



**JOINT WORK SESSION
AGENDA
FOR
CREVE COEUR CITY COUNCIL
AND
HORTICULTURAL, ECOLOGY AND BEAUTIFICATION COMMITTEE
300 NORTH NEW BALLAS RD
JANUARY 25, 2016
6:00 PM**

CALL TO ORDER

DISCUSSION ITEMS

- 1. Approval of Council Work Session Minutes**
Summary: Council to approve past work session minutes.
- 2. Missouri Department of Conservation Emerald Ash Borer Presentation**
Summary: Representatives from the Missouri Department of Conservation will present about the Emerald Ash Borer, its impact on local ash trees and treatment solutions.
- 3. Creve Coeur Emerald Ash Borer Maintenance Program**
Summary: Staff seeks Council guidance related to Staff's recommendations regarding the Ash tree removals in public spaces due to the Emerald Ash Borer infestation.

Pursuant to Section 610.022 RSMo., the City Council could, at any time during the meeting, vote to close the public meeting and move to closed session to discuss matters relating to litigation, legal actions and/or communications from the City Attorney as provided under Section 610.021(1) RSMo. and/or personnel matters under Section 610.021(13) RSMo. And/or employee matters under Section 610.021(3) RSMo. and/or real estate matters under Section 610.021(2) or other matters as permitted by Chapter 610.

Posted: _____ posted 01/22/2016
Deborah Ryan, MPCC
City Clerk



City Council
300 North New Ballas Rd
Creve-Coeur, MO 63141

SCHEDULED

Meeting: 01/25/16 06:00 PM
Department: Legislative /City Clerk
Category: Report
Prepared By: Debbie Ryan
Initiator: Debbie Ryan
Sponsors:

DRAFT MINUTES (ID # 1736)

DOC ID: 1736

Approval of Council Work Session Minutes

Council to approve past work session minutes.



**WORK SESSION MEETING
MINUTES
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
MAY 26, 2015
6:00 PM**

Present: Mayor Barry Glantz, Council Members, Cynthia Kramer, Charlotte D'Alfonso, David Kreuter, AJ Wang, Ellen Lawrence, Robert Hoffman and Robert Kent.

Creve Coeur Staff present: City Administrator Mark Perkins, Assistant to the City Administrator Sharon Stott, Finance Director Dan Smith, Police Chief Eidman, Public Works Director Jim Heines, City Engineer Matt Wohlberg, City Attorney Carl Lumley and City Clerk Deborah Ryan.

1. Council Work Session Minutes Dated April 27 and May 11, 2015

Council Member Hoffman moved, seconded by Council Member D'Alfonso to approve work session minutes dated April 27 and May 11, 2015. Passed by unanimous vote.

2. FY 2016 Budget Review

Mark Perkins completed reviewing the FY 2016 budget. Discussed Dielmann Complex its revenues and expenditures and the Enterprise Fund. (Exhibit A)

Dan Smith discussed the Employee Pension Fund. Beginning July 1, 2015 the employee contribution is going up a half a percent and the unfunded portion of the fund is under \$6 million.

Dan Smith discussed the sewer later fund and reviewed that the fees were dropped a few year ago from \$49 to \$28 due to a surplus in the fund. In the past couple of years claims have increased and need to consider increasing the fees.

Dan Smith stated the Finance Committee is in the process of budget review and will report to Council soon.

3. Shared Cost Sidewalk Program

Council Member Kent distributed a handout reviewing the possibility of sidewalk cost sharing and the benefits. (Exhibit B)

Council Member Lawrence stated she is concerned it will become an issue with who can afford it and who can't.

Council Member Hoffman suggested including commercial properties as well.

Mark Perkins stated a 50/50 sidewalk program is not uncommon but currently the city takes care of the sidewalks within the city.



**AGENDA
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
MAY 26, 2015
6:00 PM**

Council Member Kramer stated she is concerned with the residents that can't afford to have nicer sidewalks in the front of their house.

Council Member Kreuter stated this is a lot to consider and there have been a lot of good points made for and against the program.

Council Member Lawrence stated she would need more information and time to consider the program.

Adjourn 7:25 p.m.



