



BOYNE CITY
CITY COMMISSION REGULAR MEETING
Boyne City Hall
319 North Lake Street
Tuesday, January 27, 2015 at 7:00 p.m.

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE
2. ROLL CALL
3. CONSENT AGENDA
The purpose of the consent agenda is to expedite business by grouping non-controversial items together to be dealt with by one Commission motion without discussion. Any member of the Commission, staff, or the public may ask that any item(s) on the consent agenda be removed and placed as the last item under new business to receive full discussion. Such requests will be automatically respected.
 - A. Approval of the January 13, 2015 City Commission Facility Work Session meeting minutes as presented
 - B. Approval of the January 13, 2015 Regular City Commission meeting minutes as presented
4. HEARING CITIZENS COMMENTS (on non-agenda items; 5 minute limit)
5. CORRESPONDENCE
 - A. Correspondence from Plunkett & Cooney regarding Michigan Open Meetings Act
 - B. Correspondence from State of Michigan Dept of Licensing & Regulatory Affairs regarding transfer of ownership of 2014 Resort Class C & SDM License for Friggy's Sobo Pub LLC
 - C. Correspondence from Leslie M. Neilson regarding use of fluoride in the City of Boyne City's water system
6. CITY MANAGER'S REPORT
7. REPORTS OF OFFICERS, BOARDS AND STANDING COMMITTEES
 - A. December, 2014 Financial Statement
8. UNFINISHED BUSINESS
9. NEW BUSINESS
 - A. City Facilities Financing
Consideration that City Commission provides any intermediate direction to the staff on this matter while rescheduling it's February 10th meeting to a noon starting time so it could take any action on this matter that is desired prior to the County Clerk's 4:00 p.m. deadline for submitting ballot measures for the May 5th election.

B. Court Street Engineering Services Amendment

Consideration to approve the contract amendment with C2AE for Engineering Services in the amount of \$12,500 and authorize the City Manager to sign the required documents.

C. National Trust for Historic Preservation Grant

Consideration to approve the request to submit a grant application to the National Trust for Historic Preservation in the amount of \$3,000 on behalf of the City and authorize the City Manager to sign the necessary documents.

10. GOOD OF THE ORDER

11. ANNOUNCEMENTS

- County-Wide Governmental Leaders meeting at 6:00 p.m. Boyne City Senior Center
- The next regular City Commission meeting is scheduled for Tuesday, February 10, 2015 at 7:00 p.m.

12. ADJOURNMENT

Individuals with disabilities requiring auxiliary aids or services in order to participate in municipal meetings may contact Boyne City Hall for assistance: Cindy Grice, City Clerk/Treasurer, 319 North Lake Street, Boyne City, MI 49712; phone (231) 582-0334



Scan QR code or go to
www.cityofboyne.com
click on Boards & Commissions for complete
agenda packets & minutes for each board

**JANUARY 13, 2015
CITY FACILITIES WORK
SESSION**

RECORD OF THE PROCEEDINGS OF THE BOYNE CITY
COMMISSION CITY FACILITIES WORK SESSION MEETING DULY
CALLED AND HELD AT BOYNE CITY HALL, 319 NORTH LAKE
STREET, ON TUESDAY JANUARY 13, 2015

CALL TO ORDER

Mayor Grunch called the meeting to order at 5:00 pm followed by the Pledge of Allegiance.

Present: Mayor Grunch, Commissioners, Mayor Pro-Tem Towne, Commissioner Gaylord, Laura Sansom and Tom Neidhamer

Absent: None

Staff: Michael Cain, Cindy Grice, Barb Brooks, Andy Kovolski, Scott McPherson, John Lamont, Jeff Gaither, Kevin Spate, Dennis Amesbury

Others: There were 6 citizens in attendance a representative from the Petoskey News Review and Charlevoix County News, and Ray Kendra from Environment Architects

CITIZENS COMMENTS

None

**DISCUSSION OF CITY
FACILITIES PROJECT
WITH CITY
COMMISSIONERS,
ENVIRONMENT
ARCHITECTS
REPRESENTATIVES
AND STAFF**

Ray Kendra provided, reviewed and discussed the modifications made to the plans for the North Boyne Garage project. There were modifications made to the site as well per suggestions from recent meetings.

There was discussion of the flat roof and Mr. Kendra stated that per experience, the proposed flat roof would work well in Northern Michigan winter weather conditions. Financing the North Boyne garage phase of the project would be paid for in cash.

City Manager Cain discussed the .9 mills that the City could generate without going to a vote of the citizens. Per our financial consultant, this would generate approximately \$2,400,000 in funds to repay over 20 years.

ADJOURNMENT

Moved by Mayor Grunch seconded by Mayor Pro-Tem Towne to adjourn the City Commission Facilities Work Session of Tuesday, January 13, 2015 at 6:54 p.m.

Ron Grunch
Mayor

Cindy Grice
Clerk

**JANUARY 13, 2015
REGULAR MEETING**

RECORD OF THE PROCEEDINGS OF THE REGULAR BOYNE CITY COMMISSION MEETING DULY CALLED AND HELD AT BOYNE CITY HALL, 319 NORTH LAKE STREET, ON TUESDAY JANUARY 13, 2015

CALL TO ORDER

Mayor Grunch called the meeting to order at 7:00 pm followed by the Pledge of Allegiance.

Present: Mayor Grunch, Commissioners, Mayor Pro-Tem Towne, Commissioner Gaylord, Laura Sansom and Tom Neidhamer

Absent: None

Staff: Cindy Grice, Michael Cain, Barb Brooks, Andy Kovolski, Scott McPherson, Jeff Gaither, Kevin Spate, Syrina Dawson, Dennis Amesbury, Dan Mercer and Craig Remsberg

Others: There were 11 citizens in attendance including representatives from the Petoskey News Review and Charlevoix County News.

**CONSENT AGENDA
MOTION**

2015-01-001
Moved by Neidhamer
Second by Gaylord

2015-01-001A
Approval of the December 2, 2014 Boards & Commission meeting minutes as presented

2015-01-001B
Approval of the December 9, 2014 City Regular City Commission meeting minutes as presented

2015-01-001C
Approval of recommendation from the Parks & Recreation Board to reappoint Michael Sheean to the board for a four-year term expiring December, 2018

2015-01-001D
Approval of recommendation from the Parks & Recreation Board to reappoint Jo Bowman to the board for a four-year term expiring December, 2018

2015-01-001E
Approval of recommendation from the Parks & Recreation Board to reappoint Jerry Swift to the board for a four-year term expiring December, 2018

2015-01-001F
Approval of recommendation from the Parks & Recreation Board to reappoint Heath Meeder to the board for a four-year term expiring December, 2018

2015-01-001G
Approval of recommendation from the Parks & Recreation Board to appoint Patrick Patoka to the Parks & Recreation Board to fill a term vacancy left by Bill Kuhn with a term expiring December, 2016

2015-01-001H
Approval of recommendation of the Main Street Board to reappoint Pat O'Brien for a four year term expiring January 18, 2019

2015-01-001I
Approval of recommendation of the Main Street Board to reappoint Robin Berry Williams for a four year term expiring January 18, 2019

Ayes: 5
 Nays: 0
 Absent: 0
 Motion carried

None

CITIZENS COMMENTS

A thank you letter from Challenge Mountain for the Boyne Thunder event donation was received and filed.

CORRESPONDENCE

City Manager Cain reported:

CITY MANAGERS REPORT

- Wished everyone a Happy New Year.
- We recently closed on the Boyne Area Gymnastics property. It will allow us to upgrade the airport. Thanks to the Airport Board and Karen Seeley for their hard work on this project.
- We have been notified that we are one of 7 communities to get the PlacePlans service grant

INTRODUCTION OF KEVIN SPATE AS ASSISTANT POLICE CHIEF

City Manager Cain and Police Chief Gaither introduced Kevin Spate as the new Assistant Police Chief for the City of Boyne City.

