.3 Backwash Evaluation (4 Filters)                                |            |               |                |              |               |
| Lead Process Engineer (Level 14)                                   | 16         | 2,832         |                |              |               |
| Process Engineer (Level 9)                                         | 70         | 8,960         | 11,792         | 1,546        | 13,338        |
| 3. Media Testing                                                   |            |               |                |              |               |
| Process Engineer (Level 9)                                         | 8          | 1,024         | 1,024          | 2,500        | 3,524         |
| 4. Reports:                                                        |            |               |                |              |               |
| 4.1 Prepare draft technical memo (TM) for OWNER review and comment |            |               |                |              |               |
| Project Manager (Level 16)                                         | 4          | 816           |                |              |               |
| Lead Process Engineer (Level 14)                                   | 8          | 1,416         |                |              |               |
| Process Engineer (Level 9)                                         | 32         | 4,096         | 6,328          | 438          | 6,766         |
| 4.2 Upon receipt of comments, finalize TM                          |            |               |                |              |               |
| Project Manager (Level 16)                                         | 2          | 408           |                |              |               |
| Lead Process Engineer (Level 14)                                   | 4          | 708           |                |              |               |
| Process Engineer (Level 9)                                         | 16         | 2,048         | 3,164          | 219          | 3,383         |
| 5. Process Workshop (one)                                          |            |               |                |              |               |
| Project Manager (Level 16)                                         | 4          | 816           |                |              |               |
| Lead Process Engineer (Level 14)                                   | 4          | 708           |                |              |               |
| Process Engineer (Level 9)                                         | 6          | 768           | 2,292          | 173          | 2,465         |
| 6. PM / QA/QC                                                      |            |               |                |              |               |
| Project Manager (Level 16)                                         | 20         | 4,080         |                |              |               |
| QA/QC Engineer (Level 16)                                          | 8          | 1,632         | 5,712          | 279          | 5,991         |
| <b>TOTALS</b>                                                      | <b>218</b> | <b>32,556</b> | <b>32,556</b>  | <b>5,314</b> | <b>37,870</b> |

Table 2  
Water System Facility Plan  
STAFF HOURS & FEE  
Harrisonville. MO

| Scope                                                                                                                                                                           | Hours | Fee    | Labor Subtotal | Expenses | Total  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|----------------|----------|--------|
| <b>CAPITAL FACILITIES PLAN</b>                                                                                                                                                  |       |        |                |          |        |
| 1 Project initiation workshop.                                                                                                                                                  |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 4     | 816    |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                                                | 4     | 736    | 1,552          | 114      | 1,666  |
| 2 Develop site layout base map and electrical one-line.                                                                                                                         |       |        |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 2     | 256    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                                                  | 8     | 1,312  |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 4     | 656    | 2,224          | 139      | 2,363  |
| 3. Chemical Building:                                                                                                                                                           |       |        |                |          |        |
| 3a Develop concept design for reuse of existing chemical feed/electrical building. Review existing plans and determine phasing for implementation.                              |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 4     | 816    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 12    | 1,536  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                                                  | 4     | 708    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                                                  | 20    | 3,280  |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                                                  | 12    | 2,124  |                |          |        |
| Civil Engineer (Level 13)                                                                                                                                                       | 4     | 708    |                |          |        |
| Architect (Level 11)                                                                                                                                                            | 12    | 1,848  |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 8     | 1,312  | 12,332         | 239      | 12,571 |
| 3b Develop concept design for a new chemical feed/electrical building (if required).                                                                                            |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 4     | 816    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 12    | 1,536  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                                                  | 8     | 1,416  |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                                                  | 12    | 1,968  |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                                                  | 8     | 1,416  |                |          |        |
| Civil Engineer (Level 13)                                                                                                                                                       | 4     | 708    |                |          |        |
| Architect (Level 11)                                                                                                                                                            | 12    | 1,848  |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 4     | 656    | 10,364         | 199      | 10,563 |
| 4 Develop concept design for a ozone building and associated equipment.                                                                                                         |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 2     | 408    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 8     | 1,024  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                                                  | 4     | 708    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                                                  | 4     | 656    |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                                                  | 4     | 708    |                |          |        |
| Civil Engineer (Level 13)                                                                                                                                                       | 0     | 0      |                |          |        |
| Architect (Level 11)                                                                                                                                                            | 4     | 616    |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 4     | 656    | 4,776          | 80       | 4,856  |
| 5 Develop concept for the new rapid mix system for reuse of the existing chemical feed/electrical building; if not feasible, develop for new chemical feed/electrical building. |       |        |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                                                | 2     | 368    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 4     | 512    |                |          |        |
| Structural Engineer (Level 13)                                                                                                                                                  | 0     | 0      |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                                                  | 0     | 0      |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                                                  | 0     | 0      |                |          |        |
| Civil Engineer (Level 13)                                                                                                                                                       | 0     | 0      |                |          |        |
| Architect (Level 11)                                                                                                                                                            | 0     | 0      |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 0     | 0      | 880            | 0        | 880    |
| 6 Develop concept for Basin 1 equipment replacement and plate settlers or tube settlers and Basin 2 concrete repair.                                                            |       |        |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                                                | 4     | 736    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 8     | 1,024  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                                                  | 4     | 708    |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 0     | 0      | 2,468          | 40       | 2,508  |
| 7 Develop concept design for filter improvements based on filter evaluation.                                                                                                    |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 2     | 408    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 16    | 2,048  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                                                  | 4     | 708    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                                                  | 4     | 656    |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                                                  | 4     | 708    |                |          |        |
| Civil Engineer (Level 13)                                                                                                                                                       | 0     | 0      |                |          |        |
| Architect (Level 11)                                                                                                                                                            | 4     | 616    |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 0     | 0      | 5,144          | 40       | 5,184  |
| 8 Develop yard layout with new facilities, piping, and power and instrument cables.                                                                                             |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 2     | 408    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 8     | 1,024  |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                                                  | 4     | 656    |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 4     | 656    | 2,744          | 159      | 2,903  |
| 9 Develop economics.                                                                                                                                                            |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 8     | 1,632  |                |          |        |
| Estimator (Level 14)                                                                                                                                                            | 24    | 4,512  |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 8     | 1,024  | 7,168          | 318      | 7,486  |
| 10 Reports:                                                                                                                                                                     |       |        |                |          |        |
| 10.1 Prepare draft report for OWNER review and comment.                                                                                                                         |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 16    | 3,264  |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                                                | 4     | 736    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 20    | 2,560  |                |          |        |
| Structural Engineer (Level 13)                                                                                                                                                  | 4     | 708    |                |          |        |
| Electrical Engineer (Level 12)                                                                                                                                                  | 8     | 1,312  |                |          |        |
| Mechanical Engineer (Level 13)                                                                                                                                                  | 4     | 708    |                |          |        |
| Civil Engineer (Level 13)                                                                                                                                                       | 4     | 708    |                |          |        |
| Architect (Level 11)                                                                                                                                                            | 4     | 616    |                |          |        |
| Detailer (Level 12)                                                                                                                                                             | 8     | 1,312  | 11,924         | 159      | 12,083 |
| 10.2 Upon receipt of comments, finalize report.                                                                                                                                 |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 4     | 816    |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                                                | 8     | 1,472  | 2,288          | 119      | 2,407  |
| 11 Process Workshops (one)                                                                                                                                                      |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 4     | 816    |                |          |        |
| Lead Process Engineer (Level 14)                                                                                                                                                | 4     | 736    |                |          |        |
| Process Engineer (Level 9)                                                                                                                                                      | 4     | 736    | 2,288          | 153      | 2,441  |
| 12 PM / QA/QC                                                                                                                                                                   |       |        |                |          |        |
| Project Manager (Level 16)                                                                                                                                                      | 40    | 8,160  |                |          |        |
| QA/QC Engineer (Level 16)                                                                                                                                                       | 16    | 3,264  | 11,424         | 557      | 11,981 |
| TOTALS                                                                                                                                                                          | 458   | 77,576 | 77,576         | 2,317    | 79,893 |