**WORK SESSION MEETING
MINUTES
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
JUNE 22, 2015
6:00 PM**

Present: Mayor Barry Glantz, Council Members, Cynthia Kramer, Charlotte D'Alfonso, David Kreuter, AJ Wang, Ellen Lawrence, Robert Hoffman, Scott Saunders and Robert Kent.

Also present: Lynn Berry, Personnel Committee; James Faron, P & Z; Kelly Sullivan, Employee Pension; Dan Tierney, Arts Committee, Claire Chosid, HEB; Martin Jaffe, Storm Water Committee; Al Schenberg, Board of Adjustment; David Schlafley, EDC; Roger Levy, Board of Adjustment.

Creve Coeur Staff present: City Administrator Mark Perkins, Assistant to the City Administrator Sharon Stott, Finance Director Dan Smith, Police Chief Eidman, Public Works Director Jim Heines, City Engineer Matt Wohlberg, City Attorney Carl Lumley and City Clerk Deborah Ryan.

1. Introduction and Presentation of Annual Reports by Chairs

Mark Perkins reviewed the following reminder items for all Board, Committee and Commissions members:

- Quorum is half of the members plus one
- If there is not a quorum then there are no official minutes of the meeting that are taken. Discussions can still take place but no voting on any issues when there is not a quorum
- Requested that all Chairs encourage attendance by all members and reach out to those that have not been attending
- Bi-annual ethics training will be scheduled in September or October of this year
- Reviewed important items of the Sunshine Law
- Chairs are to be elected annually and serve a maximum of three years in the Chair position

Martin Jaffe stated he is unclear about the Sunshine Law violations in relating to emails.

Mayor Glantz stated discussions between members regarding any issue should be taking place during an open meeting so discussion is documented.

Lynn Berry of the Personnel Appeals Board stated this year they changed from a Committee to a Board. A Board has different rules and had an open meeting with the City Attorney to clarify the new roles.

Roger Levy stated the Board of Adjustment meets when needed and voted on five variances this year. Looking forward to acclimating the new Community Development Director and a new P & Z Chair.



**AGENDA
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
JUNE 22, 2015
6:00 PM**

Kelly Sullivan stated the Employee Pension Fund Board of Trustees reviewed and discussed the quarterly money manager's report, actuarial report, annual actuarial assumptions, new training requirements imposed by the State Legislation and compliance with those requirements, RFP's for actuarial services, Risk Prevention strategy with money managers and took action to change the actuarial assumption for the annual actuarial calculation on investment returns from 7.5% to 7.0% and to fund the unfunded liability as of June 30, 2015 over a 10-year fixed period.

James Faron stated the Planning and Zoning Commission met almost twice a month for the year and reviewed thirty-two applications.

Adam Schulenburg stated the Finance Committee discussed and recommended appointment of Audit Committee, meetings with Auditors concerning FY 2014 audit, discussed quarterly financial reports, review of 5-year Capital Plan with recommendations for passage to City Council, elected two Finance Committee members to the Audit Committee, discussion of city audit RFP, discussion of city pension liability under GASB 67 and 68, discussed FY16 budget and recommendations to City Council concerning adoption of budget and adopted planned meeting schedule for FY 16.

Dan Tierney stated the Arts Committee has reviewed and discussed the new bus shelter, three art pieces that were donated to the city and where they will be installed, city banners for light poles along Olive, partnered with HEB for the Tappmeyer Show and began discussing and scheduling the Art Fair for next year.

Claire Chosid stated the HEB has reviewed and discussed the dam project, recommended the species of street trees for the program, writes a newsletter blurb each month, working with city staff on the emerald ash bore issue, trying to get Creve Coeur to certify as a National Wildlife Federation City and is recommending the city hire a horticulturalist.

Martin Jaffe stated the Storm Water Committee had a request from Council to come up with regulations regarding storm water runoff ordinance that is being proposed and the Committee will be touring and working on the Middlebrook project.

Earl Schenberg of the Board of Adjustment stated the Board ebs and flows with no complaints or challenged in fifteen years.

David Schlafly of the EDC stated the median between business community and city staff. Creve Coeur is fortunate to have a very diverse city of businesses that help make this city great.

Mayor Glantz thanked everyone for their service.