REPORTS OF OFFICERS, BOARDS AND STANDING COMMITTEES

Draft Minutes of the December 4, 2014 Main Street Board Meeting; the December 4, 2014 Parks and Recreation Board Meeting; the December 15, 2014 Planning Commission Meeting; the December 15, 2014 Historical Commission Meeting; and the November, 2014 Financial Statement were received and filed.

City Manager Cain discussed the revisions of the draft agreement. Good progress is being made on this agreement. Dan Barron, attorney for Sommerset Point said this agreement is win-win-win. It is the preference and best overall solution for Sommerset Point.

Review revised Draft Sommerset Pointe Utility Extension Agreement

Citizens Comments: None

Staff Comments: None

Board Discussion: Commissioner Neidhamer asked if there is still a quick timeline and was informed yes. They would like a timeline that could establish construction in the Spring. Mayor Pro-Tem Towne still believes this project is good for all. Commissioner Gaylord inquired about the public notice for the discharge permit and was informed it was developed as a backup alternative. Commissioner Sansom said she is pleased this is moving forward.

Consideration of a First Reading for a Central Business District Drive Thru Ordinance Amendment and schedule a Second Reading for February 24, 2015

1st Reading Drive-Thru Ordinance

Planning Director Scott McPherson discussed the proposal from Glen Catt for the redevelopment of the parcels located at 202 and 210 Lake Street which are the current locations of the Lake Street Mall and parking lot, and the Boyne Arts Collective. After review and discussion of the proposal that included a drive thru lane for a bank, which is a prohibited use in the Central Business District, the Planning Commission directed staff to put the issue of drive thru lanes in the CBD on an upcoming

agenda. The Planning Commission explored different options and determined the most appropriate course of action would be to amend the zoning ordinance to allow a drive thru for a bank or financial institution as a conditional use in the CBD with specific criteria. This criteria would require the drive thru terminal, ingress and egress, and queuing lanes be enclosed within a multi story structure and the floors above the first floor must be finished space that can be occupied for residential or commercial uses.

Staff Comments: None

Citizens Comments: Jim Baumann said he urges this be approved. It's a great project. This is a creative solution to resolving the drive thru problem.

Board Discussion: Commissioner Neidhamer said he is very supportive of this development and doing what they can to enhance that area. It's a clean and efficient way to accommodate drive thrus. Mayor Pro Tem Towne said he is in support of the whole project. He had hoped to see the overall project plan tonight. Commissioner Sansom said it is interesting, good and solid solution. Mayor Grunch said he is also in full support.

MOTION

2015-01-002

Moved by Towne

Second by Sansom

To approve of a First Reading for a Central Business District Drive Thru Ordinance Amendment and schedule a Second Reading for February 24, 2015

Ayes: 5

Nays: 0

Absent: 0

Motion carried

Reject Patrol Car Bids

Consideration to reject the recent bids for the sale of the 2010 Ford Crown Vic Patrol Vehicle

Police Chief Jeff Gaither discussed the bids received for the 2010 Crown Vic patrol car that was removed from service last fall. We attempted to market the vehicle to police agencies, along with all the northern area chiefs, with the equipment included and no serious interested developed. The car was listed on Craigslist without the police equipment, using the sealed bid process. 3 bids were received, low bid at \$1,300 and high bid at \$2,507. These bids are not representative of the true value of this vehicle. At this time, we are requesting to reject the bids received and try to sell it in the Spring.

Staff Comments: None

Citizens Comments: None

Board Discussion: All are in agreement with the recommendation.

MOTION

2015-01-003
 Moved by Gaylord
 Second by Towne

To reject the recent bids for the sale of the 2010 Ford Crown Vic Patrol Vehicle

Ayes: 5
 Nays: 0
 Absent: 0
 Motion carried

Change January 27, 2015 meeting time

All Commissioners agreed to discuss the financing of the new City facilities at the next meeting. We need to get public input from citizens.

MOTION

2015-01-004
 Moved by Neidhamer
 Second by Towne

To move the January 27, 2015 meeting time from noon to 7:00 p.m. to discuss facilities financing topic

Ayes: 5
 Nays: 0
 Absent: 0
 Motion carried

Good of the Order

Commissioner Sansom inquired about the status of the Division Street water issue and if anything has been signed. Commissioner Gaylord inquired about the potential of video streaming the City Commission meetings.

ADJOURNMENT

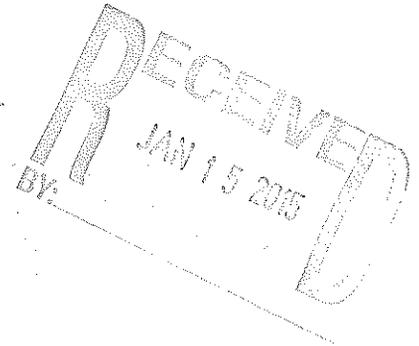
Moved by Mayor Grunch seconded by Commissioner Gaylord to adjourn the regular City Commission meeting of Tuesday, January 13, 2015 at 8:10 p.m.

 Ron Grunch
 Mayor

 Cindy Grice
 Clerk / Treasurer

100
PLUNKETT COONEY
Est. 1913

A CENTURY OF DISTINCTIVE SERVICE



January 13, 2015

**Attorney Client Privileged –
Not Subject to FOIA**

Michael Cain, City Manager
City of Boyne City
319 N. Lake St.
Boyne City, MI 49712

Re: *Michigan Open Meetings Act*

Dear Mr. Cain:

You inquired whether a Commissioner may attend a meeting of the City Commission remotely and vote on matters that come before the meeting. Based on the authority found in Attorney General Opinion No. 6835 (copy attached), it appears permissible based on the rationale contained within the Opinion. In other words, the use of interactive television, which may possibly include Skype, would be acceptable. On the other hand, means such as e-mail voting would not permit interaction with citizens, nor would a proxy, and therefore as it does not meet the deliberative aspects of the decision-making process being open to the public, it would be impermissible.

There is a House Bill which is currently working its way through the Senate which attempts to address this issue, but until it is signed into law, the best legal authority is the Attorney General's Opinion attached, which under certain circumstances would permit a Commissioner to attend by means of interactive television.

As always, if you have questions, please do not hesitate to contact me.

Very truly yours,

PLUNKETT COONEY

A handwritten signature in black ink, appearing to read "James Murray".

JAMES J. MURRAY
Direct Dial: 231-348-6413

JJM/tll

Enclosure

Open.06056.60760.14978152-1

ATTORNEYS & COUNSELORS AT LAW

303 Howard Street • Petoskey, MI 49770 • T: (231) 347-1200 • F: (231) 347-2949 • plunkettcooney.com

The following opinion is presented on-line for informational use only and does not replace the official version. (Mich Dept of Attorney General Web Site - www.ag.state.mi.us)

STATE OF MICHIGAN

FRANK J. KELLEY, ATTORNEY GENERAL

Opinion No. 6835

February 13, 1995

OPEN MEETINGS ACT:

Conducting intermediate school board annual budget meeting by means of interactive television

SCHOOLS AND SCHOOL DISTRICTS:

Conducting intermediate school board annual budget meeting by means of interactive television

An intermediate school district may permit some representatives of constituent district boards to attend its annual budget meeting by means of interactive television.

Honorable Allen Lowe

State Representative

The Capitol

Lansing, Michigan

You have asked if an intermediate school board may permit some representatives of constituent district boards to attend its annual budget meeting by means of interactive television.

