AGENDA
CITY OF HARRISONVILLE
PUBLIC WORKS COMMITTEE
REGULAR MEETING
CITY HALL
AUGUST 1, 2013
6:00 PM

I. Call to Order

II. Approval of Minutes

- **A. Public Works Committee - Regular Meeting - Jun 6, 2013 6:00 PM**

III. Agenda Items

- **A. Appeal of Driveway Removal at Gaslight Plaza**
- **B. Airport Improvements**
- **C. Clark Sewer**
- **D. North Independence Bridge**
- **E. Power and Water Building**

IV. Public Works Project Updates

- **A. Public Works Monthly Update**

V. General Discussion

VI. Adjourn

This meeting will be open to the public.

Posted on City Hall Bulletin Board this day of

_____
Kim Hubbard, City Clerk

Publish

City of Harrisonville est. 1836

MINUTES
CITY OF HARRISONVILLE
PUBLIC WORKS COMMITTEE
REGULAR MEETING
CITY HALL
JUNE 6, 2013
6:00 PM

I. Call to Order

The meeting was called to order at 6:00 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	Absent	

Also in attendance: City Administrator Keith Moody, Public Works Director Jerry Gibbs, Assistant Director of Public Works Eric Patterson, Street Superintendent Rodney Jacobs, Airport Manager James Green and Deputy City Clerk Sheryl Stanley, recording.

II. Action Items

1. **2013 Asphalt Overlay and Micro-Seal Program**Recommended for Board Approval

Director of Public Works Jerry Gibbs reviewed the bid results for the 2013 Overlay and Micro-Surfacing program. He explained that initially Tandem Paving appeared to have the low bid for asphalt overlay, but upon review it was discovered they did not include an addendum, so the low bidder was actually Hanrahan Paving with a cost of $118, 092.60.

Concerning the micro-surfacing, the low bidder was determined to be Vance Brothers with a bid of $30, 890.86.

Director Gibbs and Street Superintendent Rodney Jacobs answered questions from the committee members regarding the usefulness of the overlay and micro-surfacing programs in keeping the streets in good repair. Mr. Jacobs shared with the committee that micro-surfacing is a better technique than chip & seal and a number of cities are using it. Director Gibbs added that it complements what we now do with chip sealing and in the future we may decide to use micro-surfacing on more streets, rather than chip seal them.

Mr. Gibbs also informed the committee that $90,000 is left in the budget for sidewalk and gutter, and that can be tied in with the police department construction, if the board wishes.

Mr. Gibbs asked for a two-fold motion to approve the bids and send them on to the Board of Aldermen, i.e. one to accept the asphalt overlay bid and the second to accept the micro-surfacing bid.

2. June Airport Report

James Green, airport manager, gave a monthly update on Lawrence Smith Memorial Airport, noting that all hangars are rented but six tie downs are available, approximately 250 gallons of jet fuel was sold, and a small amount of AVGAS was ordered to replenish the supply. He noted he has been trying to get appraisals of the land at and near the airport and he shared bids he had received for this project. He recommended the bid from Valbridge Property Advisors be accepted, which is $6,500 to appraise the 64-acre tract and the 1-acre parcel.

Kevin Wood moved and Morris Coburn seconded the motion to approve Valbridge's bid. Motion was approved on a 3-1 vote, Alderman Dickerson voting No.

3. May 2, 2013 Minutes Adopted

III. Discussion Items

1. Public Works Monthly Update

Jerry Gibbs gave his monthly update on public works projects and answered committee members' questions: Topics included:

Old City Well - Gibbs said the well is only capable of producing 10-15K GPD. Geology shows no aquifers and the shaft is reported to be in poor condition. The depth is approximately 500 feet and it is not suitable for bulk sales. Keith Moody said the well is not officially abandoned at this time.

Burns & McDonald - Burns and Mac will be meeting with water plant personnel to discuss workshop #3, before presenting it to everyone.

Washington Street - We are trying to get access agreements from all residents along Washington Street before construction begins. Robert Edwards is taking the lead in this process.

Ann Street - Troy Bowers will be doing the engineering and Geg Bowers will be doing the surveying.

Foundation Drain Removal Program - The spring rains have served to renew residents' interest in this program. Two new applications have been received.

Red Zone - Discussion is continuing on the scope of services that Red Zone will provide to the city and the cost. They will provide closed circuit televising of selected sanitary sewers.

Energize Missouri - The state is requesting additional info in order to close out this project.

Mechanic Street - The city is working with TREKK on preparatory work.

291/Partners in Progress - Right of way acquisition is ongoing, and utility relocation is pending until that is complete.

North Independence Bridge - MoDot had some changes to the design. This project will be bid in July and we expect the contract will come to the Board of Aldermen at their second meeting in August.

Director Gibbs also discussed a request he had received from a resident to allow kayaks on Lake Harrisonville. To permit these watercraft on the lake would require a change to the current ordinance. Kevin Wood made a motion that this item be sent on to the aldermen for action. Morris Coburn seconded. Motion passed.

Under general discussion, it was noted that during recent rains, the culvert on Smith Circle flooded and kids were observed wading in the floodwaters. Director Gibbs said this is the original culvert and Superintendent Jacobs noted people throw in trash which blocks the flow of rainwater.

Mayor Wood directed staff to check on the condition of the culvert.

It was also noted that the culvert at Butler Drive & Lee is almost washed out. Staff will check on that, as well.

Staff reported that no homes were flooded during the rains, but there are times when our systems can't carry all the stormwater runoff.

Alderman Coburn suggested the city look at ways to control mosquitoes.

Director Gibbs said lights will soon be installed on the water tower which should further dissuade the vultures and other birds from roosting there. In response to questions, he advised that the paint is holding up well.

Morris Coburn moved the meeting be adjourned. David Dickerson seconded. Motion passed. Meeting adjourned at 7:11 p.m.

_____

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

ATTEST:

_____

Kim Hubbard, City Clerk

City of Harrisonville est. 1836

STAFF REPORT

TO: **Public Works Committee**

FROM: **Jerry Gibbs, Director**

DATE: **June 21, 2013**

SUBJECT: **Appeal of Driveway Removal at Gaslight Plaza**

Type of Item: *Policy*

Background

The Highway 291 Project is a partnership with the Highway 71/291 Partners in Progress Transportation Development District, MODOT and the City. The Project includes improvements on Commercial Street to approximately 300 feet east of Plaza Drive. The design engineers, Transystems were tasked with improving the traffic flow and safety throughout the project area. A core group, made up of members from each partner meets to discuss progress and review issues raised. The driveway was a point of discussion during the preliminary design phase.

Commercial Street and Cantrell are city streets. However, to receive funding for these improvements and be considered as part of this project, MODOT had to temporarily extend their State Road System to include the portion of these streets impacted by the project. This also required all improvements to be designed to Federal Highway and MODOT standards. The design process eliminated a driveway located just east of Plaza Drive entering the Gaslight Plaza due to the proximity to the intersection.

Issue

Tim Soulis is the owner of the Gaslight Plaza Shopping Center. He has requested reconsideration of the decision to remove the driveway. The Public Works Committee will be given an opportunity to listen to his concerns. Frank Weatherford, Transystems, Jeff Hardy, MODOT and Ted Martin, City Engineer will be present to respond to any questions or concerns.

Action Item (ID # 1079)