**AGENDA
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
JUNE 22, 2015
6:00 PM**

Council Member Hoffman stated it is great that we have such expertise in the community that are willing to volunteer their services to the city.

Council Member D'Alfonso stated it is great how our Boards and Committees work across that board with each other.

Council Member Kent stated even with some changes the Parks and Recreational Committee has come along very well and programs continue to grow and thrive.

Adam Shulenburger suggested creating a youth in government program for Creve Coeur.

Mark Perkins stated from time to time the city forms a task force to handle special issues and we currently have a Government Facilities Task Force to discuss the best course of action on what to do with the Government Facilities.

Adjourned at 6:58 p.m.



**WORK SESSION MEETING
MINUTES
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
JULY 13, 2015
6:00 PM**

Present: Mayor Barry Glantz, Council Members, David Kreuter, AJ Wang, Ellen Lawrence, Robert Hoffman, Scott Saunders and Robert Kent.

Also present: Government Center Task Force members Ken Balk, James Faron, Al Schopp, Fran Cantor, Adam Schulenberger, staff liaison George Siegfried, Bond Architect representatives Art Bond and Sue Pruchnicki

Creve Coeur Staff present: City Administrator Mark Perkins, Assistant to the City Administrator Sharon Stott, Finance Director Dan Smith, Police Lt. Francis, Public Works Director Jim Heines, City Engineer Matt Wohlberg, City Attorney Carl Lumley, Parks and Rec Director Jason Valvero and City Clerk Deborah Ryan.

1. Approval of Work Session Minutes Dated May 26 and June 22, 2015

Moved to August 10, 2015 work session.

2. Police and Government Center Needs Analysis

Art Bond of Bond Architects made a presentation and presented options as narrowed down by the Government Center Task Force, what they include and some cost breakouts. (Exhibit A)

Council Member Lawrence asked about the HVAC system being proposed for the new buildings and if they would be energy efficient/geothermal.

Mr. Bond stated that would increase the costs by about \$700,000 for geothermal systems.

Council Member Kent read and presented a statement for the record on why he feels it would be the best decision to sell a portion of the golf course to a development and move the government center on the remaining portion of the golf course. (Exhibit B)

Fran Cantor asked if the Council/Task Force could agree, conceptually that a new building will be built.

Council Member Hoffman stated he is not in favor of selling the course.

Dan Smith presented and explained the different types of funding available to pay for new buildings.

Council Member Hoffman stated we are looking at a \$19 million dollars for a building (s) but also need to know how much more utilities and infrastructure would be.

Council member Kreuter stated he likes option 4B-2 but would like to see a truer or higher value and decrease line items to get to a more realistic dollar amount we can present to the public.

Council Member Hoffman stated we need a survey of the citizens on what they are comfortable with.



**WORK SESSION MINUTES
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
JULY 13, 2015
6:00 PM**

Council, staff and task force further discussed all of the options and that there are many variables to consider and concluded that further meetings will be necessary to pare down options even further and add in all costs to consider more accurate dollar amounts.

Adjourned at 7:28 pm.



**WORK SESSION MEETING
AGENDA
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
AUGUST 10, 2015
6:00 PM**

Present: Mayor Barry Glantz, Council Members, David Kreuter, AJ Wang, Ellen Lawrence, Robert Hoffman, Scott Saunders, Cynthia Kramer, Charlotte D'Alfonso and Robert Kent.

Creve Coeur Staff present: City Administrator Mark Perkins, Assistant to the City Administrator Sharon Stott, Finance Director Dan Smith, Chief Eidman, Public Works Director Jim Heines, City Attorney Carl Lumley, Parks and Rec Director Jason Valvero, Assistant Director of Parks and Rec Tim Brinks and City Clerk Deborah Ryan.

1. Golf Course Discussion

Sharon Stott stated she reached out to several other municipalities that have golf courses similar to ours and asked a series of questions regarding staffing, rounds of golf, revenues, expenditures, etc. Staff took that information and compiled it into a spreadsheet. (Exhibit A)

Council Member Saunders stated a majority of non-resident golfers are bringing in revenue for other businesses in the city.

Council Member Kent asked if reciprocals are included in those numbers.