1976 PA 451, section 624(2), MCL 380.624(2); MSA 15.4624(2), requires that not later than March 1 of each year, every intermediate school board shall submit an annual general fund operating budget to a meeting of one board of education member from each of the constituent districts who represents that district. At the meeting, the intermediate school board president shall preside and the intermediate secretary shall keep the minutes. The representative members determine the maximum amount of the intermediate school district general fund operating budget but have no power to make final determinations on specific line items within the budget. Each of the constituent district representatives that is present has a vote and a majority of the members present and voting is needed to establish the maximum amount of the budget.

The proposal involved in your inquiry is to permit representatives of constituent districts to appear at the annual general fund budget meeting through interactive television. The constituent district representatives appearing through interactive television would be connected to the remaining representatives at a central site where the meeting is held.

Resolution of your question requires a determination whether this meeting is subject to the Open Meetings Act (OMA), 1976 PA 267, MCL 15.261 et seq; MSA 4.1800(11) et seq, and if it is, whether the OMA permits use of interactive television. Section 2 (a) of the OMA defines a "public body," in pertinent part, as:

[A]ny state or local legislative or governing body, including a board, commission, committee, subcommittee, authority, or council, which is empowered by state ... statute ... to exercise governmental or proprietary authority or perform a governmental or proprietary function....

Opinions of this office have consistently concluded that governmental boards, commissions, committees, subcommittees,

authorities, or councils vested with final decision-making authority on a particular matter are public bodies under the OMA. See, OAG, 1989-1990, No 6652, p 359, 360 (July 25, 1990), and opinions cited therein. See, also, *Menominee County Taxpayers Alliance, Inc v Menominee County Clerk*, 139 MichApp 814, 818-819; 362 NW2d 871 (1984), 1v den 422 Mich 977 (1985).

The group of constituent district representatives is a local governmental body specifically created by state statute. Section 624(2) states that "[t]he maximum amount of the budget shall not exceed that approved by the majority of the school board representatives of constituent districts." Such a determination is final and unquestionably constitutes an "exercise [of] governmental ... authority" under section 2(a) of the OMA. The group of constituent district representatives is, therefore, a public body as that term is defined in the OMA.

Section 2(b) of the OMA defines "meeting" as:

[T]he convening of a public body at which a quorum is present for the purpose of deliberating toward or rendering a decision on a public policy.

The purpose of the annual meeting required by section 624(2) of 1976 PA 451 is to establish the maximum amount of an intermediate school district general fund operating budget. Although the body may not make determinations on specific line items, it clearly has the statutory authority to limit the aggregate general fund expenditures of the intermediate school district. The establishment of the maximum amount of the intermediate school district general fund operating budget is a decision on a public policy. Thus, the annual budget meeting of the constituent district representatives under section 624(2) is a meeting as that term is defined in the OMA and must be conducted in accordance with that statute.

Research has failed to disclose any judicial decisions addressing the use of interactive television for public meetings under the OMA or similar statutes of other states. However, in *Goode v Dep't of Social Services*, 143 MichApp 756, 759-760; 373 NW2d 210 (1985), 1v den 424 Mich 882 (1986), the Court of Appeals held that contested case hearings of the Michigan Department of Social Services (DSS), which were required to be conducted in compliance with the OMA, could be held by teleconference calls without violating that act. ⁽¹⁾ The Court recognized that although it was desirable to observe all the participants, it was not mandatory under the OMA. *Id.* at 760.

The Court's holding in *Goode*, *supra*, provides authority for a public body to conduct a meeting under the OMA without all of the participants being physically present in the same room. The use of interactive television enhances the public's access to the meetings. The medium is certainly more desirable than the teleconferencing medium sanctioned in *Goode* because the representatives and any members of the public attending the meeting through interactive television will be seen as well as heard.

In order to comply with the OMA, the meeting must satisfy the openness and notice requirements in that act. See generally, 1976 PA 267, *supra*, sections 3 through 5. Moreover, the central site must be set up so that interaction among all the representatives of the constituent districts, whether they be on or off that site, and interested members of the public is possible.

It is my opinion, therefore, that an intermediate school district may permit some representatives of constituent district boards to attend its annual budget meeting by means of interactive television.

Frank J. Kelley

Attorney General

(1 Although the Supreme Court denied leave to appeal in *Goode*, the Court granted leave in a related case that raised challenges to the use of telephone conference hearings by DSS as being inconsistent with specific administrative rules promulgated by DSS) See, *Detroit Base Coalition for the Human Rights of the Handicapped v Dep't of Social Services*, 431 Mich 172, 189-190; 428 NW2d 335 (1988). Although the Court invalidated the telephone conference procedure because it was in conflict with existing DSS rules and because the procedure was not properly promulgated in compliance with the Administrative Procedures Act of 1969 (APA), MCL 24.201 et seq; MSA 3.560(101) et seq, procedures regarding rule-making, the Court did not disturb the holding in *Goode* that telephone conferencing was permissible under the OMA. See, *Goode*, *supra*, at 180-181. Because the annual intermediate school district general fund operating budget meeting is governed exclusively by statute and not the APA or other administrative rules, the *Detroit Base Coalition* case has no application to this meeting.

State of Michigan, Department of Attorney General
Last Updated 11/10/2008 15:49:34



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

MIKE ZIMMER
DIRECTOR

January 16, 2015

City Clerk
Boyne City
cgrice@boynecity.com

The purpose of this letter is to notify this local legislative body that the Michigan Liquor Control Commission has received an application for a license, as follows:

Request ID#: 774013

Transfer ownership of 2014 Resort Class C & SDM License

Name of applicant(s): Friggy's Sobo Pub LLC

Business address and phone: 5 W. Main, Unit #1, Boyne City, MI 49712

Home address and phone number of partner(s)/subordinates:

1. Jeffrey John Leppala: 457 Idlewild Road, Crystal Falls, MI 49920 B-(906) 282-9133 C-(906) 282-9133
2. Deborah Kay Leppala: 457 Idlewild Road, Crystal Falls, MI 49920 B-(906) 367-2081 C-(906) 367-2081

Under administrative rule R 436.1105, the Commission shall consider the opinions of the local residents, local legislative body, or local law enforcement agency with regard to the proposed business when determining whether an applicant may be issued a license or permit. Since this request is a transfer under MCL 436.1529(1), approval of the local unit of government is not required.

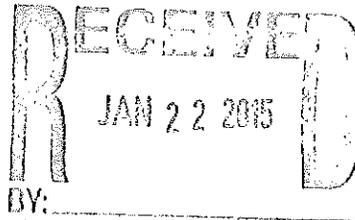
Under administrative rule R 436.1003, the licensee shall comply with all state and local building, plumbing, zoning, sanitation, and health laws, rules, and ordinances as determined by the state and local law enforcements officials who have jurisdiction over the licensee. The licensee must obtain all other required state and local licenses, permits, and approvals before using this license for the sale of alcoholic liquor.

Approval of this license by the Michigan Liquor Control Commission does not waive any of these requirements.

MICHIGAN LIQUOR CONTROL COMMISSION
Retail Licensing Division
(866) 813-0011

LARA is an equal opportunity employer/program.

Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
611 W. Ottawa • P.O. BOX 30004 • LANSING, MICHIGAN 48909 • www.michigan.gov/lara • (517) 373-1820



Dear Mr. Cain and Boyne City Commissioners,

January 21st, 2015

In light of the recent decision to add fluoride back to the municipal water system, I ask that you consider placing a warning on the bills sent to the citizens of Boyne City. This warning, with regard to the questionable safety of using fluoridated water with baby formula, would clarify the risks involved.

I have done extensive research with regard to this practice and find it to be a very dangerous practice. I feel the doctors at Boyne Area Medical Center (BAMC) should reconsider their endorsement of this practice as well.

I enclosed a copy of the information I have sent to the doctors at the BAMC. In this correspondence, I informed them I would be contacting the city with my request, too.