Table 3

**Water System Facility Plan  
STAFF HOURS & FEE**

**Harrisonville. MO**

| Scope                                              | Hours      | Fee           | Labor Subtotal | Expenses     | Total         |
|----------------------------------------------------|------------|---------------|----------------|--------------|---------------|
| <b>SPILLWAY PRELIMINARY ENGINEERING STUDY</b>      |            |               |                |              |               |
| 1 Develop design inflow hydrographs                |            |               |                |              |               |
| Water Resources Engineer (Level 16)                | 16         | 3,264         |                |              |               |
| Civil Engineer (Level 11)                          | 56         | 8,624         |                |              |               |
| GIS Specialist (Level 13)                          | 8          | 1,416         | 13,304         | 796          | 14,100        |
| 2 Develop conceptual design for principal spillway |            |               |                |              |               |
| Water Resources Engineer (Level 16)                | 12         | 1,536         |                |              |               |
| Civil Engineer (Level 11)                          | 40         | 7,080         |                |              |               |
| Structural Engineer (Level 13)                     | 16         | 2,832         |                |              |               |
| Geotechnical Engineer (Level 16)                   | 8          | 1,632         |                |              |               |
| Detailer (Level 12)                                | 8          | 1,312         | 14,392         | 836          | 15,228        |
| 3 Opinion of probable cost                         |            |               |                |              |               |
| Water Resources Engineer (Level 16)                | 4          | 512           |                |              |               |
| Civil Engineer (Level 11)                          | 8          | 1,232         |                |              |               |
| Estimator (Level 14)                               | 16         | 3,008         | 4,752          | 279          | 5,031         |
| 4 Develop draft/fiinal TM.                         |            |               |                |              |               |
| Project Manager (Level 16)                         | 4          | 816           |                |              |               |
| Water Resources Engineer (Level 16)                | 24         | 4,248         |                |              |               |
| Civil Engineer (Level 11)                          | 16         | 2,464         |                |              |               |
| GIS Specialist (Level 13)                          | 8          | 1,416         |                |              |               |
| Detailer (Level 12)                                | 4          | 656           | 9,600          | 557          | 10,157        |
| 5 PM / QA/QC                                       |            |               |                |              |               |
| Project Manager (Level 16)                         | 16         | 3,264         |                |              |               |
| QA/QC Engineer (Level 16)                          | 6          | 1,224         | 4,488          | 219          | 4,707         |
| <b>TOTALS</b>                                      | <b>270</b> | <b>46,536</b> | <b>46,536</b>  | <b>2,687</b> | <b>49,223</b> |



**TO:** Public Works Committee  
**FROM:** Keith Moody, City Administrator  
**DATE:** October 30, 2013  
**SUBJECT:** Sales Tax Ballot Options

**Type of Item:** *Presentation*

**Background:**

A sales tax ballot question to fund street, sidewalk and storm water improvements is an objective listed for 2014. The first opportunity to place a question on the ballot is for the April 2014 election. Ballot language must be certified to the election Board no later than January 28, 2014 for the April 2014 election. August and November elections are also available although the April date is customarily when local issues appear on the ballot.

**Review:**

There are two sales tax options available for funding these types of improvements. Both require the same simple majority for passage. I have attached a sample ordinance for each sales tax. The “Transportation Sales Tax” option does not allow funds to be used for storm drainage improvements, therefore if this option were used the projects that are purely storm water related (on our list of projects) would have to be removed from the project list. Storm drainage improvements can be funded if they are directly related to a street improvement.

The ballot language for the transportation sales tax is simpler than the language for the “Capital Improvement Sales Tax” option which allows funding of streets, sidewalks and storm drainage improvements that are standalone projects. The ballot language for this option **MUST** contain a section related to issuing bonds even if the City does not intend to issue debt (which we do not).

The City also has the opportunity to sunset the tax. This can be done by establishing how many years the tax will be collected or sun setting after a certain dollar amount has been collected. Each of these options is reflected in attached ordinances. A half of one percent sales tax will generate roughly \$1 million per year. The list of projects to be funded by the tax is set up for \$25 million in funding. The list will need to be amended to reflect the term asked for in the ballot language.