Appeal of Driveway Removal at Gaslight Plaza

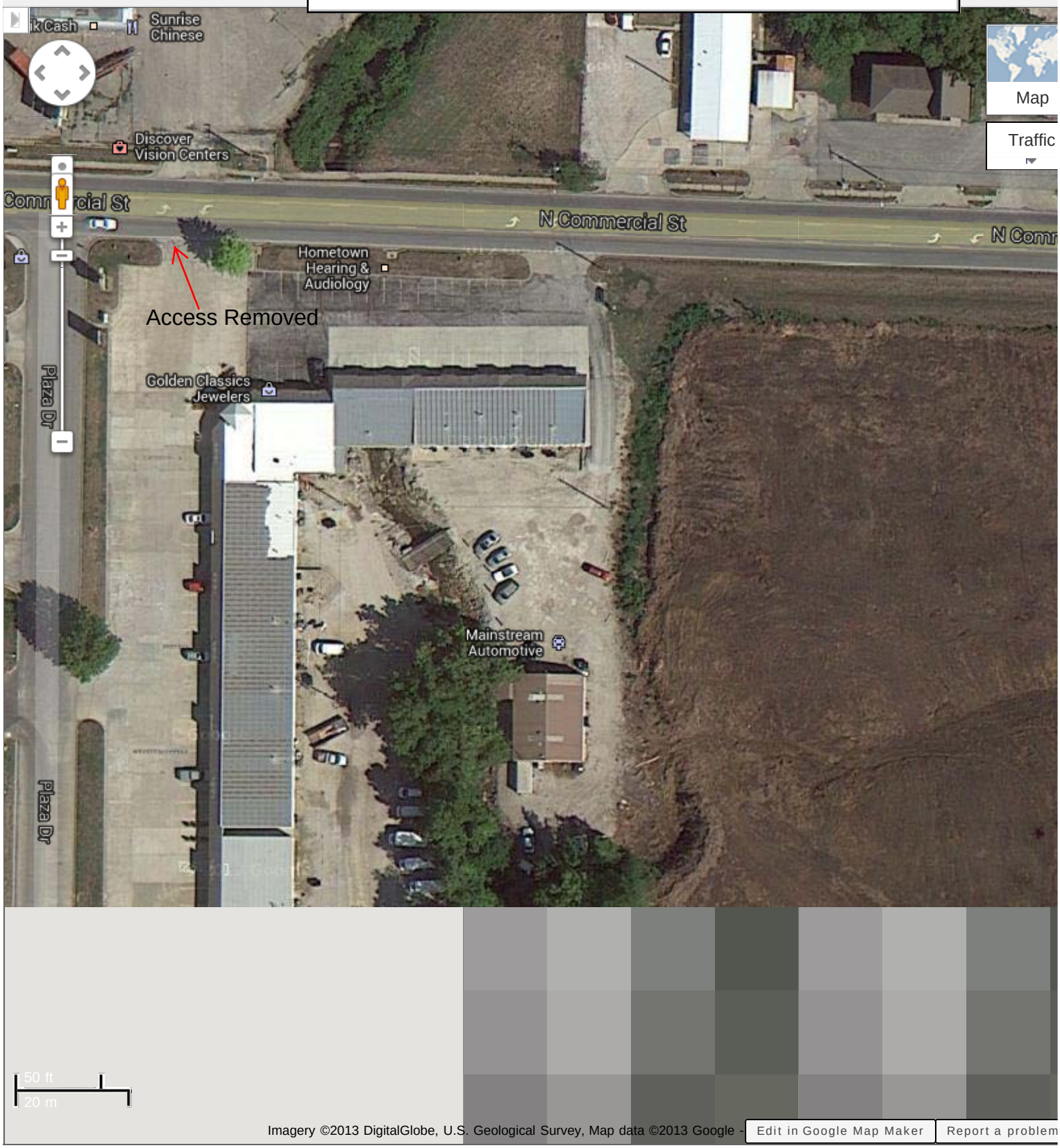
Attachments:

Gaslight Plaza Driveway (PDF)

+You Search Images Maps Play YouTube News Gmail Drive Calendar More

Google

SIGN



City of Harrisonville est. 1836

STAFF REPORT

TO: **Public Works Committee**

FROM: **Jerry Gibbs, Director**

DATE: **July 24, 2013**

SUBJECT: **Airport Improvements**

Type of Item: *Presentation*

Background

Economic Development Objective B-1 was to install jet fuel at the Laurence Smith Memorial Airport. It was estimated to cost $320,000 by applying our annual entitlement money to fund it at 90-95%. Lochner, our airport consultant, has met with MODOT and found if we are to use entitlement funds for a revenue producing project, such as a jet fuel tank, the FAA and MoDOT must be satisfied that the airport pavement is in good condition and no other higher priority projects exist.

Another hurdle is the amount of ground available to match is dwindling. An appraisal by Shaner Appraisals of Overland Park is due this week.

Issues

In the past years the entitlement funding has gone to asphalt projects and this year's asphalt project (south hangar area and connecting taxiway) will adequately address the pavement issues allowing the remaining funds to be used toward a jet fuel tank. Unfortunately, MoDOT has since changed the scope of the project for the south hangar area and connector taxiway. They are specifying that the existing asphalt be removed and the base strengthened, as well as widening the connecting taxiway. These specifications are quite a bit different from what previous MoDOT staff members were specifying and the cost is significantly greater. This causes a couple of problems with our recent project plan: the first being we will not have enough entitlement funds for a jet fuel tank, and secondly we will not have enough "land as match" to complete the asphalt project.

Please see the attached documents for further information. I will be ready to discuss this issue in depth at the Public Works Committee meeting.

Action Item (ID # 1103)

Airport Improvements

Attachments:

8412 Taxiway and Taxilanes Exhibit (PDF)

Report July, 2013 (DOCX)

LRY Operational Data Letter_062013 (PDF)

Project Budget(PDF)

Potential Jet Fuel Sales June 2013 (XLS)

Drawing Name: I:\KAC\PRJ\000008412\00-PBFiles\AE\ACAD\Taxiway and Taxilanes.dwg Jun 21,2013 - 2:55pm

Attachment: 8412 Taxiway and Taxilanes Exhibit (1103 : Airport Improvements)

LOCHNER
903 East 104th Street | Suite 800 | Kansas City, Missouri 64131-3451
P 816.363.2696 | F 816.363.0027

DESIGNED BY	DRAWING NAME	PROJECT NO.	SHEET
ZBF	Taxiway and Taxilane Reconstruct	000008412	01
CHECKED BY	SCALE	REVISION DATE	ISSUE DATE
CVF			6/21/2013

LAWRENCE SMITH MEMORIAL AIRPORT REPORT

For the month of July, 2013

Hangar and Tie Down Space:

- No Hangars are available, 7 confirmed people on the waiting list
- 6 Tie down spots available

Fuel:

- Potential jet fuel sales – approx. 450 gallons
- 100LL – our current price is $5.70 per gallon
- Fuel prices in our service area:

Lee's Summit	$5.63 per gal.
Miami County	$5.56 per gal.
Grain Valley	$5.52 per gal.
Johnson County	$6.30 per gal.
Butler	$5.95 per gal

AVGAS Sales: (June 26th – July 22nd)

- Price $5.70 per gallon
- Gallons Sold 935.5
- Revenue $5,332.47
- Profit $639.90

Airport Projects:

Up to this point, we have been striving to acquire a jet fuel facility by using our annual entitlement money to fund it at 90-95%. As you know, to use entitlement funds for a revenue producing project, such as a jet fuel tank, the FAA and MoDOT must be satisfied that the airport pavement is in good condition and no other higher priority projects exist.

In the past years the entitlement funding has gone to asphalt projects and this year's asphalt project (south hangar area and connecting taxiway) will adequately address the pavement issues allowing the remaining funds to be used toward a jet fuel tank. Unfortunately, MoDOT has since changed the scope of the project for the south hangar area and connector taxiway. They are specifying that the existing asphalt be removed and the base strengthened, as well as widening the connecting taxiway. These specifications are quite a bit different from what previous MoDOT staff members were specifying and the cost is significantly greater. This causes a couple of problems with our recent project plan: the first being we will not have enough entitlement funds for a jet fuel tank, and secondly we will not have enough "land as match" to complete the asphalt project.

Please see the attached documents for further information. I will be ready to discuss this issue in depth at the Public Works Committee meeting.

Attachment: Report July, 2013 (1103 : Airport Improvements)

LOCHNER

H.W. Lochner, Inc.
903 East 104th Street
Suite 800
Kansas City, MO 64131

T 816.363.2696
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www.hwlochner.com

June 20, 2013

TRANSMITTED VIA EMAIL TO:
James Green
Airport Manager, LRY
P.O. Box 367
Harrisonville, MO 64701

RE: Lawrence Smith Memorial Airport (LRY)
Annual Turbine Aircraft Operational Evaluation
Lochner Opp. No. 000008412

Dear James:

To determine the justification and/or need to install Jet A fuel facilities we researched annual turbine aircraft operational activity that regularly utilize LRY. This information may also be used to determine the need to update the Airport Layout Plan (ALP) in order revise the future plan to more closely match current demand and aircraft fleet mix (e.g., piston, turbo-prop and business jets). Our findings are discussed below.

Business Jet Activity
Air charter operations (air taxi) are governed by FAR Part 135 while private individuals operating their own turbine airplane can operate under FAR Part 91. Corporate flight departments typically operate under FAR Part 91K. Turbine operations for LRY were provided by FlightAware.com for the previous calendar year of aircraft traveling to and from the airport on an instrument flight rule (IFR) flight plan. This data included aircraft N-number, aircraft type, origination, destination and time enroute. The data indicated that LRY experienced 111 takeoffs and landings by IFR aircraft during the one year reporting period. Turbo-prop and jet aircraft exclusively operate on IFR flight plans because flights above 18,000 feet MSL (Flight Level [FL] 180), as is customary for these aircraft, require an IFR clearance.