Thank you for your time and consideration.

Sincerely,

Leslie M. Neilson
119 Water Street
Boyne City, MI 49712
(231) 582-0542
leslie@baliinspiredliving.com

In light of the recent decision to add fluoride back to the municipal water system, I would like to ask the doctors at Boyne Area Medical Center (BAMC) please reconsider their endorsement of using fluoridated water to mix baby formula.

I was surprised to find this practice endorsed by all of the BAMC doctors in the information the Citizens United for Dental Health (CUDH) mailed out to all of the registered voters within the city limits. Although the information they presented was truthful, in as much as it did come from the Center for Disease Control (CDC), it directly contradicts the information from the American Dental Administration (ADA), who in 2006 made the following statement:

"More research is needed before definitive recommendations can be made, but, in the meantime, if parents and caregivers are concerned, the ADA's interim guidance provides steps to simply and effectively reduce fluoride intake during a baby's first year of life. Essentially, the ADA supports the pediatricians' recommendations on the benefits of breast feeding and notes that using ready-to-feed formula for bottle-fed babies will keep their fluoride intake under IOM limits. If using a product that needs to be reconstituted, parents and caregivers should consider using water that has no or low levels of fluoride."

Furthermore, the ADA has stated: "Practitioners should be aware that children are exposed to multiple sources of fluoride during the tooth development period. Reducing fluoride intake from reconstituted infant formula alone will not eliminate the risk of fluorosis development. The panel acknowledges and encourages clinicians to follow the American Academy of Pediatrics' (AAP) guidelines for infant nutrition, which advocate exclusive breastfeeding to age 6 months and continued through at least age 12 months unless specifically contraindicated. Human breast milk has been shown to have consistently low levels (0.005–0.01 ppm) of fluoride."

As stated above, breast milk contains very low concentrations of fluoride even if the mother consumes fluoridated water. Nature/evolution knows fluoride does not belong in a developing body, especially during the first six months of a child's life. Children who consume formula reconstituted with fluoridated water, at the optimal level, have concentrations 150-250 times higher than babies who are exclusively breast fed. Again, The ADA recommends exclusive breast feeding until 6 months of age and continued breast feeding until 12 months of age. So, according to the ADA and the AAP, they both agree with nature/evolution that babies should not be exposed to fluoride.

According to the CDC, "Infants consume little other than breast milk or formula during the first 4 to 6 months of life, and continue to have a high intake of liquids during the entire first year. Therefore, proportional to body weight, fluoride intake may be higher for younger or smaller children than for older children, adolescents, or adults." When asked how one can reduce the risk of fluorosis, the CDC's recommendation is the following, "You can breast feed your child. Breast milk is very low in fluoride. Nursing mothers or pregnant women who drink fluoridated water do not pass on significant amounts of fluoride to their child." They go on to explain, as stated in the first CUDH flyer, "Yes, you can use fluoridated water for preparing infant formula. However, if your child is exclusively consuming infant formula reconstituted with fluoridated water, there may be an increased chance for mild dental fluorosis. To lessen this chance, parents can use low-fluoride bottled water some of the time to mix infant formula; these bottled waters are labeled as de-ionized, purified, demineralized, or distilled."

Although, dental fluorosis is described as a purely cosmetic result of receiving too much fluoride while the tooth buds are developing, cosmetic dentistry has turned into a billion dollar industry. The emphasis

put on ones appearance is extremely high. Even mild dental fluorosis can result in self esteem problems. Not to mention, fluorine is the most electronegative element on the periodic table. Although I do not have a medical degree, I do have a Bachelor of Science degree in Microbiology & Public Health. I understand the chemistry of an extremely negative ion, such as fluorine, in the human body. As much as we want to believe fluoride knows just to go to our teeth, because it has a structure similar to iodine, it can competitively inhibit iodine absorption and binding in the body. All the halogens use the same receptors in the body, so fluoride's danger for people is centered in great part on this fact. Fluoride, in drinking water, binds with magnesium, creating a nearly insoluble mineral compound, which ends up deposited in the bones, where its brittleness increases the risk of fractures and/or brittle teeth. This is especially true in undernourished children, the exact children we are attempting to help.

The journal Lancet Neurology, in March 2014, printed the following information: "Neurodevelopmental disabilities, including autism, attention-deficit hyperactivity disorder, dyslexia, and other cognitive impairments, affect millions of children worldwide, and some diagnoses seem to be increasing in frequency. Industrial chemicals that injure the developing brain are among the known causes for this rise in prevalence. In 2006, we did a systematic review and identified five industrial chemicals as developmental neurotoxicants: lead, methylmercury, polychlorinated biphenyls, arsenic, and toluene. Since 2006, epidemiological studies have documented six additional developmental neurotoxicants—manganese, fluoride, chlorpyrifos, dichlorodiphenyltrichloroethane, tetrachloroethylene, and the polybrominated diphenyl ethers. We postulate that even more neurotoxicants remain undiscovered. To control the pandemic of developmental neurotoxicity, we propose a global prevention strategy. Untested chemicals should not be presumed to be safe to brain development, and chemicals in existing use and all new chemicals must therefore be tested for developmental neurotoxicity. To coordinate these efforts and to accelerate translation of science into prevention, we propose the urgent formation of a new international clearinghouse."

Fluoride is eliminated from the body primarily through the urine. Infants retain 80 - 90% of fluoride ingested, while adults retain approximately 60%. Excess fluoride in a child is not only retained much longer than in adults, but due to their small size they are effectively getting a much larger dose than breastfed babies. Again, I go back to the levels of fluoride in breast milk and the fact nature/evolution has determined for whatever reason this substance should not be in a developing bodies, especially infants.

When I shared my concerns with the CUDH spokesperson, Carl VanDomelon, about the CUDH's endorsement of using fluoridated water to reconstitute baby formula, he replied, "Most babies are fed breast milk for the first 6 months of their lives so it isn't really an issue." I know this was the case for my children, but what about mothers who can't effectively breastfeed? This happens more often than not. Mothers may be uninformed about the benefits of breastfeeding. They may medical issues that impede their milk production. Some may find it difficult initially and give up altogether. Not mention those mothers who have to return to work in order to provide for their families. As much progress as we are making in educating women about the benefits of breastfeeding, sadly, formula is still the choice or only alternative some women have.

In closing, I would ask the doctors to publically rescind their endorsement of using fluoridated water to reconstitute baby formula. I believe there is enough recent scientific evidence to raise serious doubt about the safety of this practice. I have enclosed the CITIZENS UNITED FOR DENTAL HEALTH – CITY OF BOYNE CITY - FLUORDATION INITIATIVE MARKETING PLAN, which was used by the CUDH to get the fluoride back into our water. I was particularly offended by the part I highlighted, "Mark's

recommendation on messaging is to "keep it local". Segment Two is not interested in the World Health Organization, American Medical Association or other faceless organizations but rather rely on trusted individuals within their community to offer direction on such subjects. He recommended enlisting local dentists and doctors to "carry the message", as these voters trust their medical providers.

I heard repeatedly from citizens I spoke to, "The doctors are endorsing fluoridation, so it must be safe." "The doctors wouldn't endorse anything that was potentially dangerous to our health." "Why would the doctors endorse something if it wasn't safe?" The citizens of Boyne City do trust our medical providers, and as a result of this trust, I believe they did not research the issue as they should have prior to the vote in November. Fluoride is in the water for the time being until the general public can be educated about the potential dangers of systemic fluoridation. During this time, myself and many other citizens in Boyne City, want to protect our most innocent, the children who cannot advocate for themselves.