A final consideration should be the date that the question appears on the ballot. In April 2014 the only anticipated question on the ballot will be for School Board seats. August 2014 will have primary questions for county, state and federal seats and November of 2014 will have general elections for the county, state and federal seats. Details below:

|                                                                                                                                                          |                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Auditor                                                                                                                                                  | U.S. Representatives           |
| State Senators - even-numbered districts                                                                                                                 | State Representatives          |
| Various judges* Some Supreme, Appellate and Circuit Court judges are either on the ballot or could be on the ballot depending on appointment dates.      |                                |
| Associate Circuit Judges                                                                                                                                 | Presiding County Commissioners |
| County Clerk                                                                                                                                             | Clerk of the Circuit Court     |
| Recorder of Deeds                                                                                                                                        | Prosecuting Attorney           |
| County Treasurer (3rd and 4th Class Counties except counties under township organization)                                                                |                                |
| County Auditor (1st class without a charter form of government; 2nd class counties)                                                                      |                                |
| Collector of Revenue (except counties under township organization)                                                                                       |                                |
| Any other offices that are vacated due to death, resignation or any cause, and which, under law, are required to be filled at the 2014 general election. |                                |

2010 election turn outs for Harrisonville were:

|          |                                                                  |
|----------|------------------------------------------------------------------|
| April    | 1,373 (PD/City Hall Sales Tax Question)                          |
| August   | 2,050 (PD/City Hall Sales Tax Question and Primary Elections)    |
| November | 2,745 (General Election for county, state and federal positions) |

**C. Discussion Item (ID # 1229)**

Sales Tax Ballot Options

Attachments:

Ordinance for Capital Improvement Sales Tax Ballot Question (DOC)  
 Ordinance for Transportation Sales Tax Ballot Question (DOC)

CITY OF  
HARRISONVILLE

STATE OF  
MISSOURI

BILL NO. S2005-23

ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE CALLING A SPECIAL ELECTION IN THE CITY OF HARRISONVILLE, MISSOURI, FOR THE PURPOSE OF SUBMITTING TO THE QUALIFIED VOTERS OF SAID CITY THE QUESTION OF WHETHER TO IMPOSE A CAPITAL IMPROVEMENT SALES TAX OF ONE-HALF OF ONE PERCENT (0.5%) FOR STREET, STORM DRAINAGE AND SIDEWALK IMPROVEMENT PURPOSES.

BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF HARRISONVILLE, MISSOURI, AS FOLLOWS:

**Section 1.** Pursuant to Section 94.577 *et seq.* of the Revised Statutes of Missouri, a special election is hereby ordered to be held in the City of Harrisonville, Missouri, on April 5, 2014, on the following question:

**Option 1:** Shall the municipality of the City of Harrisonville, Missouri, impose a capital improvement sales tax of one-half of one percent (0.5%) for the purpose of funding street, storm drainage and sidewalk capital improvements, which may include the retirement of debt under previously authorized bonded indebtedness, such tax to terminate twenty (25) years from the date on which such tax is first imposed?

Or

**Option 2:** Shall the municipality of the City of Harrisonville, Missouri, impose a capital improvement sales tax of one-half of one percent (0.5%) for the purpose of funding street, storm drainage and sidewalk capital improvements, which may include the retirement of debt under previously authorized bonded indebtedness, such tax to terminate after \$25 million in sales tax revenue has been generated?

**Section 2.** The form of the Notice of Special Election for said special election, a copy of which is attached hereto and made a part hereof, is hereby approved.

**Section 3.** The City Clerk is hereby authorized and directed to notify the Board of Election Commissioners of Cass County, Missouri, of the adoption of this Ordinance no later than 4:00 P.M. on January 15, 2013, and to include in said notification all of the terms and provisions required by the Comprehensive Election Act, Chapter 115 of the Revised Statutes of Missouri, as amended.

**Section 4.** This Ordinance shall be in full force and effect from and after its passage and approval.

**FIRST READ** by the Board of Aldermen this \_\_\_<sup>th</sup> day of November, 2013.

**SECOND READ AND PASSED** by the Board of Aldermen on November \_\_, 2013

ATTEST:

\_\_\_\_\_  
Mayor, Kevin Wood

\_\_\_\_\_  
Kim Hubbard, City Clerk

**APPROVED** by the Mayor this \_\_\_<sup>th</sup> day of November, 2013.

\_\_\_\_\_  
Mayor, Kevin Wood

Attachment: Ordinance for Capital Improvement Sales Tax Ballot Question (Sales Tax Ballot Options)

CITY OF  
HARRISONVILLE

STATE OF  
MISSOURI

BILL NO. S2005-23

ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE CALLING A SPECIAL ELECTION IN THE CITY OF HARRISONVILLE, MISSOURI, FOR THE PURPOSE OF SUBMITTING TO THE QUALIFIED VOTERS OF SAID CITY THE QUESTION OF WHETHER TO IMPOSE A TRANSPORTATION SALES TAX OF ONE-HALF OF ONE PERCENT (0.5%) FOR STREET AND SIDEWALK IMPROVEMENT PURPOSES.**

**BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF HARRISONVILLE, MISSOURI, AS FOLLOWS:**

**Section 1.** Pursuant to Section 94.700 *et seq.* of the Revised Statutes of Missouri, a special election is hereby ordered to be held in the City of Harrisonville, Missouri, on April 5, 2014, on the following question:

**Option 1: Shall the municipality of the City of Harrisonville, Missouri, be authorized to impose a transportation sales tax of one-half of one percent (0.5%) for street and sidewalk improvements such tax to terminate twenty-five (25) years from the date on which such tax is first imposed?**

**Or**

**Option 2: Shall the municipality of the City of Harrisonville, Missouri, be authorized to impose a transportation sales tax of one-half of one percent (0.5%) for street and sidewalk improvements such tax to terminate after \$25 million in sales tax revenue has been generated?**

**Section 2.** The form of the Notice of Special Election for said special election, a copy of which is attached hereto and made a part hereof, is hereby approved.

**Section 3.** The City Clerk is hereby authorized and directed to notify the Board of Election Commissioners of Cass County, Missouri, of the adoption of this Ordinance no later than 4:00 P.M. on January 15, 2013, and to include in said notification all of the terms and provisions required by the Comprehensive Election Act, Chapter 115 of the Revised Statutes of Missouri, as amended.