Of the documented IFR operations, 10 were conducted by small-sized business jets weighing approximately 12,500 pounds. However, this figure is assumed to be approximately half of the actual jet activity taking place at the facility. The reason for this is that IFR clearances cancelled on approach and/or picked up while en route after departure are not included in the IFR activity generated by FlightAware. Thus, these departures are not documented as IFR operations and thus, not included in the FlightAware operational data. Regarding aircraft arrivals, aircraft flying with an IFR flight plan will routinely cancel the IFR clearance on arrival unless low visibility conditions dictate completing an instrument approach in actual IFR conditions. Accordingly, the airport's current estimated operational activity is a mere 20 annual jet operations. Haul lengths, or travel legs, for these aircraft ranged from as few as 21 nautical miles (Lee's Summit Municipal Airport-LXT) up to 690 nautical miles (Blue Ridge Airport (MTV)-Martinsville, VA) were observed in the flight information.

Regular business jet users of LRY include Culbertson Aviation, LLC, Brookhaven, MS; Crown Delaware Investments Corp., Bentonville, AR; and Queens Acquisitions, LLC, Wilmington, DE. Aircraft operated by these companies include the Cessna 525 series (Citation Jet and CJ3), as well as the Eclipse 500.

Attachment: LRY Operational Data Letter_062013 (1103 : Airport Improvements)

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Turbo-Prop Activity
Documented operations conducted by cabin class turbo-prop airplanes seating seven to 10 passengers totaled eight (8) takeoffs and landings and consisted of twin-engine aircraft. As with business jet activity, this figure is assumed to include approximately half of the operations by aircraft which cancelled an IFR clearance on approach and/or picked up an IFR clearance after departure. Accordingly, the airport's current estimated turbo-prop operational activity is 16 annual operations.

Regular turbo-prop users of LRY include Scoular Co., Omaha, NE; Phi, Inc., Lafayette, LA; and Central Flying Service, Little Rock, AR. These companies operate the Beechcraft KingAir 90 and 200 series.

Annual Turbine Activity
Based on the information provided by FlightAware.com, the estimated turbine activity at LRY is 36 annual operations by small business jets and multi-engine turbo props weighing at or less than 12,500 pounds. A log of the turbine activity for the previous year is included as an attachment to this letter.

Jet A Fuel Facilities
The current operational information suggests the potential investment in installing Jet A fuel facilities, should the current operational trends continue, would not result in a positive benefit to the city considering the potential costs of acquisition, installation and maintenance of the system. However, installation of a Jet A fuel system has the potential to attract additional turbine users assuming the city is able to sell fuel at a reduced unit price compared to other similar airports in the region.

Airport Layout Plan Update
The current ALP, approved in 2004-05, is obsolete. An updated ALP with a narrative report will revisit the airport's existing conditions and users followed by a reevaluation of the demand forecasts, specifically based airplanes, annual operations and aircraft fleet mix. Updated forecasts considering this new turbine activity, will allow a new look at the recommended airfield and terminal area facility needs (i.e., runway extension, hangar and/or apron development) that will meet the needs of current and future airport users. Updated forecasts and modified facility needs will result in a set of refreshed airfield and terminal development alternatives. The new development alternatives selected by the city and airport stakeholders will result in an updated ALP that represents a new direction for future expansion and project prioritization.

The intent of the ALP update would be to concentrate on establishing development priorities during the 0-5 year timeframe to coincide with the new vision for the airport. We have spoken with MoDOT about updating the ALP to include a narrative report. MoDOT has indicated their support of the city updating the ALP sooner than later.

Based on previous discussions with the city, we have also included typical elements of an ALP update based on MoDOT, Aviation Section, guidelines. They are as follows:

Attachment: LRY Operational Data Letter_062013 (1103 : Airport Improvements)

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- Existing Conditions: Document the history of the airport, how it was acquired, the airport location and accesses to the airport, any previous FAA AIP grants, the aviation and business community served by the airport, and the airport service area and why this updated is warranted. Also included in the inventory of existing airport facilities, based aircraft history of airport operating and maintenance budget, expenditures and sources of revenues, management agreement, and land ownership and easements of record.

- Demand Forecasts: Documents the current, 5- 10- and 20-year local and transient operational trends. Also included are total annual operations, current and future design aircraft, based aircraft, operational fleet mix and annual instrument approaches.

- Facility Needs: Assesses facility requirements including, but not limited to: runway length, width, strength, orientation approaches, land requirements, wind analysis, taxiways, lighting, utilities, terminal areas, hangars, aprons, tie downs, etc.

- Development Alternatives: Graphic depiction of future improvements including exhibits, drawings project schedules and potential project costs (i.e., Capital Improvement Program-CIP). Updating the current ALP will be included as part of this element.

- Environmental Evaluation: A statement of environmental analysis for areas of potential impact, as well as level of impact of the proposed improvements, including proposed mitigation. Resource agency (e.g., FAA, MoDOT, U.S. Army Corp of Engineers) contacts will be included & attached. This element usually includes the completion of a Categorical Exclusion (CE) checklist.

Thank you for allowing Lochner to advise the city regarding this matter and future capital improvements. We look forward to discussing these considerations in greater detail in the near future. In the meantime, please do not hesitate to contact us at 800.748.8276 should you have any questions or comments.

Very truly yours,

LOCHNER

Mike Waller, CM
Senior Associate

Attachment

cc: Jason Knipp (via email)
Chris Flageolle (via email)

Attachment: LRY Operational Data Letter_062013 (1103 : Airport Improvements)