In addition to contacting the you and the rest of the doctors at the BAMC I have also contacted the City Manager, Michael Cain, to request a warning be placed on water bills sent out to the citizens. I consider myself a well educated woman, and up until 2 months ago, I had no idea how municipal water fluoridation was achieved. I remember a customer coming into my store about ten years ago and saying, "You know where fluoride comes from, don't you?" I honestly didn't have any idea and said, "No." She said, "It is a toxic hazardous waste product, which comes directly from the air pollution scrubbers of the phosphate fertilizer industry." My reaction was, "Oh, O.K." and I thought to myself, "Crazy person, as if the government would allow a toxic substance to be added to our water systems."

Needless to say, when I recently discovered this "crazy" customer was telling me the truth I was absolutely shocked. More shocking is that others are not as upset and appalled at this practice as I am and many others in this community. The fact Boyne City chose to continue with using unrefined fluorosilicic acid as a source for fluoride in our water, 50% of which contains traces of arsenic, and traces of other compounds such as lead, mercury, and radionuclides, all of which are bioaccumulative, is also shocking when other safer options for our citizens are available.

I have known all of the BAMC doctors for many years and respect each and every one of you. You are well respected and trusted in our community. If you are interested in speaking with me directly regarding my concerns about this matter, I would be more than happy to. In the meantime, I ask you to please reconsider your endorsement with regard to using fluoridated water to mix formula. Thank you for your time and consideration.

Sincerely,



Leslie M. Neilson
119 Water Street
Boyne City, MI 49712
(231) 582-0542
leslie@baliinspiredliving.com

MEMORANDUM

TO: Tom Veryser
FROM: Carl VanDomelen
SUBJECT: CITIZENS UNITED FOR DENTAL HEALTH – CITY OF BOYNE CITY - FLUORINATION INITIATIVE MARKETING PLAN
DATE: AUGUST 24, 2014
CC:

This memorandum will summarize the Marketing Plan to support the Fluorination Initiative that will appear on the November 4, 2014 City of Boyne City ballot.

Background

The City Commission voted in May 2014 to eliminate the optimization of fluoride levels with the City of Boyne City municipal water system. This vote was reaffirmed in late June after a review by the City Attorney as to the legality of overturning of a referendum vote (City of Boyne City voters approved fluoride in November 1973). A group of concerned citizens formed **Citizens Untied for Dental Health¹** to initiate legislation to place the issue of fluorination on the November 2014 ballot. The petition drive was successful with 677 valid signatures collected (588 were required under the City Charter to place the issue on the ballot).

City of Boyne City

Boyne City is a city in Charlevoix County in the Michigan. As of the census of 2010, there were 3,735 people, 1,635 households, and 1,011 families residing in the city. The population density was 920.0 inhabitants per square mile (355.2 /km²). There were 2,292 housing units at an average density of 564.5 per square mile (218.0 /km²). The racial makeup of the city was 94.9% White, 0.4% African American, 0.7% Native American, 0.5% Asian, 0.1% Pacific Islander, 0.3% from other races, and 3.2% from two or more races. Hispanic or Latino of any race were 1.3% of the population.

There were 1,635 households of which 29.8% had children under the age of 18 living with them, 43.8% were married couples living together, 13.1% had a female householder with no husband present, 4.9% had a male householder with

no wife present, and 38.2% were non-families. 33.4% of all households were made up of individuals and 14.8% had someone living alone who was 65 years of age or older. The average household size was 2.27 and the average family size was 2.85.

The median age in the city was 41.9 years. 23.9% of residents were under the age of 18; 7.5% were between the ages of 18 and 24; 22.6% were from 25 to 44; 29% were from 45 to 64; and 16.9% were 65 years of age or older. The gender makeup of the city was 48.5% male and 51.5% female.

Registered Voters

The City of Boyne City had 2778 registered voters as of the November 2013 election. This number has been stable for a number of years. Voter turnout for elections varies by election cycle:

City of Boyne City Election History

Election	Voters	Percentage
November 2013	441/2778	15.9%
November 2012 (Presidential election)	1776/2875	61.8%
November 2011	341/2823	12.1%
November 2010 (Gubernatorial election)	1272/2821	45.1%

Given that this is a Gubernatorial Election Year – we are anticipating approximately **1300** voters for the November election based on the history of voter turnout.

We are needing approximately **650+** “yes” votes to pass the Fluoridation Initiativeⁱ.

Marketing Plan

From the on-set, we have consulted with Roger Martin, one of the principles of Martin Waymire in Lansing, Michigan.

From Martin Waymire’s website”

“Martin Waymire is a full-service strategic public relations and communications firm proudly based in Lansing, Michigan. Our clients trust us to help them find their way through the complex maze of public policy, driving toward their goals

using a wide range of public relations and communications tactics ranging from traditional earned media to cutting-edge social and digital media. Working at the intersection of public policy and communications, we take the most complicated issues, turn them into concise messages that can be understood by the public, media and elected officials, and deliver them effectively. Our hard-driving staff includes former reporters from around the nation, social media experts and well-connected political and policy experts, all ready to put your needs first.”

Roger Martin has been involved in eleven (11) Fluoridation ballot initiatives and was successful in nine (9).

Martin Waymire’s recommendations to our committee were:

1. Mass media – Television and radio makes no sense given the size of the Boyne City market.
2. Focus on direct mail --- 3 – 4 direct marketing campaigns focusing on the positive aspects of fluoridation.
 - a. Mailer 1 -- Factual direct mail package – this will cover all the “talking points” and clear up any misrepresentations that the opposition has put forward (includes an application for Absentee Ballot). – Timing – mid-September
 - b. Mailer 2 – Reinforcement Postcard – early-October
 - c. Mailer 3 – Reinforcement Postcard – mid-October
 - d. Mailer 4 – Get out the Vote – late October
3. Supplement direct mail with regular scheduled newspaper advertisements keeping with the theme of the direct mail.
4. If you have the capabilities – “geo-targeting” of Facebook and Google searches.
5. If additional funding is available – signage and flyers for local businesses.

We have also contracted with Mark Grebner – **Practical Political Consulting, Lansing Michigan** to obtain a list of “likely” voters within Boyne City and develop a political strategy that will impact the undecideds.

From Practical Political Consulting’s website:

Since 1978, when Mark Grebner founded Practical Political Consulting (PPC), we've supplied thousands of political campaigns with the best and most accurate voter lists. Alan Fox joined Mark in 1982 to form a unique partnership dedicated to creating the highest quality campaign services and products in Michigan. The New York Times even went as far as to call us the keeper of the best lists possible in this competitive state.

We provide savvy campaigns a one of a kind opportunity to be able to put their scarce resources (time and money) toward persuading people who will actually cast ballots either in person or absentee instead of wasting these precious resources on those that won't vote.

Over the years, we've spent millions of dollars acquiring, verifying, coding, and refining various pieces of information that comprise PPC lists. Quite simply, we produce the best lists available and we do it accurately, efficiently, and cost effectively for you. We sell lists for nearly every sort of race imaginable, ranging from Presidential campaigns to local school board races.

In 2011, we expanded our services to include general campaign consulting from our experienced staff with a diverse set of skills and expertise. Information on these new services can be found [here](#).

Mark's thoughts are that there are three voter segments within Boyne City (Northern Michigan small town):

Segment One – these are the Oppositions core constituency. They are not able to be influenced and represent 18% - 24% of registered voters.

Segment Two – Undecided, these voters listen to some degree and attempt to find relevant information on which to vote. These represent 45% - 52% of registered voters.

Segment Three – Pro-fluoridation supporters. These voters have already decided to support the ballot initiative. The goal is to get them out on Election Day. These voters represent 25% - 28% of registered voters.

The goal is to impact Segment two – Undecideds and motivate Segment Three - Supporters to go to the polls

Mark's recommendation on messaging is to "keep it local". Segment Two is not interested in the World Health Organization, American Medical Association or other faceless organizations but rather rely on trusted individuals within their community to offer direction on such subjects. He recommended enlisting local dentists and doctors to "carry the message", as these voters *trust their medical providers*.