**Section 4.** This Ordinance shall be in full force and effect from and after its passage and approval.

**FIRST READ** by the Board of Aldermen this \_\_\_<sup>th</sup> day of November, 2013.

**SECOND READ AND PASSED** by the Board of Aldermen November \_\_\_, 2013

\_\_\_\_\_  
Mayor, Kevin Wood

ATTEST:

\_\_\_\_\_  
Kim Hubbard, City Clerk

**APPROVED** by the Mayor this \_\_\_<sup>th</sup> day of November, 2013.

\_\_\_\_\_  
Mayor, Kevin Wood

Attachment: Ordinance for Transportation Sales Tax Ballot Question (Sales Tax Ballot Options)



## STAFF REPORT

**TO:** Public Works Committee  
**FROM:** Jerry Gibbs, Director  
**DATE:** October 28, 2013  
**SUBJECT:** Sales Tax Funded Improvements

**Type of Item:** Report**Background**

Attached is the brochure from August of 2001 "Fix our Streets" initiative and the priorities identified by the 2005 CTAC (Citizens Transportation Advisory Committee). CTAC developed a priority list of 14 street projects. Many of the streets identified previously are identified in our Options 1 & 2. Their conclusions were the city is falling behind.

**Issue** - Recent citizen surveys confirm the majority of residents prefer sales tax vs. property tax funding for improving roads. A 1/2 cent sales tax should generate on average \$1,000,000 annually over a 25 year period. How best to frame the sales tax questions is political in nature. Obvious questions are what kind of projects would be supportive, how long should the sales tax be in place, how do you build support and when should an election be held?

The *Transportation Improvement Plan* completed by Transytems and the project list completed by the CTAC along with our capital improvement plan served as a guide for the improvements list. As a reminder the *Transportation Improvement Plan* was completed by Transytems in early 2011. It provided a snap shot of the road conditions in the city. A Pavement Condition Index (PCI) between 0-100 (higher the number the better the rating) was developed. A matrix was developed giving weighted values to each factor such as PCI, drainage, sidewalks, community values and cost of repairs. A score of 0-145 was developed. The highest score would have the greatest need.

Two possible scenarios for improvement are as follows.

**Option 1 (Capital only)** - This method identifies about \$25 million worth of street and

storm water improvement projects. Streets would be built to a city standard including sidewalks and stormwater improvements. If the sales tax sunset is set at less than 25 years, this list will need to be adjusted accordingly. Some of the recommendations are projects currently under design and have a local match such as Mechanic Street which has state funding commitments in place. Total cost as well as the amount of local funding anticipated is shown for these projects. The local funding total would come from the sales tax. If other funding is not successful, projects on the end would drop off.

The list also includes residential streets in areas without curb and gutter. Streets that are used to connect neighborhoods, lead to schools, and are designated snow routes were given priority. Sidewalks would be added along those streets being reconstructed. Storm drainage improvements adjacent to the reconstructed streets are also included.

**Option 2 (Capital with surface improvements)** - This options includes a resurfacing allowance for expanding the amount of mill and overlay and chip seal / micro seal work completed. If the sales tax is set at 25 years the list will reflect \$21 million in capital improvements and \$4 million for surface improvements. The City currently budgets \$90,000 for chip seal and road repairs. Adding \$4 million in sales tax for resurfacing (mill and overlay, chip & micro seal) along with our current maintenance program would benefit each citizen and business in town. Each resident or business would see a road treatment on their street in ten years or less.

**Summary** - Option 1 - Some shorter residential streets would see attention first allowing a reserve to build to complete the larger projects on a pay as you go basis. This would also give the City time to seek funding opportunities with MARC, MoDOT and Federal Agencies on the larger streets that qualify for such funding.

Option 2 - Is similar to Option 1 but less capital projects included and adds a mill and overlay and other surface treatments by dedicating \$4 million additional to improve every street in town within 10 years.

Questions to answer:

- ☐ What would enhance voters support of a sales tax for road improvements?
  - Are voters more likely to support a list of capital improvements?
  - Are voters more likely to support a list or treatment that assures some enhancement to their street?

- ☐ How many years would be supported? 10, 15, 20, 25 or no sunset
- ☐ What projects would citizens most likely support?
- ☐ What time of year is better to gain a demographic diverse voter turnout?

**D. Discussion Item (ID # 1219)**

Sales Tax Funded Improvements

Attachments:

2003 sales Tax Initiative (PDF)

2006 Sales Tax Priorities (PDF)

Options 1 2 Revision 2.xls (PDF)

Sales Tax Initiative Option 1.pdf (PDF)

Sales Tax Initiative Option 2 (2).pdf (PDF)

## 20 YEARS OF IMPROVEMENTS

### First 6 Years

#### 2003

Sidewalk & Curb Replacement  
Orchard Bridge Replacement  
N Commercial - Resurface  
Eastwood Rd (Mechanic to E South Street) - Resurface  
Price St (E Mechanic to Elm) - Resurface  
Ridgewood Rd - Resurface  
Pheasant - Resurface  
Douglas Circle (Concrete) - Resurface  
Brookridge Phase I (Meadowlark to Douglas) - Resurface  
Brookridge Phase II - Resurface  
Stella (E Mechanic to E Pearl) - Resurface  
Forrest Ave Phase I - Resurface  
Forrest Ave Phase II - Resurface  
Meadowlark - Resurface  
Pearson Circle - Resurface

#### 2004

Sidewalk & Curb Replacement  
Highland Drive Upgrade (Hwy 7 to Hwy 2)  
Reconstruct Curb & Gutter  
Bird Street Mill & Overlay  
S Halsey (E South St to asphalt) - Resurface  
Edgevale Dr (E South St to asphalt) - Resurface  
Twin Oaks Phase I - Resurface

#### 2005

Sidewalk & Curb Replacement  
Locust/N Independence - Resurface  
West Wall (Short St to Oakland St) - Reconstruction  
Cantrell Rd - Resurface