Ident	Type	Origin	Origin Name	Origin City	Destination	Destination Name	Destination City	Departure Time	Arrival Time	Enroute
N734CA	RV-7	GLE061039			KLRY	Lawrence Smith Memorial	Harrisonville, MO	6/16/2012 20:28	6/16/2012 20:28	n/a
N737QX	C172/G	KLNK	Lincoln	Lincoln, NE	KLRY	Lawrence Smith Memorial	Harrisonville, MO	6/25/2012 14:35	6/25/2012 15:54	1:19
N737QX	C172/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KLNK	Lincoln	Lincoln, NE	6/25/2012 18:11	6/25/2012 20:18	2:07
N74BR	BE36/G	KSPI	Abraham Lincoln Capital	Springfield, IL	KLRY	Lawrence Smith Memorial	Harrisonville, MO	6/26/2012 21:26	6/26/2012 23:22	1:56
N74BR	BE36/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KSPI	Abraham Lincoln Capital	Springfield, IL	6/26/2012 23:53	6/27/2012 1:16	1:23
N3082T	PA28/T	KEDC	Austin Executive	Austin, TX	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/3/2012 16:31	7/3/2012 19:54	3:23
N333LM	RV-8	MON069031			KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/4/2012 14:33	7/4/2012 14:33	n/a
N732KC	C210/A	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KJLN	Joplin Rgnl	Joplin, MO	7/11/2012 21:30	7/11/2012 21:30	n/a
N732KC	C210/A	KJLN	Joplin Rgnl	Joplin, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/12/2012 2:23	7/12/2012 2:57	0:34
N3369S	C210/G	KAIO	Atlantic Muni	Atlantic, IA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/15/2012 12:58	7/15/2012 13:56	0:58
N3369S	C210/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KAIO	Atlantic Muni	Atlantic, IA	7/15/2012 14:14	7/15/2012 15:03	0:49
N8246V	BE33/G	52F	Northwest Rgnl	Roanoke, TX	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/19/2012 14:17	7/19/2012 16:37	2:20
N8246V	BE33/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KRFD	Chicago/Rockford Intl	Chicago/Rockford, IL	7/20/2012 15:32	7/20/2012 17:48	2:16
N5874B	C182/G	KUNO	West Plains Rgnl	West Plains, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/20/2012 20:02	7/20/2012 20:02	n/a
N12588	C172/U	KSUZ	Saline County Rgnl	Benton, AR	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/21/2012 12:33	7/21/2012 14:55	2:22
N5304R	C172	KSUX	Sioux Gateway	Sioux City, IA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/21/2012 15:35	7/21/2012 15:35	n/a
N5304RA	C172	KSUX	Sioux Gateway	Sioux City, IA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/21/2012 15:35	7/21/2012 15:35	n/a
N5403R	C172	KSUX	Sioux Gateway	Sioux City, IA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/21/2012 15:35	7/21/2012 15:35	n/a
N262P	EA300	TRAKE302040			KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/22/2012 18:54	7/22/2012 18:54	n/a
N5874B	C182	VIH191072			KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/23/2012 16:01	7/23/2012 16:01	n/a
N5403R	C172/A	KSUX	Sioux Gateway	Sioux City, IA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/24/2012 15:43	7/24/2012 18:26	2:43
N33462	P28A/T	KOKC	Will Rogers World	Oklahoma City, OK	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/25/2012 10:57	7/25/2012 13:01	2:04
N311BC	C421/T	KEFD	Ellington	Houston, TX	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/26/2012 12:22	7/26/2012 15:19	2:56
N8246V	BE33/G	DBQ359013			KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/26/2012 12:32	7/26/2012 12:32	n/a
N754DJ	SR22/G	KEYE	Eagle Creek Airpark	Indianapolis, IN	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/26/2012 14:18	7/26/2012 16:53	2:35
N754DJ	SR22/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KJYR	York Muni	York, NE	7/26/2012 18:58	7/26/2012 20:19	1:21
N2260P	PA23/I	KPWA	Wiley Post	Oklahoma City, OK	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/27/2012 1:34	7/27/2012 3:02	1:28
N243DM	T28	DBQ094007			KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/27/2012 12:58	7/27/2012 12:58	n/a
N8246V	BE33/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	52F	Northwest Rgnl	Roanoke, TX	7/27/2012 13:55	7/27/2012 14:17	0:22
N8246V	BE33/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KGYI	North Texas Rgnl/Perrin Field	Sherman/Denison, TX	7/27/2012 13:55	7/27/2012 15:48	1:53
N706PT	EA50/L	KMCI	Kansas City Intl	Kansas City, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/27/2012 17:01	7/27/2012 17:10	0:09
N706PT	EA50/L	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KMCI	Kansas City Intl	Kansas City, MO	7/27/2012 17:52	7/27/2012 18:02	0:10
N706PT	EA50/L	KMCI	Kansas City Intl	Kansas City, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	7/29/2012 22:02	7/29/2012 22:11	0:08
N11SB	PA31/G	KIKV	Ankeny Rgnl	Ankeny, IA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	8/6/2012 16:07	8/6/2012 16:44	0:37
N94202	C210/G	NASAL191048			KLRY	Lawrence Smith Memorial	Harrisonville, MO	8/19/2012 15:01	8/19/2012 15:01	n/a
N1577W	BE36/T	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KUGN	Waukegan Rgnl	Chicago/Waukegan, IL	8/19/2012 16:51	8/19/2012 16:51	n/a
N308AM	DA40/G	KJAU	Campbell County	Jacksboro, TN	KLRY	Lawrence Smith Memorial	Harrisonville, MO	8/25/2012 13:09	8/25/2012 17:01	3:52
N308AM	DA40/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KITR	Kit Carson County	Burlington, CO	8/25/2012 17:28	8/25/2012 20:21	2:53
N841ST	PA46/T	KLRY	Lawrence Smith Memorial	Harrisonville, MO	K15	Grand Glaize- Osage Beach	Osage Beach, MO	8/30/2012 20:22	8/30/2012 21:06	0:43
N579NC	TBM7/Q	KSUS	Spirit Of St Louis	St Louis, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	9/8/2012 13:04	9/8/2012 13:47	0:43
N579NC	TBM7/Q	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KSUS	Spirit Of St Louis	St Louis, MO	9/8/2012 20:00	9/8/2012 20:38	0:38
N3363Y	C210/G	KGPH	Midwest Ntl Arpt	Mosby, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	9/9/2012 16:20	9/9/2012 16:38	0:17
N3363Y	C210/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KRST	Rochester Intl	Rochester, MN	9/9/2012 18:28	9/9/2012 21:04	2:36
N432Z	BE58/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KSUS	Spirit Of St Louis	St Louis, MO	9/14/2012 16:08	9/14/2012 17:07	0:59
N7286L	AA5/A	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KJLN	Joplin Rgnl	Joplin, MO	9/14/2012 20:19	9/14/2012 21:11	0:52
N311BC	C421/G	KEFD	Ellington	Houston, TX	KLRY	Lawrence Smith Memorial	Harrisonville, MO	9/17/2012 13:41	9/17/2012 13:41	n/a
N169PE	HBN/A	KCYS	Cheyenne Rgnl	Cheyenne, WY	KLRY	Lawrence Smith Memorial	Harrisonville, MO	9/17/2012 20:31	9/17/2012 23:01	2:30
N567SC	BE9L/G	KOMA	Eppley Airfield	Omaha, NE	KLRY	Lawrence Smith Memorial	Harrisonville, MO	9/21/2012 12:19	9/21/2012 12:47	0:28
N567SC	BE9L/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KOMA	Eppley Airfield	Omaha, NE	9/21/2012 13:51	9/21/2012 14:46	0:55
N5874B	C182	VIH191074			KLRY	Lawrence Smith Memorial	Harrisonville, MO	9/22/2012 13:46	9/22/2012 13:46	n/a
N26410	AA5/U	KRVS	Richard Lloyd Jones Jr	Tulsa, OK	KLRY	Lawrence Smith Memorial	Harrisonville, MO	9/23/2012 17:32	9/23/2012 19:12	1:40
N635KC	P28A/G	KOJC	Johnson County Executive	Olathe, KS	KLRY	Lawrence Smith Memorial	Harrisonville, MO	9/28/2012 16:47	9/28/2012 17:01	0:14