"You want the people that they run into at Walmart." Mark stated.

We plan on incorporating 9 local dentists and doctors into our campaign:

- a) Dr. Dick Fish D.D.S. – Dr. Fish is a retired dentist with over 30 years of practice within Boyne City.
- b) Dr. Rob Polleys D.D.S. – Dr. Polleys is a retired dentist with over 25 years of practice within Boyne City.
- c) Dr. Joel Paga D.D.S. – Dr. Joel Paga purchased Dr. Polley's practice and has a significant amount of Boyne City residents as patients – Paga Family Dentistry.
- d) Dr. Danielle Swartz D.D.S. – Dr. Danielle Swartz is a local dentist practicing at Progressive Dental Care in Boyne City and is a resident.
- e) Dr. Michael Harmeling M.D. – Dr. Michael Harmeling is a Family Practice physician practicing at Boyne Area Medical Center – affiliated with Charlevoix Area Hospital.
- f) Dr. Catherine Wonski M.D. – Dr. Catherine Wonski is a Family Practice physician practicing at Boyne Area Medical Center – affiliated with Charlevoix Area Hospital.
- g) Dr. Jennifer Larson D.D.S. – Dr. Jennifer Larson is a local dentist practicing at Park View Family Dentistry in Boyne City.
- h) Dr. James Straley D.D.S. – Dr. Jim Straley is a local dentist practicing at Park View Family Family Dentistry in Boyne City and is Dr. Jennifer Larson's father.
- i) Dr. Tom Veryser D.D.S – Dr. Tom Veryser is the CEO of **Michigan Community Dental Clinics**. Michigan Community Dental Clinics is a not-for-profit organization that provides dental services for low income and uninsured individuals at 22 locations through Michigan and is based in Boyne City.

Marketing Budget

Direct Mail

Mailing 1 – “The Facts About Water Fluoridation”

Envelopes – 1500	\$ 300.00
Letters – 1500	\$ 100.00
Absentee Ballots – 1500	\$ 100.00
Brochure – 2500	\$1500.00
Labels – 1500	\$ 50.00
Lettershop – 1500	\$ 500.00
Photography – 9 subjects – 2 shots	\$ 500.00
Layout	\$ 200.00
Postage – Third Class with Permit	\$ 900.00
Total – Mailer 1	<u>\$4150.00</u>
Contingency – 10%	<u>\$ 415.00</u>
Total	\$4565.00

Mailer 2 – “Reinforcement 1”

Postcard (6 x 9)	\$ 400.00
Labels	\$ 50.00
Postage	<u>\$ 500.00</u>
Total – Mailer 2	\$ 950.00
Contingency – 10%	<u>\$ 100.00</u>
Total	\$1050.00

Mailer 3 – “Reinforcement 2”

Postcard (6 x 9)	\$ 400.00
Labels	\$ 50.00
Postage	<u>\$ 500.00</u>
Total – Mailer 2	\$ 950.00
Contingency – 10%	<u>\$ 100.00</u>
Total	\$1050.00

Mailer 4 – “Get Out The Vote”

Postcard (6 x 9)	\$ 400.00
Labels	\$ 50.00
Postage	<u>\$ 500.00</u>
Total – Mailer 2	\$ 950.00
Contingency – 10%	<u>\$ 100.00</u>
Total	\$1050.00

Direct Mail Total **\$7715.00**

Newspaper

Petoskey News Review – 4 7/8”x 4 7/8” ad
Six insertions **\$ 500.00**
\$3000.00

Boyne Gazette 4 7/8” x 4 7/8” ad
Six insertions **\$ 375.00**
\$2250.00

Newspaper Total **\$5250.00**

Total Campaign **\$12,965.00**

Proposed Creative – The Facts About Water Fluoridation Brochure

Page 1

The Facts About Water Fluoridation

Fluoride is a mineral that exists naturally in nearly all water supplies but usually at a concentration that is too low to prevent tooth decay. This explains why so many U.S. communities choose to fortify their water with additional fluoride. In fact, Michigan is the birthplace of community water fluoridation, which began nearly 70 years ago in Grand Rapids. The Centers for Disease Control and Prevention (CDC) report that fluoridated water reduces tooth decay by about 25 percent over a person's lifetime.



In November 1973, the citizens of Boyne City passed Proposal 1 – Fluoridating Boyne City's Water System. The impact has been tremendous. For the last 40 years our children have experienced fewer cavities, less toothaches and required fewer dental extractions.

Dr. Dick Fish D.D.S.

Fluoridation is safe. Numerous studies and reviews have demonstrated the safety of fluoridated water. The Toxicology Excellence for Risk Assessment, an independent U.S. research organization, explains that "medical scientists have agreed that small concentrations of fluoride have health benefits that vastly exceed any hypothetical health risk." *U.S. fluoridation practices are held to high standards of quality and safety. These additives' quality and safety are ensured by Standard 60—a set of guidelines developed at the request of the Environmental Protection Agency (EPA). Hundreds of samples have been taken and tested under Standard 60 to confirm the quality and purity of fluoride additives.*

Fluoridation is critical to Public Health.

The Center for Disease Control (CDC) has recognized water fluoridation as one of the 10 great public achievements of the 20th century.

Dr. Rob Polleys D.D.S.



The Facts About Water Fluoridation

Drinking fluoridated water builds on the benefits of brushing with fluoride toothpaste. Although toothbrushing is crucial, numerous studies confirm that fluoridated water provides important, added protection against tooth decay. Over the past several years, studies in Nevada, Alaska and New York have demonstrated that kids in fluoridated communities have better oral health. The Nevada study found that living in a community *without* fluoridated water was one of the *top three risk factors for teens having dental problems*. Last year, a research paper concluded that community water fluoridation "is still the optimal method" for providing fluoride to the public.



What do the experts say about the safety of fluoridated water?

"... we continue to support community water fluoridation as an effective and safe public health measure for people of all ages. Numerous reputable studies over the years have consistently demonstrated that community water fluoridation is safe, effective, and practical."

Jeffrey S. Flier, MD
Dean, Harvard Medical School

Dr. Joel Pega D.D.S. – Pega Family Dentistry

Opponents have misrepresented reports. For example, anti-fluoride activists often cite the 2006 report by the National Research Council (NRC). This report explored the possibility of health concerns in communities where the *natural* fluoride levels in well water or aquifers are unusually high. Those natural fluoride levels are significantly higher than the level used to fluoridate public water systems. The NRC itself explained that the conclusions in its report "do not apply at the lower water fluoride levels commonly experienced by most U.S. citizens."

The experts continue to endorse fluoridation.

U.S. Surgeons General have consistently recommended fluoridation, regardless of the president who appointed them. Researchers at the Wellesley Institute concluded that ceasing fluoridation in a city would be "especially damaging" to the uninsured, people with disabilities and others who struggle to access dental care.

Dr. Danielle Swartz D.D.S. – Progressive Dental Care



The Facts About Water Fluoridation

Prevention is key. Although America's dental health has improved significantly in recent decades, tooth decay is the most common chronic disease of early childhood—five times more prevalent than asthma. Research shows that children with dental problems are much more likely to miss school, and teens with a recent toothache are four times more likely to struggle academically. Last year, a CNBC story pointed out one of the consequences for adults with unhealthy or missing teeth: "In America, most people—including employers—make instant judgments based on appearance, including someone's smile and teeth." Clearly, prevention is the best way to avoid the pain, cost and other negative impacts of tooth decay.



The safety of fluoridation is unquestionable. There have been numerous studies over the past 60 years that come to the same conclusion – optimizing the amount of fluoride in a city's water system is a safe and effective method to improve the dental health of both children and adults. The impact can be as much as a 30% - 50% reduction in tooth decay.