#### Easton - Resurface

Outlook - Resurface  
Twin Oaks Phase II - Resurface  
Joy St - Resurface  
Halsey Terrace Phase I - Resurface

#### 2006

Sidewalk & Curb Replacement  
Ash Street (Independence to Bradley) - Reconstruction  
E Washington (S Independence to Highland Dr) - Reconstruction  
Halsey Terrace Phase II (King to concrete) - Resurface

#### 2007

Sidewalk & Curb Replacement  
E Pearl (Square to Bradley) Reconstruction  
Hillside Dr Phase II - Resurface  
Clay Circle Phase I (curb replacement) - Resurface  
Clay Circle Phase II - Resurface  
Clearwater (south of Shelter to Anaconda) - Resurface  
E Elm (Price to E Mechanic) - Resurface

#### 2008

Sidewalk & Curb Replacement  
E Pearl Rebuild (Bradley to Price) - Reconstruction

Next 14 years of Projects to be planned with future growth and utilization of our transportation system.

#### TERMS:

**Curb**— Residential areas the installation of a lazy back curb, Commercial areas the installation of 6" high back

**Gutter**— Storm water inlets

**Reconstruction**— Rebuild the road from the base, widen the roadway, install curbs and gutters

**Resurface**— The replacement of an overlay of 2" asphalt

# FIX OUR STREETS, VOTE YES APRIL 2ND



## TRANSPORTATION IMPROVEMENTS

Paid for by Harrisonville Betterment Committee  
Jack Combs Treasurer

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FIX OUR STREETS,  
VOTE YES  
APRIL 2ND



TRANSPORTATION  
IMPROVEMENTS

Paid for by Harrisonville Betterment Committee  
Jack Combs Treasurer

# MAKE YOUR CHOICE FOR A BETTER COMMUNITY..... FIX OUR STREETS! VOTE YES APRIL 2ND

## QUESTION 1

Shall the City of Harrisonville, Missouri, impose a sales tax of one-half of one percent for transportation purposes, such sales tax to continue for a period of twenty (20) years from the first date imposed?

## QUESTION 2

Shall the City of Harrisonville, Missouri, issue it's general obligation bonds in the amount of \$6,000,000 for the purpose of acquisition of right-of-way for streets roads and bridges and construction, reconstruction, widening, overlaying, repairing and improving streets roads and bridges within the City, including installation of curbs, gutters, storm sewers and sidewalks appurtenant thereto?

## BOND PROJECTS:

- Reconstruct Waters Road (Widen, Curb & Gutter) from M-291 to Jefferson Parkway
- Completely reconstruct Jefferson Parkway (Widen, Curb & Gutter) from Locust North to Waters Road.

*These two roads will help alleviate the congestion of M-291 & Commercial and make that intersection safer and more user friendly. Since the State has control of M-291 this is the Cities plan to help Citizens with traffic congestion.*

## SALES TAX COMPARISONS FOR AREA COMMUNITIES

|               |        |                    |        |
|---------------|--------|--------------------|--------|
| Belton.....   | 7.725% | Lee's Summit.....  | 7.600% |
| Raymore.....  | 7.725% | Pleasant Hill..... | 7.225% |
| Peculiar..... | 7.225% | Grandview.....     | 7.600% |

If the Transportation Sales Tax is approved, the Harrisonville Sales Tax Rate would be 7.225%

All of the Cities listed above have a 1/2 cent Transportation Sales Tax

# Questions & Answers

- **What happens if question 1 passes but not question 2?**  
The City will collect the sales tax and build the projects as funds allow.
- **What happens if question 2 passes and not question 1?**  
The City will not issue the bonds without a designated funding source to retire the debt. It will be financially impossible to improve Waters Rd or Jefferson Parkway without the issuance of bonds.
- **What can this money be spent for?**  
Roads, curbs, sidewalks, walking /bike trails, storm water (If associated with roads). This money will be held in a separate account (Transportation Fund) and is subject to annual auditing which will assure all of the funds are spent in the above categories.
- **What happens if question 1 (sales tax) does not pass?**  
We have calculated a need for \$605,000 in annual repairs. We can only fund \$320,000. So we loose ground on about 50% of our road repair needs per year. (With no upgrades)
- **How will the money from question 1 (sales tax) be spent**  
It is anticipated that 50% of the money will fund the annual improvement and maintenance of existing roads. The other 50% will be spent paying off the bonds (question 2) for the immediate reconstruction of existing roads.
- **How did you determine what our existing needs are?**  
The City has completed a study of the existing streets, with 77.25 miles of streets and calculating the life expectancy of each street we need to repair or rebuild 13.153 miles per year. We have calculated this and find a need for \$605,000 annually to fund this. The City has only been able to resurface approximately 2.34 miles per year over the last 5 years.
- **If passed when will the sales tax take effect?**  
October 1, 2002

| PROJECTS BY PRIORITY |                                                 |                                                                                                                                    |              |
|----------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Project Number       | Project Name                                    | Project Description                                                                                                                | Total Points |
| 1                    | Jefferson Parkway                               | Upgrade from Waters Rd to Locust (also realign and have Jefferson adjoin N Independence and Locust would intersect with Jefferson) | 49           |
| 2                    | Mechanic Street                                 | Upgrade from Commercial to EE                                                                                                      | 47           |
| 3                    | Waters Road                                     | Upgrade existing road and construct new road to Highway 7                                                                          | 45           |
| 4                    | Intersection of S Independence and South Street | Improve intersection, and relocate utility pole                                                                                    | 45           |
| 5                    | Highway 291                                     | Upgrade 291 (including the bridge over HWY 71) to the City Limits at Waters Rd                                                     | 44           |
| 6                    | South Street                                    | Upgrade from Intersection of S Independence eastward to the proposed Megan extension                                               | 36           |
| 7                    | Meghan Dr                                       | New Roadwork, extend Meghan southward to Highway 2                                                                                 | 35           |
| 8                    | Elm Street                                      | Upgrade Elm between Bradley and Price Street, also realign intersection at Elm and Price                                           | 35           |
| 9                    | Timber Drive                                    | New Roadwork, build Timber Drive east of Hwy 291 to Jefferson Parkway                                                              | 34           |
| 10                   | Price Street                                    | Upgrade Price from Mechanic to Elm Street                                                                                          | 34           |
| 11                   | Cantrell Road                                   | New Roadwork, extending Cantrell road from the HWY 71 exit south to HWY 2                                                          | 33           |
| 12                   | South Wirt                                      | Upgrade South of Mechanic to Washington                                                                                            | 31           |
| 13                   | Alley and Chestnut                              | New Roadwork, extend alley northward and extend Chestnut westward to intersect with alley                                          | 30           |
| 14                   | Oakland Street                                  | New Roadwork, construct Oakland (Lords Park) thru the new park land to West Street                                                 | 29           |