N635KC	P28A/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KNVD	Nevada Muni	Nevada, MO	9/28/2012 17:08	9/28/2012 17:34	0:26
N4522B	AA5/G	KLBL	Liberal Mid-America Rgnl	Liberal, KS	KLRY	Lawrence Smith Memorial	Harrisonville, MO	10/15/2012 16:45	#############	2:19
N4522B	AA5/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KTAZ	Taylorville Muni	Taylorville, IL	10/15/2012 20:13	#############	1:39
N5067E	C180/A	ARG073042			KLRY	Lawrence Smith Memorial	Harrisonville, MO	10/16/2012 15:31	#############	n/a
N604WM	SR22/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	3R9	Lakeway Airpark	Lakeway, TX	10/21/2012 19:21	#############	2:49
N2260P	PA23	KPWA	Wiley Post	Oklahoma City, OK	KLRY	Lawrence Smith Memorial	Harrisonville, MO	11/2/2012 19:20	11/2/2012 20:58	1:38
UCM466	C172	JHAWK306003			KLRY	Lawrence Smith Memorial	Harrisonville, MO	11/3/2012 16:57	11/3/2012 16:57	n/a
N22119	C182/G	KMKC	Wheeler Downtown	Kansas City, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	11/9/2012 18:43	11/9/2012 20:07	1:24
N22119	C182/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KSGF	Springfield Arpt	Springfield, MO	11/9/2012 21:28	11/9/2012 22:20	0:52
N111WV	GLAS/T	KMKG	Muskegon County	Muskegon, MI	KLRY	Lawrence Smith Memorial	Harrisonville, MO	11/13/2012 15:17	#############	n/a
N4517T	PA28/A	2H2	Jerry Sumners Sr Aurora Muni	Aurora, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	11/20/2012 16:51	#############	0:56
VNR132	P180/Q	KMTV	Blue Ridge	Martinsville, VA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	11/28/2012 15:01	#############	2:36
N525BR	C525/L	KSGF	Springfield Arpt	Springfield, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	11/29/2012 19:04	#############	0:33
N525BR	C525/L	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KMTV	Blue Ridge	Martinsville, VA	11/29/2012 20:05	#############	1:57
UCM464	C172	KRCM	Skyhaven	Warrensburg, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	12/13/2012 17:48	#############	0:37
N3369S	C210/G	KAIO	Atlantic Muni	Atlantic, IA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	1/1/2013 17:25	1/1/2013 18:24	0:59
N3369S	C210/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KAIO	Atlantic Muni	Atlantic, IA	1/1/2013 19:00	1/1/2013 19:47	0:47
N1800X	C182/R	KDAL	Dallas Love Field	Dallas, TX	KLRY	Lawrence Smith Memorial	Harrisonville, MO	1/5/2013 19:08	1/5/2013 21:41	2:33
N737QX	C172/G	KLNK	Lincoln	Lincoln, NE	KLRY	Lawrence Smith Memorial	Harrisonville, MO	1/8/2013 15:17	1/8/2013 16:53	1:36
N911CM	BE20/G	KMKC	Wheeler Downtown	Kansas City, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	1/12/2013 0:58	1/12/2013 1:07	0:08
N911CM	BE20/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KSGF	Springfield Arpt	Springfield, MO	1/12/2013 1:52	1/12/2013 2:24	0:32
N1577W	BE35/T	KORD	Chicago O'Hare Intl	Chicago, IL	KLRY	Lawrence Smith Memorial	Harrisonville, MO	1/12/2013 14:16	1/12/2013 14:16	n/a
N94202	C210/U	R SLN 147 10			KLRY	Lawrence Smith Memorial	Harrisonville, MO	1/15/2013 23:35	1/16/2013 0:33	0:58
N567SC	BE9L/G	KOMA	Eppley Airfield	Omaha, NE	KLRY	Lawrence Smith Memorial	Harrisonville, MO	1/25/2013 13:35	1/25/2013 14:24	0:49
N567SC	BE9L/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KOMA	Eppley Airfield	Omaha, NE	1/25/2013 22:16	1/25/2013 23:14	0:58
N5219N	C182/G	KASG	Springdale Muni	Springdale, AR	KLRY	Lawrence Smith Memorial	Harrisonville, MO	2/8/2013 14:36	2/8/2013 14:36	n/a
N84ED	C182/G	KADS	Addison	Dallas, TX	KLRY	Lawrence Smith Memorial	Harrisonville, MO	2/11/2013 14:43	2/11/2013 17:21	2:38
UCM458	C172/A	KAIZ	Lee C Fine Memorial	Kaiser Lake Ozark, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	2/20/2013 15:33	2/20/2013 16:23	0:50
N94HB	BE9L/G	KLIT	Bill And Hillary Clinton National/A	Little Rock, AR	KLRY	Lawrence Smith Memorial	Harrisonville, MO	3/1/2013 13:50	3/1/2013 15:13	1:23
N94HB	BE9L/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KLIT	Bill And Hillary Clinton National/Ad	Little Rock, AR	3/1/2013 20:37	3/1/2013 21:48	1:11
N72697	C206/G	KFES	Festus Memorial	Festus, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	3/6/2013 14:30	3/6/2013 15:53	1:23
N810CM	C525/Q	KROG	Rogers Muni-Carter Field	Rogers, AR	KLRY	Lawrence Smith Memorial	Harrisonville, MO	3/12/2013 15:16	3/12/2013 15:48	0:32
N810CM	C525/Q	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KROG	Rogers Muni-Carter Field	Rogers, AR	3/12/2013 19:14	3/12/2013 19:39	0:25
N51300	C177	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KLBO	Floyd W. Jones Lebanon	Lebanon, MO	3/20/2013 19:38	3/20/2013 20:09	0:31
N38575	P32R/G	KDTN	Shreveport Downtown	Shreveport, LA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	3/28/2013 18:18	3/28/2013 20:47	2:29
N72697	C206/G	KJLN	Joplin Rgnl	Joplin, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	3/28/2013 19:04	3/28/2013 19:49	0:45
N72697	C206/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KFES	Festus Memorial	Festus, MO	3/28/2013 20:38	3/28/2013 21:55	1:17
N38575	P32R/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KDTN	Shreveport Downtown	Shreveport, LA	3/28/2013 21:38	3/29/2013 0:08	2:30
N2260P	PA23/A	KPWA	Wiley Post	Oklahoma City, OK	KLRY	Lawrence Smith Memorial	Harrisonville, MO	3/30/2013 15:43	3/30/2013 17:33	1:50
N8586M	BE35/R	KDAL	Dallas Love Field	Dallas, TX	KLRY	Lawrence Smith Memorial	Harrisonville, MO	3/31/2013 19:33	3/31/2013 22:21	2:47
N3236V	BE36/G	KBEC	Beech Factory	Wichita, KS	KLRY	Lawrence Smith Memorial	Harrisonville, MO	4/12/2013 23:34	4/13/2013 0:21	0:47
N3236V	BE36/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KBEC	Beech Factory	Wichita, KS	4/14/2013 20:11	4/14/2013 21:15	1:04
N4197S	BE35/G	KFTT	Elton Hensley Memorial	Fulton, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	4/26/2013 17:31	4/26/2013 18:18	0:47
N643SR	SR22/G	M04	Covington Muni	Covington, TN	KLRY	Lawrence Smith Memorial	Harrisonville, MO	4/26/2013 18:18	4/26/2013 20:00	1:42
N643SR	SR22/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	8V2	Stuart-Atkinson Muni	Atkinson, NE	4/26/2013 21:32	4/26/2013 23:32	2:00
N9798J	P28A/G	KRDK	Red Oak Muni	Red Oak, IA	KLRY	Lawrence Smith Memorial	Harrisonville, MO	4/30/2013 16:58	4/30/2013 16:58	n/a
N4197S	BE35/G	KFTT	Elton Hensley Memorial	Fulton, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	4/30/2013 18:38	4/30/2013 19:27	0:49
N4197S	BE35/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KFTT	Elton Hensley Memorial	Fulton, MO	4/30/2013 23:50	5/1/2013 0:35	0:44
N286VP	C25B/Q	KLXT	Lee'S Summit Muni	Lee'S Summit, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	5/7/2013 19:52	5/7/2013 19:58	0:06
N286VP	C25B/Q	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KPWK	Chicago Executive	Chicago/Prospect Heights/W	5/7/2013 20:20	5/7/2013 21:34	1:14
N2260P	PA23/A	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KPBF	Grider Field	Pine Bluff, AR	5/23/2013 21:04	5/23/2013 23:07	2:03
N9409C	PA32	R SLN 120 19			KLRY	Lawrence Smith Memorial	Harrisonville, MO	5/24/2013 19:37	5/24/2013 20:44	1:06
N22AC	SR20/G	KRAP	Rapid City Rgnl	Rapid City, SD	KLRY	Lawrence Smith Memorial	Harrisonville, MO	5/25/2013 19:45	5/25/2013 19:45	n/a

N94202	C210/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KSUS	Spirit Of St Louis	St Louis, MO	6/7/2013 21:12	6/7/2013 22:23	1:11
N94202	C210/G	KSUS	Spirit Of St Louis	St Louis, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	6/8/2013 18:52	6/8/2013 20:17	1:25
N626CB	C172/G	1H0	Creve Coeur	St Louis, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	6/12/2013 12:09	6/12/2013 14:30	2:21
N626CB	C172/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	KAIZ	Lee C Fine Memorial	Kaiser Lake Ozark, MO	6/12/2013 14:48	6/12/2013 15:51	1:03
N626CB	C172/G	KAIZ	Lee C Fine Memorial	Kaiser Lake Ozark, MO	KLRY	Lawrence Smith Memorial	Harrisonville, MO	6/13/2013 13:45	6/13/2013 14:43	0:58
N626CB	C172/G	KLRY	Lawrence Smith Memorial	Harrisonville, MO	1H0	Creve Coeur	St Louis, MO	6/13/2013 15:01	6/13/2013 16:40	1:39

	Ops.	
Business Jets:	10	(Documented)
	20	(Estimated)
Turbo-Prop	8	(Documented)
	16	(Estimated)

TOTAL PROJECT BUDGET

LAWRENCE SMITH AIRPORT
HARRISONVILLE, MO

Reconstruct T-Hangar Taxilanes

June 19, 2013

PROJECT FUNDING

Grant - 09', 10', & 11' NPE		$ 330,961.00
Local Matching Funds for Grant - (Land As Match)		$ 17,419.00
	Subtotal Funds (95%-5%)	$ 348,380.00
Grant - 11 & 12' NPE		$ 177,770.00
Local Matching Funds for Grant - 10%		$ 9,356.32
	Subtotal Funds (95%/5%)	$ 187,126.32
Grant - 13' NPE		$ 150,000.00
Local Matching Funds for Grant - 10%		$ 16,666.67
	Subtotal Funds (90%/10%)	$ 166,666.67
TOTAL FUNDING AVAILABLE		**$ 702,173**

PROJECT COSTS

Administrative		
Legal (Est.)		$ 500.00
Advertising (Est.)		$ 500.00
	Subtotal	**$ 1,000.00**
Engineering		
Design Services (Est.)		$ 50,000.00
Construction Services (Est.)		$ 100,000.00
	Subtotal	**$ 150,000.00**
Construction		
Construction Costs -- Base Bid (Est.)		$ 630,689.50
Construction Costs -- Add Alternate (Est.)		$ 137,517.50
	Subtotal	**$ 768,207.00**
TOTAL PROJECT COSTS BASE BID (Est.)		**$ 781,690**
TOTAL PROJECT COSTS BASE BID + ADD ALTERNATE (Est.)		**$ 919,207**

I:\KAC\PRJ\000008412\00-PBFiles\AE\EXCEL\[Master-Payitems_(Harrisonville).xls]BUDGET (MoDOT)

Attachment: Project Budget (1103 : Airport Improvements)

LAWRENCE SMITH AIRPORT
HARRISONVILLE, MO

AIP/ MODOT PROJECT NO. X-XX-XXXX-XX/XX

BASE BID
Reconstruct T-Hangar Taxilanes

ADD ALTERNATE
Reconstruct Apron Connecting Taxiway

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

June 19, 2013

I:\KAC\PRJ\000008412\00-PBFiles\AE\EXCEL\[Master-Payitems_(Harrisonville).xls]ESTIMATE