A National Academy of Sciences study concludes: "There is no generally accepted evidence that anyone has been harmed by drinking water with fluoride concentrations considered optimal."

Dr. Michael Harmeling M.D. – Boyne Area Medical Center

The ability of fluoridated water to prevent cavities has been established by hundreds of studies and research papers. Ample evidence shows that fluoridated water is safe. This solid research is why the American Academy of Pediatrics, the American Dental Association, the Institute of Medicine and other respected medical/health organizations endorse fluoridation.

Dr. Catherine A. Wonski M.D. – Boyne Area Medical Center



The Facts About Water Fluoridation

Unfortunately, people searching "fluoride" or "fluoridation" online are likely to encounter various inaccurate or misleading statements. Many web pages posted by anti-fluoride groups misrepresent what their claims by often citing foreign studies that are flawed or do not reflect how fluoridation is practiced in the U.S.



The Impact of fluoride locally from the Health Department of Northern Michigan -

School District K-12	Percentage of Students Referred for Treatment of Tooth Decay
Boyer City (Fluorated)	8.6%
Gaylord (not Fluorated)	28.0%
Mancelona (not Fluorated)	30.0%
PeEston (not Fluorated)	23.0%
East Jordan (Fluorated)	8.0%

Dr. Jennifer S Larson D.D.S.
Park View Family Dentistry

Dr. James E. Straley D.D.S.
Park View Family Dentistry

Fluoridated water benefits adults too. Fluoridation has played a key role in helping to reduce tooth loss among adults by at least 40 percent. A 2013 study showed that adults who were born before fluoridation became widespread but who resided in fluoridated areas for at least three-quarters of their lives had 30 percent less decay than those who resided in fluoridated communities for much less of their lives.

Although dental caries (tooth decay) is largely preventable, it remains the most common chronic disease of children aged 5 to 17 years. In the U.S., tooth decay affects

- 1 out of 4 elementary school children
- 2 out of 3 adolescents
- 9 out of 10 adults

Both children and adults benefit from water fluoridation.

In Boyne City -- fluoridation saves over \$100,000 annually in avoided dental bills. And the suffering associated with tooth decay and loss.

Dr. Tom Veryser D.D.S. - Michigan Community Dental Clinics - Boyne City

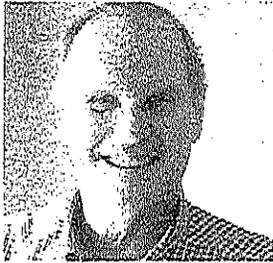


¹ **Citizens United for Dental Health** has a core of five members, Carl VanDomelen, Dr. Tom Veryser D.D.S., Dr. Dick Fish D.D.S., Dr. Rich Persiani D.D.S. and Arch Wright.

ⁱⁱ The proposed legislation reads:

Sec. 70-26. – Use of Fluoride

For the purpose of promoting public health through prevention of dental disease, the city manager is hereby directed to establish and maintain fluoride levels in the city's waterworks system as prescribed by the State of Michigan. The city manager shall establish a testing program that accurately show fluoride levels in the public water supply on a monthly basis and those results shall be posted on the city website within 30 days after the test results have been obtained.



Dr Robert Polleys, DDS



Dr Joel Paga, DDS



Dr Richard Fish, DDS



Dr Thomas Veryser, DDS



Dr Jennifer Larson, DDS



Dr James Straley, DDS



Dr Catherine Wonski, MD



Dr Andrea Wendling, MD



Dr Michael Harmeling, MD



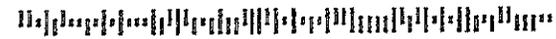
Citizens United
for Dental Health

PO Box 12, Boyne City, MI 49712

Prst. Std.
U.S. Postage Paid
Petoskey, MI
Permit No. 110

Boyne City dentists and doctors say

vote yes
for fluoride!



1/1/180

PAUL DOUGLAS NICHOLLS
119 WATER ST
BOYNE CITY MI 49712-1242

FLUORIDE FACTS

What is fluoride?

Fluoride is a mineral that exists naturally in virtually all water supplies. "Fluoridation" is simply adjusting fluoride to the optimal level that protects teeth *from decay* — less than 1 part per million. Optimal level standards are set by the CDC and the Environmental Protection Association (EPA). Boyne City's municipal wells both contain some naturally-occurring fluoride, but not enough to optimize dental disease prevention.

is critical to public health.

The Centers for Disease Control and Prevention (CDC) has recognized water fluoridation as one of the greatest public health achievements of the 20th century. The impact can be 25% to 30% reduction in decay.

of water is safe.

City water fluoridation has been researched extensively since 1945. Scientific study continues to reach the same conclusion — water fluoridation is an effective method to improve dental health of children and adults. The Academy of Sciences study, concludes: "There is no generally accepted evidence that has been harmed by drinking water with fluoride concentrations between 0.7 and 1.2 ppm. The overwhelming evidence shows the benefits of water fluoridation far outweigh any risks."

Fluoridation is a sound investment of money.

Water fluoridation is the most cost-effective, equitable, and safe method to reach to improving oral health. In Boyne City the cost is between \$1.50 and \$2.00 per person per year. For most cities, every \$1 invested saves about \$38 in dental treatment costs.

Adding fluoride to water is similar to adding vitamins to milk.

The American Dental Association (ADA), "Water that has been fortified with fluoride is similar to adding milk with Vitamin D, table salt with iodine, and bread and cereal with iron."

It is time to recognize the public health benefits of water fluoridation.

Water fluoridation is a policy supported by nearly every nationally-renowned health organization, including the Center for Disease Control and Prevention, the American Academy of Pediatrics, the American Academy of Family Physicians, the World Health Organization, and the Mayo Clinic. The Michigan Department of Community Health has a strong commitment for community water fluoridation.

FLUORIDE MYTHS

MYTH: Adding fluoride to water is like forcing people to take medication.

FACT: Fluoride is not a medication.

Fluoride in water prevents tooth decay and contributes to healthy bones. U.S. court decisions have rejected the argument that fluoride is a "medication" that should not be allowed in water. Use of a fluoride in city water systems is a preventive public health measure based on sound research — *not a fear-driven belief.*

MYTH: Fluoridation causes cancer and other serious health problems.

FACT: Fluoridated water is safe. Claims that it causes cancer or other life-threatening illnesses are unproven.

The National Cancer Institute has stated, "Many studies, in both humans and animals, have shown no association between fluoridated water and risk for cancer."

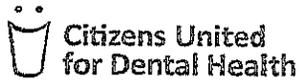
MYTH: Fluoridated water is not safe for babies.

FACT: Water fluoridated at the optimal level is safe for babies and young children.

The American Academy of Pediatrics supports water fluoridation. It is *safe* to use fluoridated water for preparing infant formula. In rare instances, faint white lines, called *enamel fluorosis*, may appear on newly forming teeth, but this does not affect the health of the child or the health of the teeth. It is harmless, purely cosmetic and correctable. To learn more, parents are encouraged to talk to their dentists.

The children of Boyne City face a much higher rate of tooth decay and the potential for dental diseases without fluoridated water. This risk can be remedied by **VOTING YES** to allow them the protection of fluoridated water, which more than 30,000 individuals have benefited from since 1973.





The safety of fluoridation is unquestionable.

There have been numerous studies over the past 60 years that come to the same conclusion: controlling the amount of fluoride in a city's water system is safe and the impact has been a 25-40% reduction in tooth decay.

A NATIONAL ACADEMY OF SCIENCES STUDY CONCLUDES

"There is no generally accepted evidence that anyone has been harmed by drinking water with fluoride concentrations considered optimal."