## Option 1:

## Collector Street Reconstruction

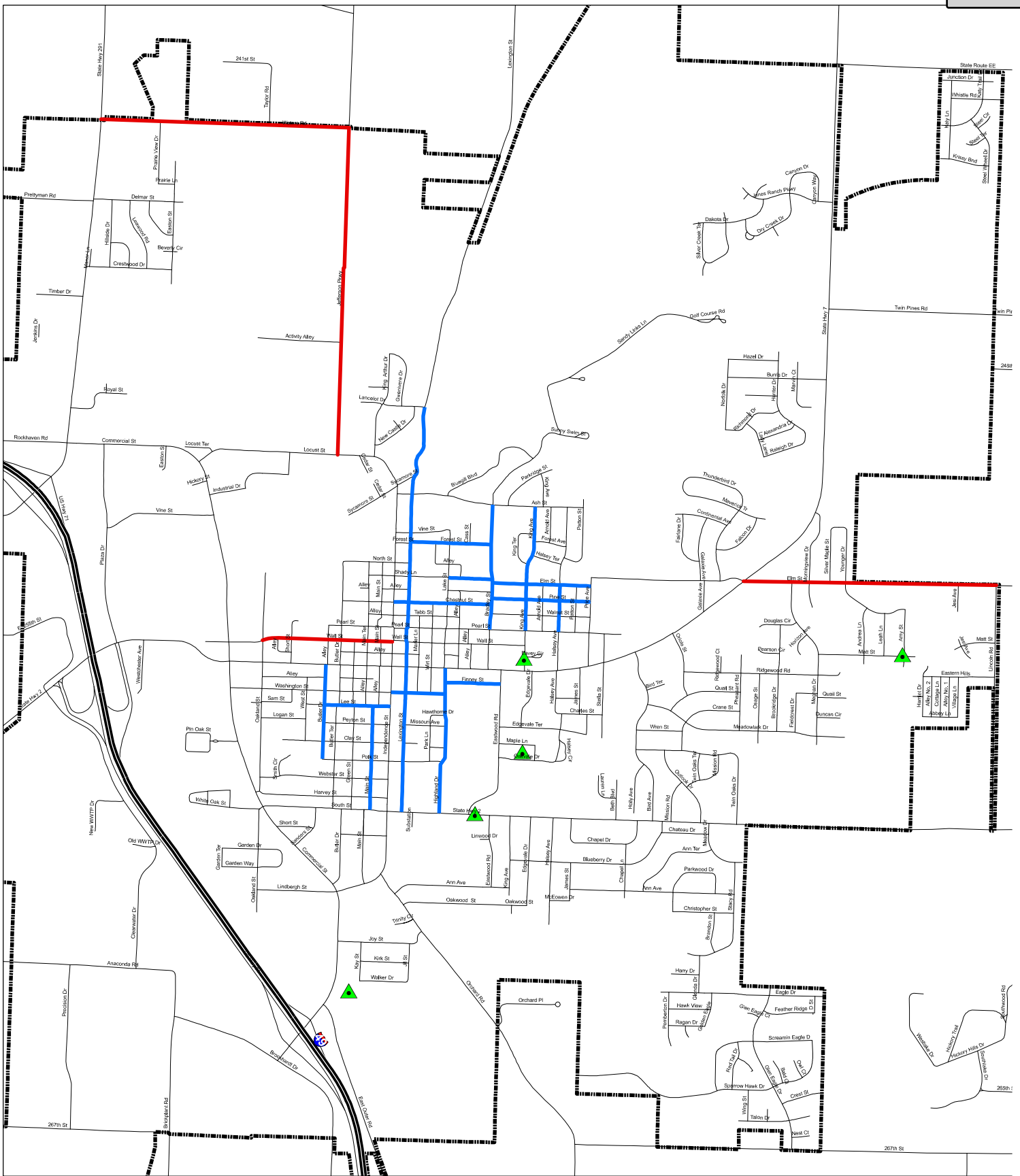
| Item #          | Construction Year | Location                  | Estimated Cost      | Cumulative Total | Location                   | MoDOT 80-20 Funding |                    |
|-----------------|-------------------|---------------------------|---------------------|------------------|----------------------------|---------------------|--------------------|
|                 |                   |                           |                     |                  |                            | MoDOT               | City               |
| 1               | 2015              | Mechanic                  | \$3,000,000         | \$600,000        | Independence to Stella     | \$2,400,000         | \$600,000          |
| 2               | 2018              | Jefferson Parkway Phase 1 | \$2,636,700         | \$3,236,700      | Locust to Community Center | \$2,109,360         | \$527,340          |
| 3               | 2018              | Jefferson Parkway Phase 2 | \$1,939,700         | \$5,176,400      | Community Center to Waters | \$1,551,760         | \$387,940          |
| 4               | 2019              | Waters Road               | \$2,962,000         | \$8,138,400      | Highway 291 to Jefferson   | \$2,369,600         | \$592,400          |
| 5               | 2020              | West Wall Street          | \$1,273,364         | \$9,411,764      | Oakland to Independence    | \$1,018,691         | \$254,673          |
| 6               | 2023              | East Elm Street           | \$1,287,780         | \$10,699,544     | Mechanic to Lincoln        | \$1,030,224         | \$257,556          |
| <b>SUBTOTAL</b> |                   |                           | <b>\$13,099,544</b> |                  |                            | <b>\$10,479,635</b> | <b>\$2,619,909</b> |