Tim Brinks stated that information is included in the report and is broken down by city.

Council Member Lawrence stated in the past there have been discussions regarding holding other events at the course (weddings, night Frisbee, etc) and asked do we know what revenues other courses gain from other events being held at their courses.

Council Member Saunders stated no.

Council Member Hoffman stated golf rounds are down nation-wide and as a whole in the industry.

Mayor Glantz stated the golf course is an amenity to the community and will it be in ten years. Once the course is gone, it is gone.

Council Member Kent stated not everyone uses the course.

Council Member Kramer stated there might be opportunity down the road for the golf course and the city has several amenities that it subsidizes that not everyone uses.

Council Member Kreuter stated a lot of residents/subdivisions use the course for events.

Council Member Kramer requested more time to research this issue.

Council Member Kent stated he would like to see this issue thoroughly vetted during the Comprehensive Plan process.

Mayor Glantz stated he doesn't disagree that this issue needs to be vetted but feels the Council sets the policy and not the Comprehensive Plan.

Adjourned at 6:28 pm.



**WORK SESSION MINUTES
AGENDA
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
SEPTEMBER 16, 2015
6:00 PM**

Present: Council Members, David Kreuter, AJ Wang, Robert Hoffman, Scott Saunders, Cynthia Kramer, Charlotte D'Alfonso and Robert Kent.

Also present: Mike Vogt

Staff present: City Administrator Mark Perkins, Assistant to the City Administrator Sharon Stott, Finance Director Dan Smith, Accountant Debbie Loso, Parks and Rec Director Jason Valvero, Community Development Director Jason Jaggi, Public Works Director Jim Heines, Assistant Parks Director Tim Brinks, Golf Superintendent Corey Gettemeier, City Attorney Carl Lumley and City Clerk Debbie Ryan

1. Golf Course Needs Assessment Presentation

Mike Vogt of International Sports Turf Research Center, Inc reviewed the Needs Assessment (Exhibit A).

Council Member Hoffman asked if this plan will increase maintenance for the Golf Course.

Mike Vogt stated no, if the plan is completed correctly.

Council Member Kent asked will all of the issues be addressed. Storm Water issues will cost \$3 million in Capital Funding and the adjacent business property owners have rejected the CID requests by the city.

Mark Perkins stated on the south end of the property there is a drainage project planned at an approximate cost of \$500,000.

Council Member Kent stated that the proposed project will take three to five years and cost a projected \$5 million.

Council Member Hoffman stated the Storm Water issue is not a golf course issue not matter what is built on the property.

Council Member Kramer stated discussions regarding the presented needs assessment should be neutral in topic.

Council Member Kent stated the city received a \$6 million offer for half of the golf course.

Council Member D'Alfonso asked as far as safety, how long can some of these projects be postponed.

Mike Vogt stated the bridges and retaining wall should be pursued first to address safety issues.

Council Member Hoffman asked how old the irrigation system is at the course.

Corey Gettemeier stated forty years old.



**AGENDA
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
AUGUST 10, 2015
6:00 PM**

Council Member Hoffman stated we should replace that and save money on repairs and water consumption.

Mark Perkins stated Ellen Lawrence submitted comments for the record as she was unable to attend the meeting tonight. (Exhibit B)

Adjourned at 6:58 pm



**WORK SESSION MINUTES
AGENDA
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
OCTOBER 12, 2015
6:00 PM**

Present: Mayor Barry Glantz, Council Members, David Kreuter, AJ Wang, Ellen Lawrence, Robert Hoffman, Scott Saunders, Cynthia Kramer, Charlotte D'Alfonso and Robert Kent.

Also present: Appointed City officials from various City boards, committees and commissions.

Staff present: City Administrator Mark Perkins, Assistant to the City Administrator Sharon Stott, Finance Director Dan Smith, Chief Eidman and City Clerk Debbie Ryan

1. Biennial Elected and Appointed Ethics Training

The meeting was called to order at 6:10 p.m.

City Attorney, Carl Lumley presented an ethics training (see attached PowerPoint)

Adjourned at 6:50 p.m.