BASE BID Reconstruct T-Hangar Taxilanes

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	MO-100	Mobilization	1	L.S.	$ 75,000.00	$ 75,000.(
2	TEMP	Temporary Marking, Lighting, & Barricades	1	L.S.	$ 8,000.00	$ 8,000.(
3	P-151	Removal of Existing Storm Sewer	1	L.S.	$ 5,000.00	$ 5,000.(
4	P-152	Unclassified Excavation	2,192	C.Y.	$ 6.00	$ 13,152.(
5	FABRIC	Geofabric	6,714	S.Y.	$ 4.00	$ 26,856.(
6	AGGR	12" Subbase Course (P-154, P-207, or P-219)	6,714	S.Y.	$ 15.00	$ 100,710.(
7	MO-501	6" P.C.C. Pavement	6,577	S.Y.	$ 45.00	$ 295,965.(
8	MO-601	Saw Cut (Full Depth)	150	L.F.	$ 10.00	$ 1,500.(
9	---	Base Rock Removal	7,865	S.Y.	$ 2.00	$ 15,730.(
10	MO-601	Pavement Removal	7,731	S.Y.	$ 4.00	$ 30,924.(
11	MO-620	Pavement Marking	635	S.F.	$ 2.50	$ 1,587.!
12	MO-701	24" RCP	180	L.F.	$ 60.00	$ 10,800.(
13	D-705	4" Perforated PE Underdrain Pipe	1,997	L.F.	$ 10.00	$ 19,970.(
14	D-705	4" Non-Perforated PE Outlet Pipe	213	L.F.	$ 15.00	$ 3,195.(
15	D-705	Underdrain Cleanout Riser	6	EA.	$ 450.00	$ 2,700.(
16	D-705	Connect (4" PE Pipe) to Inlet	2	EA.	$ 1,200.00	$ 2,400.(
17	D-705	Splash Pad	2	EA.	$ 750.00	$ 1,500.(
18	D-751	Area Inlet	1	EA.	$ 4,000.00	$ 4,000.(
19	---	Connect to Existing Inlet	1	EA.	$ 2,000.00	$ 2,000.(
20	MO-156	Erosion Control Barrier (Silt Fence)	500	L.F.	$ 5.00	$ 2,500.(
21	MO-901	Seeding	2.4	ACRE	$ 1,500.00	$ 3,600.(
22	MO-908	Mulching	2.4	ACRE	$ 1,500.00	$ 3,600.(
					Subtotal Base Bid -	**$ 630,689.!**

ADD ALTERNATE Reconstruct Apron Connecting Taxiway

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	P-152	Unclassified Excavation	616	C.Y.	$ 6.00	$ 3,696.(
2	FABRIC	Geofabric	1,989	S.Y.	$ 4.00	$ 7,956.(
3	AGGR	12" Subbase Course (P-154, P-207, or P-219)	1,989	S.Y.	$ 15.00	$ 29,835.(
4	MO-501	6" P.C.C. Pavement	1,849	S.Y.	$ 45.00	$ 83,205.(
5	MO-601	Saw Cut (Full Depth)	100	L.F.	$ 10.00	$ 1,000.(
6	---	Base Rock Removal	1,315	S.Y.	$ 2.00	$ 2,630.(
7	MO-601	Pavement Removal	1,192	S.Y.	$ 4.00	$ 4,768.(
8	MO-620	Pavement Marking	331	S.F.	$ 2.50	$ 827.!
9	MO-901	Seeding	1.2	ACRE	$ 1,500.00	$ 1,800.(
10	MO-908	Mulching	1.2	ACRE	$ 1,500.00	$ 1,800.(
					Subtotal Add Alternate -	**$ 137,517.!**

PROJECT TOTAL $ 768,207.00

Attachment: Project Budget (1103 : Airport Improvements)

POTENTIAL JET FUEL SALES

(in gallons)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	***ANNUAL TOTAL***
2003	?	?	1,700	2,300	2,300	2,500	2,000	2,500	1,800	1,500	1,200	1,400	**19,200**
2004	1,800	2,500	3,500	2,500	1,500	1,500	3,000	2,800	2,000	2,000	3,200	3,400	**29,700**
2005	2,100	1,400	1,200	2,200	2,400	2,000	1,500	1,000	2,000	1,500	1,000	1,300	**19,600**
2006	1,000	1,500	1,800	1,800	1,000	1,300	1,000	1,200	1,500	1,000	1,100	800	**15,000**
2007	500	1,000	1,000	1,200	1,000	1,200	1,000	500	600	500	300	200	**9,000**
2008	200	200	200	100	100	200	300	400	200	250	150	100	**2,400**
2009	150	100	100	150	200	250	150	250	150	150	100	100	**1,850**
2010	250	350	250	150	150	100	100	150	100	0	200	250	**2,050**
2011	350	300	250	200	250	200	250	350	200	200	250	200	**3,000**
2012	150	250	150	200	400	300	200	200	300	200	350	100	**2,800**
2013	350	250	150	200	250	300	450						1,950

Attachment: Potential Jet Fuel Sales June 2013 (1103 : Airport Improvements)

City of Harrisonville est. 1836

STAFF REPORT

TO: **Public Works Committee**

FROM: **Jerry Gibbs, Director**

DATE: **July 22, 2013**

SUBJECT: **Clark Sewer**

Type of Item: *Bid*

Background

The city has in place an 8" clay sewer line located in and along a drainage ditch owned by Bill Clark, running from Lake Street in a northwesterly direction until it connects to the sewer inceptor along Ash Street west of City Park. The sewer line has collapsed in the vicinity of the concrete bridge over the ditch. The location and extent of the collapse was verified by CCTV provided by ACE Pipe. The sewer line cannot be repaired without damaging the bridge installation. The sewer line is in a prescriptive easement.

Steve Woodring and Robert Edwards have estimated the water infiltration allowed by this collapsed section during wet periods could be as high as 250,000 gpd. The 2013 Budget has $40,000 identified for this project.

Issue

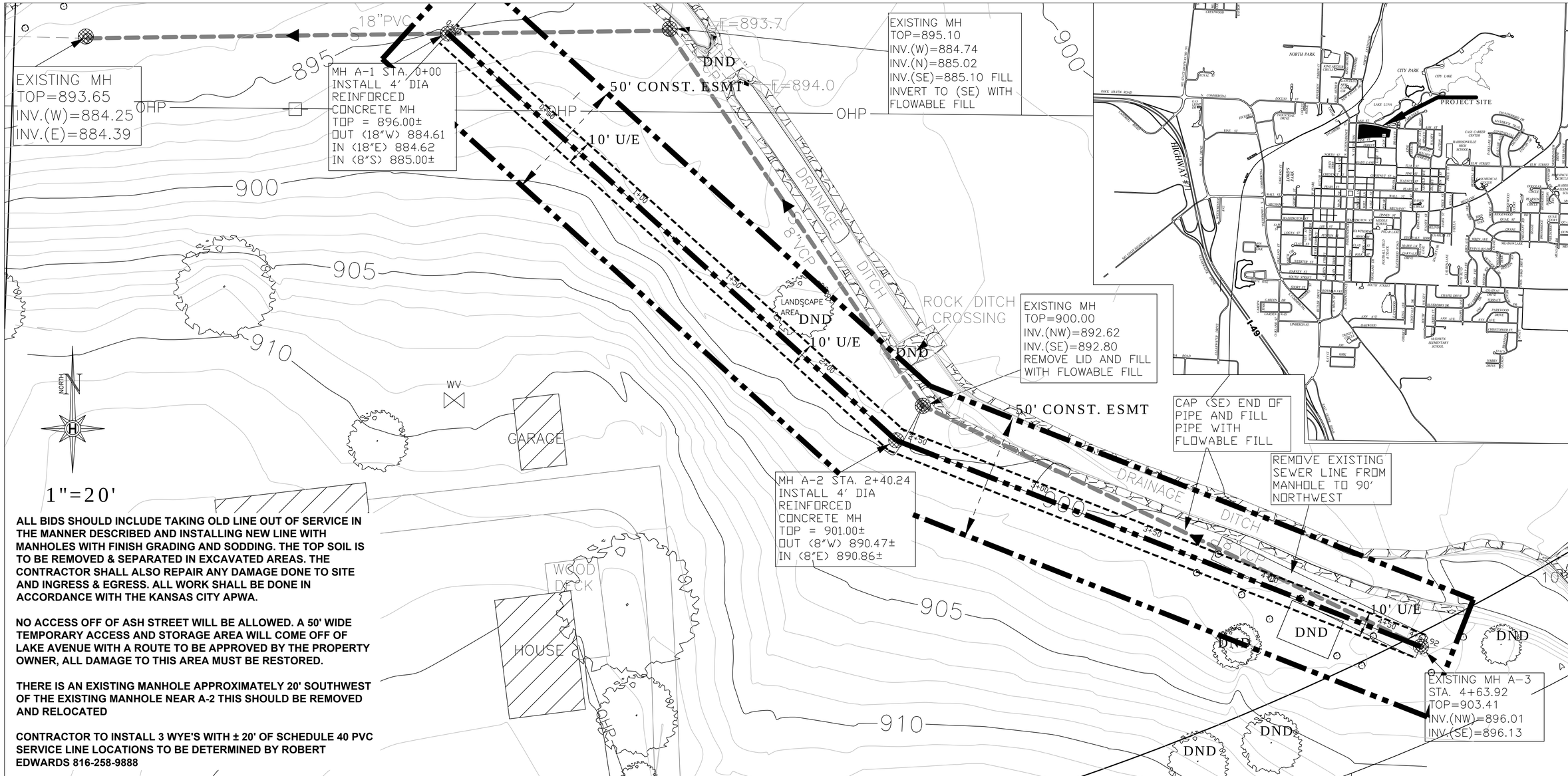
Staff has had a Notice to Bidders published and posted in accordance with our purchasing policies. The description of the project reads ***"Construction of approximately 464 feet of 8" diameter PVC sanitary sewer pipe, 2 reinforced concrete manholes, and other miscellaneous appurtenances including excavation, backfilling, compaction, grading, preserving existing surface infrastructure, and site restoration."*** The project is being bid as a lump sum bid. Four contractors have received the contract documents and plans. Bids will be received July 25, 2013 at 2 PM. The results will be made available at the Public Works Committee meeting. Staff will be requesting approval to send a positive recommendation to the Board of Alderman to award the contract to the lowest qualified bidder. A copy of the plan is attached.