## Residential Street Reconstruction and Storm Drainage Improvements

| Item # | Construction Year | Location                         | Estimated Cost | Cumulative Total | Location                                                 | Length | Width * |
|--------|-------------------|----------------------------------|----------------|------------------|----------------------------------------------------------|--------|---------|
| 7      | 2014              | Trade Fair Stormwater            | \$155,000      | \$10,854,544     | Flooding of business and one home on Kay and Joy Str     |        |         |
| 8      | 2015              | East Washington                  | \$331,080      | \$11,185,624     | Independence to Highland                                 | 875    | 28      |
| 9      | 2015              | Butler Drive                     | \$548,640      | \$11,734,264     | Mechanic to Polk                                         | 1540   | 28      |
| 10     | 2015              | Beckerdite Stormwater            | \$390,000      | \$12,124,264     | Flooding of 4 homes between Edgevale and Oakvale         |        |         |
| 11     | 2016              | Highland Drive                   | \$1,305,932    | \$13,430,196     | Mechanic to South Street                                 | 2300   | 28      |
| 12     | 2017              | Bradley Avenue                   | \$1,201,298    | \$14,631,494     | Ash to Pearl                                             | 2050   | 28      |
| 13     | 2018              | Amy at Matt Channel Improvements | \$172,000      | \$14,803,494     | Flooding of 1-2 homes from Matt to Younger               |        |         |
| 14     | 2019              | King Drainage                    | \$212,000      | \$15,015,494     | Flooding on 1-2 homes between Wall and Mechanic          |        |         |
| 15     | 2021              | Highway 2 Bridge Replacement     | \$400,000      | \$15,415,494     | Replace and widen to address traffic safety and flooding |        |         |
| 16     | 2021-22           | North Lexington Street           | \$2,800,200    | \$18,215,694     | Mechanic to Lancelot                                     | 4300   | 28      |
| 17     | 2024              | W. Elm Street                    | \$805,000      | \$19,020,694     | Bradley to Price                                         | 1610   | 28      |
| 18     | 2025              | S. Lexington                     | \$1,175,000    | \$20,195,694     | Mechanic to South Street                                 | 2350   | 28      |
| 19     | 2026              | E. Chestnut Street               | \$800,000      | \$20,995,694     | Independence to Bradley                                  | 1600   | 28      |
| 20     | 2027              | King Street                      | \$1,350,000    | \$22,345,694     | Mechanic to Ash                                          | 2700   | 28      |
| 21     | 2028              | Halsey Avenue                    | \$700,000      | \$23,045,694     | Mechanic to Elm                                          | 1400   | 28      |
| 22     | 2029              | Main Street                      | \$850,000      | \$23,895,694     | Lee to South                                             | 1700   | 28      |

|          |      |               |              |              |                            |      |    |
|----------|------|---------------|--------------|--------------|----------------------------|------|----|
| 23       | 2030 | Lee Street    | \$535,000    | \$24,430,694 | Independence to Butler Dr. | 1070 | 28 |
| 24       | 2030 | Finney Street | \$450,000    | \$24,880,694 | Highland to Eastwood       | 900  | 28 |
| 25       | 2031 | Shady Lane    | \$350,000    | \$25,230,694 | Lake to Bradley            | 700  | 28 |
| SUBTOTAL |      |               | \$14,531,150 |              |                            |      |    |