**WORK SESSION MINUTES
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
NOVEMBER 9, 2015
6:00 PM**

Present: Mayor Glantz, Council Members Kreuter, Lawrence, Hoffman, Saunders, Kent, Kramer (* 6:22 pm) and Wang (*6:56 pm)

Also present: Jon McIntosh, Kelly Sullivan, Steve Unser, David Caldwell, Steve Siepman of Buck Consultants.

Staff present: City Administrator Mark Perkins, Finance Director Dan Smith, Assistant to the City Administrator Sharon Stott and City Clerk Deborah Ryan. Also City Attorney Carl Lumley.

1. Actuarial Valuation Report, Actuarial Assumptions and Retirement Benefit Review

Steve Siepmann of Buck Consultants reviewed the Actuarial Valuation Report (Exhibit A).

Council Member Lawrence asked the difference between the 10 year fixed and the 15 year rolling.

Dan Smith stated that the ten year fixed approach would result in elimination of the actuarial underfunding, whereas the rolling approach would always recalculate and not likely result in full elimination.

Kelly Sullivan stated the last COLA (Cost of Living Adjustment) was in 2001.

Council Member Kent asked if there are any enhancements planned for the fund.

Kelly Sullivan stated no.

Steve Siepmann stated over the next 10 years we are predicting the funding will improve from the current 76% to 100% funded.

Council Member Hoffman asked what happens if we are unable to get 7% average rate of return as projected.

Dan Smith stated then the liability for the city grows.

Mark Perkins reviewed the two different retirement plans the city currently has. The Defined Benefit Plan was in place for all employees prior to 2006 with no enhancements planned until the plan is 80% funded. The Defined Contribution plan was put in place for any employee hired after 2006. Staff is currently looking into LAGERS as a potential alternative to replace our current retirement plans.



**AGENDA
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
NOVEMBER 9, 2015
6:00 PM**

Dan Smith stated as part of the GASB changes, the city is required to include the retirement fund liability on financial statements, but the unfunded liability should not change the city's bond rating as it has been reported by other means previously.

Adjourned at 6:59 pm.



**WORK SESSION MEETING
MINUTES
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
DECEMBER 14, 2015
6:00 PM**

Present: Mayor Barry Glantz, Council Members, David Kreuter, Ellen Lawrence, Robert Hoffman and Scott Saunders.

Also present: Judy Sherman of E & E, Ben Lefton of E & E Committee

Staff present: City Administrator Mark Perkins, Assistant to the City Administrator Sharon Stott, Finance Director Dan Smith, Chief Eidman, Community Development Director Jason Jaggi, City Engineer Matt Wohlberg, Intern Luis Garcia and City Clerk Debbie Ryan. Also City Attorney Carl Lumley.

1. Greenhouse Gas Inventory and Phase II Climate Action Plan

Luis Garcia reviewed the new Greenhouse Gas Emissions Inventory and the Phase 2 of the Climate Action Plan (Exhibit A).

Council Member Lawrence stated the report discusses Compressed Natural Gas but no mention of electric cars.

Luis Garcia stated electrical production in the Midwest is coal produced. Compressed Natural Gas produces less greenhouse gases and CO₂.

Mayor Glantz asked what the next step is for City Council.

Ben Lefton stated the next step for the committee is obtaining a grant and working with MoDOT for a CNG fueling station for the city fleet.

Mayor Glantz asked about a cooperative agreement with the Parkway School District and sharing their fueling station.

Mark Perkins stated staff has had several discussions with them and it is not feasible. The station is too far away and the city vehicles would have to compete with the school buses which take 45 minutes to fuel.

Adjourned at 6:32 pm



**WORK SESSION MEETING
MINUTES
CITY OF CREVE COEUR
CITY COUNCIL
300 NORTH NEW BALLAS RD
JANUARY 11, 201
6:00 PM**

Present: Mayor Barry Glantz, Council Members David Kreuter, Ellen Lawrence, Robert Hoffman, Scott Saunders, AJ Wang and Cynthia Kramer

Staff Present: City Administrator Mark Perkins, PIO Bess McCoy, Community Development Director Jason Jaggi, Parks and Recreation Director Jason Valvero, City Attorney Carl Lumley, Chief Eidman, Finance Director Dan Smith and Public Works Director Jim Heines

1. Website Redesign Council Focus Group

Mark Perkins stated this work session is to spend some time getting feedback from Council regarding the possible redesign of the city's website.