Action Item (ID # 1098)

Clark Sewer

Attachments:

Bill Clark-2-Bill Clark Final B (PDF)

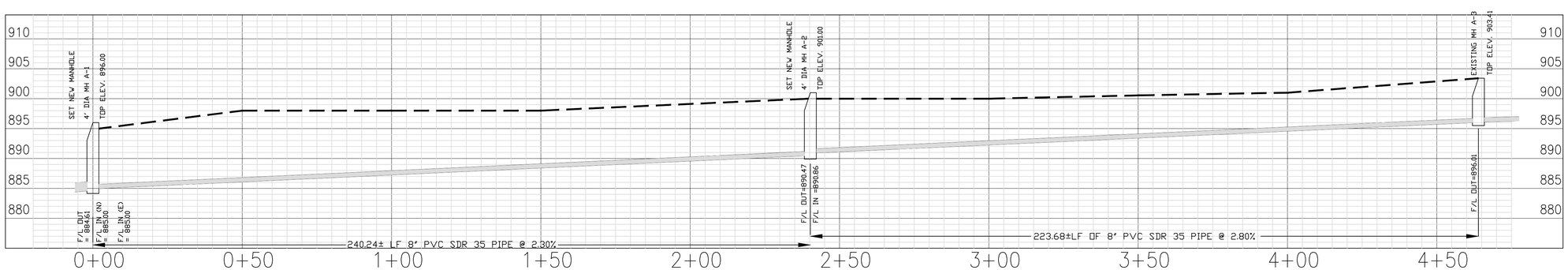


ALL BIDS SHOULD INCLUDE TAKING OLD LINE OUT OF SERVICE IN THE MANNER DESCRIBED AND INSTALLING NEW LINE WITH MANHOLES WITH FINISH GRADING AND SODDING. THE TOP SOIL IS TO BE REMOVED & SEPARATED IN EXCAVATED AREAS. THE CONTRACTOR SHALL ALSO REPAIR ANY DAMAGE DONE TO SITE AND INGRESS & EGRESS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE KANSAS CITY APWA.

NO ACCESS OFF OF ASH STREET WILL BE ALLOWED. A 50' WIDE TEMPORARY ACCESS AND STORAGE AREA WILL COME OFF OF LAKE AVENUE WITH A ROUTE TO BE APPROVED BY THE PROPERTY OWNER, ALL DAMAGE TO THIS AREA MUST BE RESTORED.

THERE IS AN EXISTING MANHOLE APPROXIMATELY 20' SOUTHWEST OF THE EXISTING MANHOLE NEAR A-2 THIS SHOULD BE REMOVED AND RELOCATED

CONTRACTOR TO INSTALL 3 WYE'S WITH ± 20' OF SCHEDULE 40 PVC SERVICE LINE LOCATIONS TO BE DETERMINED BY ROBERT EDWARDS 816-258-9888



City of Harrisonville EST. 1836

CLARK SEWER REALIGNMENT

300 EAST PUBL STREET
HARRISONVILLE, MISSOURI 64701
PHONE 816/884-8000 FAX 884-8004

Date: 05-2-03
Drawn By: BLP
Checked By: JAK
Scale: 1"=20'

PAGE 1 OF 1

Attachment: Bill Clark-2-Bill Clark Final B (1098 : Clark Sewer)

City of Harrisonville est. 1836

STAFF REPORT

TO: **Public Works Committee**

FROM: **Jerry Gibbs, Director**

DATE: **July 24, 2013**

SUBJECT: **North Independence Bridge**

Type of Item: *Approval*

Issue:

This bridge is in poor condition and scheduled for replacement.

Background:

The City has received a MODOT grant to pay for 80% of the estimated construction costs.

The General Fund budget contains $322,000 for the North Independence Bridge Replacement in line item 01-6-0907-1067. Bids will be received on July 30. MODOT will need to review the bids of the two low bidders before identifying the successful bidder.

Recommendations:

Staff will be asking for a recommendation of approval to the Board of Aldermen of a qualified apparent low bid, this recommendation would be contingent on MODOT approving the bid.

Action Item (ID # 1101)

North Independence Bridge

City of Harrisonville est. 1836

STAFF REPORT

TO: **Public Works Committee**

FROM: **Jerry Gibbs, Director**

DATE: **July 23, 2013**

SUBJECT: **Power and Water Building**

Type of Item: *Contract*

Background

City staff members met with Environmental Advisors and Engineers, Inc and BW Law Group whose specialty is environmental issue resolution. The meeting was to brainstorm and discuss alternatives for:

- Repurposing the site area and discuss advantages and disadvantages of uses
- Address building structural issues
- Minimize overall liability and potential lawsuits
- Minimize environmental liabilities
- Identify potential next steps

Discussion

Environmental Engineer Jill Biesma had completed a preliminary review of information of uses from insurance reports and Sandborn Maps from the turn of the century. She identified previous uses that may have contributed an environmental impact to the property the city owns. Concern was also expressed over what the city may have done on the site. A prudent buyer and lender will want assurances they are not assuming a pre-existing environmental risk.

Other discussions of risk were safety related for trespassers either being hurt while getting access to the building or come in contact with the water and debris within the building. Past access restriction measures have not been successful to keep trespasser out of the building. If someone is hurt it could prompt MODNR doing additional environmental investigation at the city's expense. Additional access restrictions and security measures were recommended immediately. This could be a new fence around the building or cameras to help identify trespassers.

The lower levels of the building and pits have water and in some areas trash. There is no record of what has been disposed of within the pits. Potential additional liabilities are disposal of the water and waste. There is no clear path to identify where the water is entering the lower areas.

Suggestions were:

- No discharges offsite without proper testing and manifesting
- Permitted waste disposal by licensed waste disposal firm
- No discharges to surface, groundwater, sanitary sewer or storm sewer without testing and proper permits.
- Profiling of water and materials anticipated to be very expensive for testing; results will determine regulated materials and associated unit costs.

There are a number of options to consider when repurposing. The risk to the city varies from lower to higher with these alternatives.

- Demo and keep and convert to future park
- Sale with seller-led due diligence provided to buyer
- Sale "as is"
- Sale with due diligence by buyer- Phase I/II

An environmental site assessment is a report prepared a buyer or seller that identifies potential or existing environmental contamination liabilities <http://en.wikipedia.org/wiki/Legal_liability> and risk of ownership. An environmental assessment provides "safe harbor" to potential buyers and lenders. The city may consider a Phase 1 Environmental to better understand their potential exposure and liability. It would also be helpful if contamination of the site occurs after the sale. The city has owned the property for many decades and may be considered a "potentially responsible party". This could limit grants and loans that may be available to assist in the environmental process.

Staff is recommending proceeding with a Phase 1 Environmental Assessment to better understand the nature of cleanup costs associated with a change in land use. A Phase 1 EA will cost in the range of $25,000 to $50,000 depending on scope. If a Phase II is needed the cost would be dependent on the type and number of environmental tests.