\* Proposed width = 2 x 12' lanes + 2' C&G each side

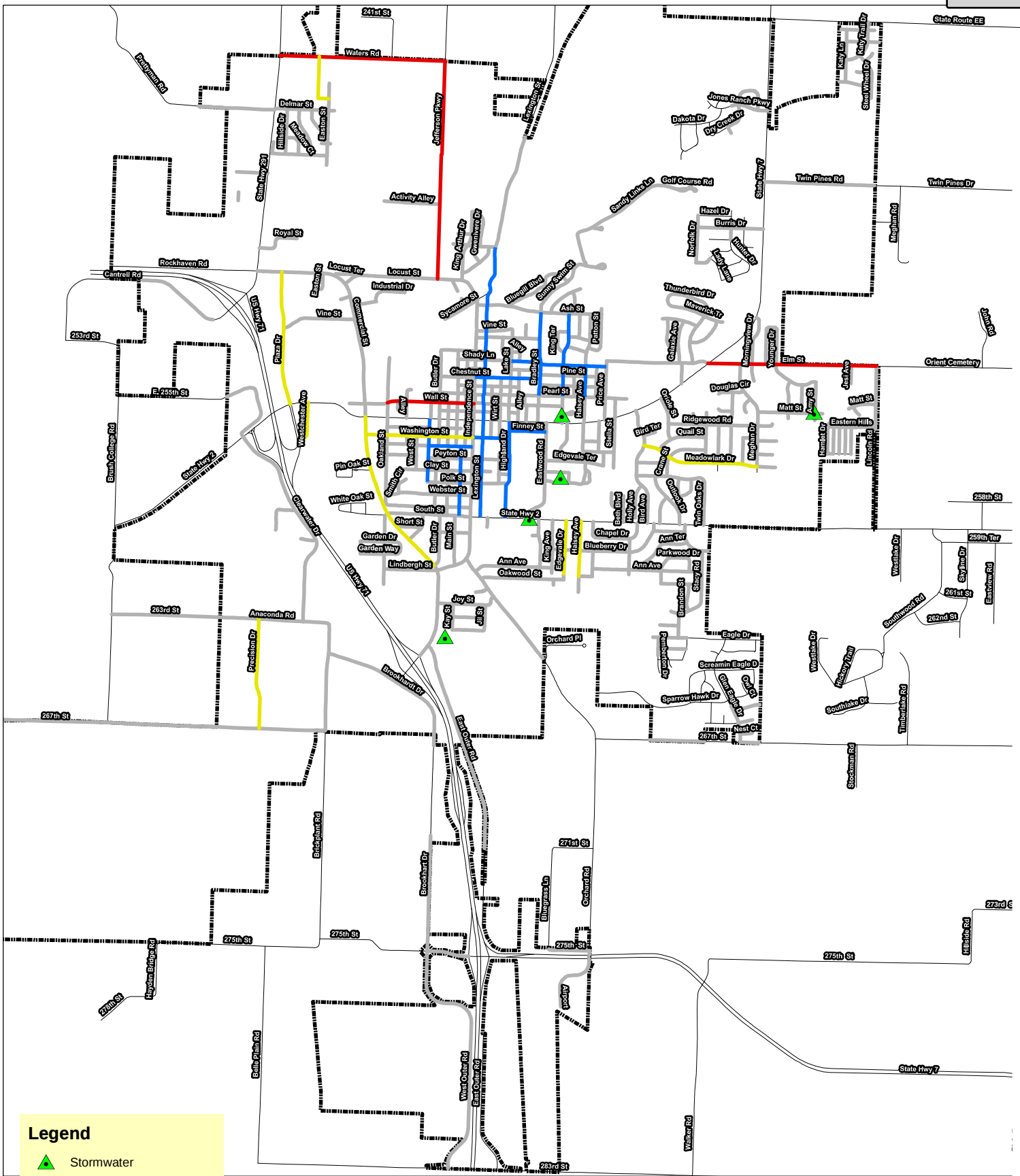


**Legend**

- Collector 2013
- Residential 2013
- Stormwater

# Capital Projects Option 1





**Legend**

- Stormwater
- Capital 2013 Maintenance
- Collector 2013
- Residential 2013
- Area Resurfacing
- City Limits

# Capital Projects Option 2



Attachment: Sales Tax Initiative Option 2 (2).pdf (Sales Tax Funded Improvements)



**TO:** Public Works Committee  
**FROM:** Jerry Gibbs, Director  
**DATE:** October 31, 2013  
**SUBJECT:** Airport report

**Type of Item:** *Report*

**A. Discussion Item (ID # 1230)**

Airport report

Attachments:

Microsoft Word - October 2013 (PDF)

Potential Jet Fuel Sales (3).xls (PDF)

## **LAWRENCE SMITH MEMORIAL AIRPORT REPORT**

For the month of October, 2013

### **Hangar and Tie Down Space:**

- No Hangars are available, 10 confirmed people on the waiting list
- 6 Tie down spots available

### **Fuel:**

- Potential jet fuel sales – approx. 350 gallons
- 100LL – our current price is \$5.70 per gallon
- Fuel prices in our service area:
 

|                |                 |
|----------------|-----------------|
| Lee's Summit   | \$5.26 per gal. |
| Ottawa         | \$5.89 per gal. |
| Grain Valley   | \$5.49 per gal. |
| Johnson County | \$6.30 per gal. |
| Butler         | \$5.95 per gal. |

### **AVGAS Sales: (Sept. 26 to Oct. 31<sup>st</sup>)**

|                |                   |
|----------------|-------------------|
| § Price        | \$5.70 per gallon |
| § Gallons Sold | 721.610           |
| § Revenue      | \$4,113.17        |
| § Profit       | \$505.04          |

### **Airport Projects:**

The aerial photography for the AGIS project has begun and Lochner is waiting for the information to be submitted to the FAA before continuing their portion of the work.

### **Airport Appraisal:**

Staff has been working with the appraiser to justify the price for the 64 acre tract of land located just west of the airport. Even though the land is adjacent to I-49, there are access and infrastructure issues keeping the value of the land down. The land is also farm ground and a lack of comparable properties has forced the appraiser to stand by his initial evaluation. Perhaps in the future more comparable properties and the access and infrastructure issues will allow for a higher cost per acre and it would be more advantageous for the city to seek a land donation when the cost per acre is able to be appraised at a higher value.

Discussions have taken place regarding the tract of land the east of the airport as possibly being a better decision for a land donation to fund our portion of the South Hangar Taxiway project after design is complete.

## POTENTIAL JET FUEL SALES

(in gallons)

|             | JAN   | FEB   | MARCH | APRIL | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   | <b><i>ANNUAL<br/>TOTAL</i></b> |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------------|
| <b>2003</b> | ?     | ?     | 1,700 | 2,300 | 2,300 | 2,500 | 2,000 | 2,500 | 1,800 | 1,500 | 1,200 | 1,400 | <b>19,200</b>                  |
| <b>2004</b> | 1,800 | 2,500 | 3,500 | 2,500 | 1,500 | 1,500 | 3,000 | 2,800 | 2,000 | 2,000 | 3,200 | 3,400 | <b>29,700</b>                  |
| <b>2005</b> | 2,100 | 1,400 | 1,200 | 2,200 | 2,400 | 2,000 | 1,500 | 1,000 | 2,000 | 1,500 | 1,000 | 1,300 | <b>19,600</b>                  |
| <b>2006</b> | 1,000 | 1,500 | 1,800 | 1,800 | 1,000 | 1,300 | 1,000 | 1,200 | 1,500 | 1,000 | 1,100 | 800   | <b>15,000</b>                  |
| <b>2007</b> | 500   | 1,000 | 1,000 | 1,200 | 1,000 | 1,200 | 1,000 | 500   | 600   | 500   | 300   | 200   | <b>9,000</b>                   |
| <b>2008</b> | 200   | 200   | 200   | 100   | 100   | 200   | 300   | 400   | 200   | 250   | 150   | 100   | <b>2,400</b>                   |
| <b>2009</b> | 150   | 100   | 100   | 150   | 200   | 250   | 150   | 250   | 150   | 150   | 100   | 100   | <b>1,850</b>                   |
| <b>2010</b> | 250   | 350   | 250   | 150   | 150   | 100   | 100   | 150   | 100   | 0     | 200   | 250   | <b>2,050</b>                   |
| <b>2011</b> | 350   | 300   | 250   | 200   | 250   | 200   | 250   | 350   | 200   | 200   | 250   | 200   | <b>3,000</b>                   |
| <b>2012</b> | 150   | 250   | 150   | 200   | 400   | 300   | 200   | 200   | 300   | 200   | 350   | 100   | <b>2,800</b>                   |
| <b>2013</b> | 350   | 250   | 150   | 200   | 250   | 300   | 450   | 250   | 200   | 350   |       |       | <b>2,750</b>                   |

Attachment: Potential Jet Fuel Sales (3).xls (Airport report)