Bess McCoy stated she held some focus groups with staff to gather information on what could be changed on our current site. Council discussed likes and dislikes of the current website as well as some sample websites. Bess McCoy distributed the website redesign feedback report and discussed next steps and how to move forward with a redesign. (Exhibit A)

2. Records Search - City Website

City Clerk reviewed the new expanded search function on the website. Since moving to MinuteTraq for paperless packets, it has allowed the city to put all ordinances, resolutions, Council, Board of Adjustment and Planning and Zoning minutes on the website for anyone to research. It will recall and allow a user to print any of these items. Currently all items on the site cover through 2012 and hoping to get the through 2015 on the website within a month.

Adjourned at 6:32 pm



City Council
300 North New Ballas Rd
Creve-Coeur, MO 63141

SCHEDULED

Meeting: 01/25/16 06:00 PM
Department: Personnel Appeals Board
Category: Report
Prepared By: Sharon Stott
Department Head: Sharon Stott

STAFF REPORT

Missouri Department of Conservation Emerald Ash Borer Presentation

Representatives from the Missouri Department of Conservation will present about the Emerald Ash Borer, its impact on local ash trees and treatment solutions.



City Council
300 North New Ballas Rd
Creve-Coeur, MO 63141

Meeting: 01/25/16 06:00 PM
Department: Public Works Department
Category: Report
Prepared By: Jim Heines
Department Head: Jim Heines

SCHEDULED

STAFF REPORT

Creve Coeur Emerald Ash Borer Maintenance Program

Staff seeks Council guidance related to Staff's recommendations regarding the Ash tree removals in public spaces due the Emerald Ash Borer infestation.



DEPARTMENT OF PUBLIC WORKS STAFF MEMORANDUM

DATE: January 19, 2016

TO: Mark Perkins, City Administrator

FROM: Jim Heines, Director of Public Works

SUBJECT: Emerald Ash Borer Maintenance Program

Emerald Ash Borer

The Emerald Ash Borer (EAB) is a small green beetle (approximately ½" in length) that is native to Southeast Asia. It survives as larvae in Ash trees as the host plant consuming the cambium layer of the tree until it is an adult and then emerges through the bark of the tree and flies off to another Ash tree to lay eggs and start the process over. The damage caused by this tiny insect is surprisingly lethal to all ash trees. Once a tree shows signs that it is infested, it will perish within 2 years. It is unfortunate, however, we should realize that all Ash trees will be affected by the EAB and we should plan to remove all Ash trees or treat them for the rest of their natural life.

The infestation of the EAB started in the Detroit area in 2002 and quickly migrated to surrounding states. The infestation continued to devastate the Ash tree population as it moved south. The EAB was first identified in Southeast Missouri in 2008 and most recently just north of the Creve Coeur city limits in November 2015.

City staff has been working with the Missouri Conservation Department, International Society of Arborists, as well as researching EAB Maintenance Programs from cities in northern states who have already experienced the devastation this small beetle has caused to urban forests. The most successful programs have included organized removal of most or all ash trees, treatment on large Ash trees which may be worth saving, stump grinding, and replanting a diversified list of street and park trees. Below is a list of each of these steps and their details:

1. Ash Tree Removal Program

The City's street and park tree inventory, recently updated by Davey Tree through a TRIM Grant, identifies approximately 829 Ash trees in the City's right-of-way, and 202 in City parks, for a total of 1031 publicly maintained Ash trees. The inventory also identifies the condition of each tree ranging from dead, critical, poor, fair, and good.

City staff plans to complete most removals and stump grinding citywide. We believe our staff can manage removing and stump grinding approximately 150 trees per year without causing a major impact on other programs and services provided by the Public Works Department. At this rate, the EAB program would last 7 years to totally remove all of the Ash trees located on City properties.