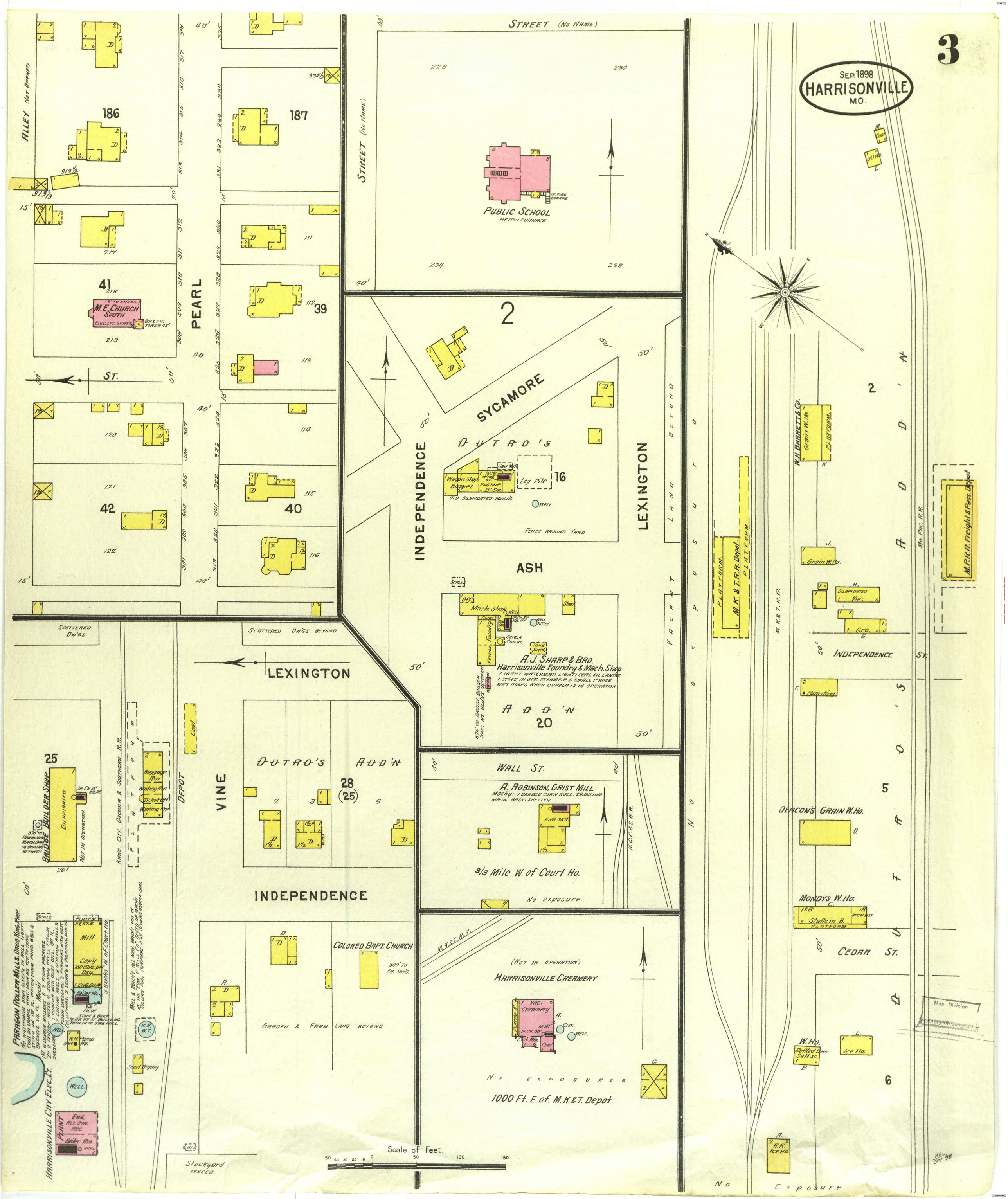
Environmental attorney Chris Wendelbo commented to me after the meeting, while there are issues with these buildings, there are also solutions that can help mitigate our risk.

Action Item (ID # 1100)

Power and Water Building

Attachments:

hville1898-3 (2) (PDF)


3
Sep. 1898
HARRISONVILLE
MO.
STREET (No NAME)
PUBLIC SCHOOL
HEAT: FURNACE
ALLEY NOT OPENED
186
187
41
M.E. CHURCH SOUTH
ELEC. LTS. STOVES
PEARL
ST.
42
40
39
2
SYCAMORE
DUTRO'S
Wagon Shop
Buggies
Log Pile
16
WELL
FENCE AROUND YARD
INDEPENDENCE
LEXINGTON
LAND BEYOND
VACANT
ASH
Mach. Shop
Foundry
A.J. SHARP & BRO.
Harrisonville Foundry & Mach. Shop
1 NIGHT WATCHMAN. LIGHT: COAL OIL LANTERNS
1 STOVE IN OFF. STEAM F. P. & SMALL 1" HOSE
WET ROOFS WHEN CUPOLA IS IN OPERATION
ADD'N
20
SCATTERED DW'GS.
SCATTERED DW'GS BEYOND
LEXINGTON
25
BRIDGE BUILDER SHOP
DILAPIDATED
NOT IN OPERATION
PARAGON ROLLER MILLS. DAVID KING, PROP.
HARRISONVILLE CITY ELEC. LT.
PLANT
Mill
Coal
Baggage Rm.
Waiting Rm.
Ticket Off.
DEPOT
VINE
DUTRO'S ADD'N
28
(25)
INDEPENDENCE
COLORED BAPT. CHURCH
GARDEN & FARM LAND BEYOND
Stockyard
FENCED.
WALL ST.
A. ROBINSON, GRIST MILL
3/8 Mile W. of Court Ho.
No exposure.
M.K.&T.R.R.
(NOT IN OPERATION)
HARRISONVILLE CREAMERY
No EXPOSURES.
1000 Ft. E. of M.K.&T. Depot
Scale of Feet.
50 40 30 20 10 0 50 100 150
M.K.&T.R.R.
PLATFORM
M.K.&T. Depot
W.H. BARRETT & Co.
Grain W. Ho.
Grain W. Ho.
DILAPIDATED
VAC.
Gro.
INDEPENDENCE
ST.
Mo. Pac. R.R.
M.P.R.R. Freight & Pass. Depot
Boarding
DEACON'S GRAIN W. Ho.
MONDYS W. Ho.
Stalls in B.
PLATFORM
CEDAR ST.
W. Ho.
Bottled Beer S&H &c.
Ice Ho.
P.R.R. Ice Ho.
5
6
No Exposure
Map Division

City of Harrisonville est. 1836

STAFF REPORT

TO: **Public Works Committee**

FROM: **Jerry Gibbs, Director**

DATE: **July 23, 2013**

SUBJECT: **Public Works Monthly Update**

Type of Item: *Report*

DESIGN PHASE PROJECTS:

WATER SYSTEMS

- **KC Water Transmission Main:**
  - Negotiations are continuing with Lees Summit.
- **Water Treatment Plant Upgrades Phase 1:**
  - SCADA IS 95% done.
  - Burns and McDonnell has started the plant optimization review
    - Taste and Odor Workshop 3 will try for September
    - Preliminary Draft of the emergency connection Report has been submitted for review
    - Preliminary Well Report findings concluded a well was not viable as a backup/emergency source,
    - Lake Harrisonville Technical Memo in 1st draft
- **East Washington/South Lexington Waterline Improvements-**
    - Three outstanding access easements remain
    - DNR approval has been given

SANITARY SEWERS

- **Ann Street Sanitary Sewer:** Outside engineering company completing contracts prior to begin design.
- **Foundation Drain Removal Program:** Two of three new applications have been identified as having a foundation drain. New letter will be e-mailed citing homes built in the 50, 60 and 70's with basements are prime candidates to have a foundation drain tied into the sewer.
- **CCTV -** RedZone start date August
- **Eastwood Sanitary Sewer Reroute:** Outside engineering company completing contracts prior to begin design.
- **Clark Sewer -** Bids under consideration

STORMWATER

- **Morningview Storm Drainage Improvement Project:** final design easements have been given to Staff to start acquisition.

GENERAL

- **Energize Missouri:**
  - DNR submitting diminimus waiver (< 5% of total) to Department of Energy
  - DNR requesting $20,000 of loan proceeds returned as they lent us more money then approved.
- **Mechanic Street-**
  - MODOT is in design phase
  - Tentative bid date Spring 2015
- **291Partners in Progress-**
  - MODOT is in the R/W acquisition phase.
  - Offers have been submitted to all affected landowners
  - Condemnation proceedings expected August - September time frame
  - Utility relocation (electric, gas, cable) cannot start until R/W is cleared by MODOT. Anticipated to be August 2013
  - Water and sewer will be bid as part of the overall contact
- **North Independence Bridge -**
  - Bid Date is July 30
- **Pearl Street** - cost to remove dead trees and plant a 1.5" caliper tree as replacement is being gathered

CONSTRUCTION PHASE PROJECTS:

- **Asphalt mill & Overlays:** 100% Complete
- **Microsurfacing** 100% Complete
- **2013 Sidewalk Program:** Preparing for Bids

Discussion Item (ID # 1099)

Public Works Monthly Update