Staff plans to begin the removal process starting with dead and critical trees and in future years removing poor, fair and good trees in that order. The 7 year plan is identified on the following table:

<u>Program Year</u>	<u>Tree Condition</u>
Year 1	Dead & Critical
Year 2	Poor
Year 3	Fair
Year 4	Fair
Year 5	Fair
Year 6	Good
Year 7	Good

Although the condition of these trees is scattered evenly through the city, the areas where Ash trees were planted by developers as street trees is concentrated to specific subdivisions. (See Attached Map)

2. Treatments

Chemical treatments are available to protect trees that have not yet been infested by the EAB beetle. Two types of treatment are available, an injectable solution and a root wash.

Injectable- The injectable is administered directly into the tree by drilling holes through the bark layer into the tree. The tree will need to be treated every 3 years at an average cost of \$150 per treatment for the rest of its life.

Root Wash- This chemical is mixed into a bucket and poured around the tree over the roots to protect the tree. This is an annual treatment for an average cost of \$40 per application for the rest of the tree's life.

Most cities do not treat many trees and only a few that are larger in diameter if any at all. Although the cost of removal and replacement has a higher upfront cost, the long term treatment cost is more than that of removal and replacement. In an effort to reduce the annual cost of removals and stump grinding, city staff plans to complete most of this work in house over a seven year period.

3. Tree Replacements Options & Estimated Costs

There are several options to consider regarding replacement of the removed trees. City staff is looking for guidance from Council on the preferred option.

Option 1

Residents can participate in the Street Tree Planting Program. This is a 50/50 cost share program between the city and the resident for trees planted by our contractor in the public right-of-way (ROW). The current cost for a 2.5-3 inch caliper tree is \$260 or \$130/\$130 cost share. If all of the street trees are replaced through this program the cost to the city would be almost \$108,000.

Option 2

One-inch caliper trees in a 15 gallon pot cost approximately \$90 to purchase. City staff would be required to pick up the trees and plant them in the Public ROW. The cost to purchase the trees is approximately \$75,000 and it would add to city staff's responsibilities to pick up and plant the trees. This being the case it could extend the program out for several more years due to the added responsibilities.

Option 3

No replacement program, and leave it to the resident to replant the trees at their own cost.

Option 4

Residents may choose to take on the responsibility of having a Certified Arborist treat the Ash street trees in front of their house to save or prolong the life of the tree. They could provide documentation to the city that their street trees have been treated against the EAB infestation and it will then be the responsibility of the property owner to remove the tree(s) when and if they die.

4. **Project Financing**

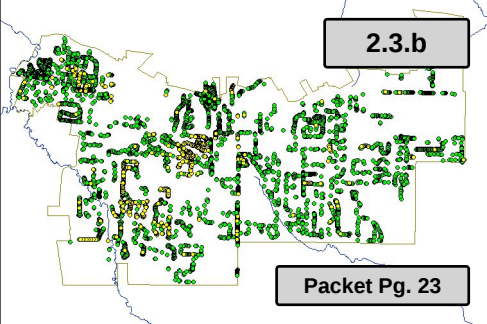
City staff plans to complete most of the removals and stump grinding throughout the program. A new commercial stump grinder has been placed in the FY 2016 operating budget to use for this program. In addition, \$30,000 has also been budgeted for treatment, contracted removals, and some tree replacements. We plan to continue budgeting \$30,000-\$40,000 each year for supplies and contracted removals/replacements throughout the seven year program.

Project Recommendation

Although it does not seem to make sense to cut down healthy trees, we have learned from our neighbors to the north who have already had experience with the EAB invasion that it is important to get ahead of the devastation that this small beetle will create. Staff recommends starting the removals this winter and then continuing to follow the 7-year plan as identified earlier in this report.

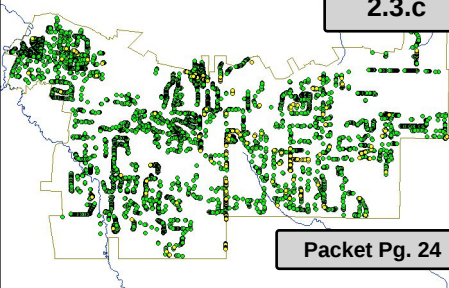
Once the final details are determined, Public Works staff will notify the public about the EAB Program details through the newsletter, web page, and mailings prior to removing trees.

2.3.b



Packet Pg. 23

2.3.c



Packet Pg. 24