Fluoride Facts and Information*

Neurodevelopmental disabilities, including autism, attention-deficit hyperactivity disorder, dyslexia, and other cognitive impairments, affect millions of children worldwide, and some diagnoses seem to be increasing in frequency. Fluoride, as well as arsenic, is a documented developmental neurotoxicant (Lancet).

Boyne City uses fluorosilicic acid, a byproduct of the phosphate fertilizer industry, to fluoridate their water; 50% of all fluorosilicic acid contains traces of arsenic (Environmental Protection Agency).

Over exposure to fluoride has been linked to Aspergers, ADHD, lower IQ's (up to 7 points) and Autism. In the U.S. 1 in 68 has an autism spectrum disorder (ASD), a 30% increase from 1 in 88 two years ago, and an increase of 2841% from 1 in 2000 in the 1970s and 1980s. (Center for Disease Control).

Fluoride is present in breast milk in concentrations of 0.004ppm – 0.01ppm. In babies fed formula made with fluoridated water (something condoned by the Citizens United for Dental Health), babies are exposed to up to 300 times more fluoride than breast fed babies and a 40% chance of dental fluorosis (Center for Disease Control).

Iodine is a necessary nutrient for a healthy thyroid, when fluoride is present in the body it competes with iodide and because it has a higher negative charge it wins, which results in hypothyroidism. "The chance of being diagnosed with thyroid cancer has risen in recent years and is now more than twice what it was in 1990 (American Cancer Society)."

Overexposure to fluoride can result in hypothyroidism and skeletal fluorosis, the symptoms of which are: hair loss, fatigue, irregular or extremely heavy menstrual cycles, high cholesterol, stiffness and pain in the joints, and in severe cases the bone structure may change and ligaments may calcify, with resulting impairment of muscles and pain (Mayo Clinic).

In the United States fluoride is now present in much of our food and beverages as a result of so many communities fluoridating their water. The ramifications of which are much higher levels of fluoride in our systems, which we have no control of. It is impossible to determine how much fluoride we are being exposed to and children are the ones who seem to be affected the most (Science American).

Cosmetic dentistry is up 200% from 1996 and is a billion dollar business. Dental fluorosis, a permanent discoloring of the teeth can cost \$800 - \$1200 per tooth to repair. (American Association of Cosmetic Dentistry). The prevalence of dental fluorosis has increased in the United States from 22.8% in 1986-1987 to 32% in 1999-2002 (American Academy of Pediatrics).

Topical fluoridation is much more effective than systemic (drinking water with fluoride in it) and doesn't cause dental fluorosis (American Dental Association, American Academy of Pediatrics & Center for Disease Control).

Besides being used to artificially fluoridate water in communities, other uses for fluorosilicic acid are: to refine high octane gasoline, to make fluorocarbons and chlorofluorocarbons for freezers and air conditioners, and to manufacture computer screens, fluorescent light bulbs, semiconductors, plastics, herbicides, and toothpaste (Environmental Protection Agency).

95% of the world does not fluoridate their water, yet tooth decay is going down globally at the same rate everywhere. (World Health Organization).

* These facts were researched and compiled by Leslie M. Neilson who has a Bachelor of Science degree in Microbiology & Public Health from Michigan State University and worked in Waste Water Treatment for 12 years at MBI International. She also consulted for ReNew Water Systems in Bay City for an additional 8 years.

CASH SUMMARY BY FUND FOR BOYNE CITY

FROM 12/01/2014 TO 12/31/2014

FUND: 101 202 203 206 209 210 211 226 242 248 251 285 295 410 590 592 661
CASH AND INVESTMENT ACCOUNTS

Fund	Description	Beginning Balance 12/01/2014	Total Debits	Total Credits	Ending Balance 12/31/2014
101	GENERAL FUND	3,705,407.70	48,981.16	429,210.84	3,325,178.02
202	MAJOR STREET FUND	114,686.41	264,542.91	379,229.32	0.00
203	LOCAL STREET FUND	(21.45)	37,089.76	37,068.31	0.00
206	FIRE FUND	259,339.50	0.00	11,652.28	247,687.22
209	CEMETERY FUND	5,017.64	3,671.61	1,314.02	7,375.23
210	AMBULANCE FUND	7,621.35	44,921.48	44,506.12	8,036.71
211	SPECIAL PROJECTS FUND	3,898.20	10.00	345.00	3,563.20
226	RUBBISH COLLECTION FUND	(9,214.88)	9,214.88	0.00	0.00
242	BOYNE THUNDER FUND	31,929.33	2,000.00	0.00	33,929.33
248	DOWNTOWN DEVELOPMENT AUTHORITY	209,666.28	4,611.51	4,529.89	209,747.90
251	LDFA FUND	1,126,150.81	0.00	2,340.00	1,123,810.81
285	MARINA FUND	157,354.56	1,038.00	17,426.67	140,965.89
295	AIRPORT FUND	19,698.63	4,541.35	9,909.42	14,330.56
410	BOYNE SENIORS CENTER FUND	0.00	0.00	0.00	0.00
590	WASTEWATER FUND	2,205,522.13	103,731.62	37,794.60	2,271,459.15
592	WATER FUND	502,507.24	62,304.12	37,458.92	527,352.44
661	MOTOR POOL FUND	854,144.80	10,649.15	21,865.60	842,928.35
	TOTAL - ALL FUNDS	9,193,708.25	597,307.55	1,034,650.99	8,756,364.81

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDGT USED
Fund 101 - GENERAL FUND					
Revenues					
031-REVENUES	3,656,995.00	2,431,972.32	21,187.16	1,225,022.68	66.50
032-REVENUES	992,078.00	228,846.08	0.00	763,231.92	23.07
033-REVENUES	142,500.00	59,166.65	0.00	83,333.35	41.52
034-REVENUES	152,500.00	63,992.62	250.44	88,507.38	41.96
035-REVENUES	13,200.00	7,649.91	1,117.43	5,550.09	57.95
036-REVENUES	77,784.00	79,405.89	3,510.56	(1,621.89)	102.09
TOTAL Revenues	5,035,057.00	2,871,033.47	26,065.59	2,164,023.53	57.02
Expenditures					
101-LEGISLATIVE	20,695.00	19,409.14	0.00	1,285.86	93.79
151-PLANNING	170,363.00	103,238.76	14,128.76	67,124.24	60.60
173-GENERAL SERVICES	586,324.00	365,428.35	49,480.06	220,895.65	62.33
191-ELECTIONS	2,300.00	2,644.74	0.00	(344.74)	114.99
208-ACCOUNTING/AUDIT	12,800.00	10,202.50	0.00	2,597.50	79.71
209-ASSESSMENT/TAXES	70,610.00	46,031.92	6,367.03	24,578.08	65.19
210-LEGAL	60,000.00	17,946.29	3,590.00	42,053.71	29.91
248-GENERAL/OTHER SERVICES	161,300.00	61,361.11	9,168.95	99,938.89	38.04
250-HOUSING	0.00	3,091.53	30.16	(3,091.53)	100.00
265-PUBLIC BUILDINGS	1,195,240.00	126,156.19	9,677.65	1,069,083.81	10.55
301-POLICE DEPARTMENT	673,774.00	402,900.28	55,712.27	270,873.72	59.80
706-ENVIRONMENTAL	825.00	1,000.00	0.00	(175.00)	121.21
751-PARKS & RECREATION	327,900.00	177,409.29	6,268.14	150,490.71	54.10
804-MUSEUM	3,177.00	1,163.31	112.45	2,013.69	36.62
809-SIDEWALKS	808,000.00	3,113.25	575.00	804,886.75	0.39
899-CONTINGENCY	35,992.00	22,567.78	10,194.43	13,424.22	62.70
965-TRANSFERS OUT	905,757.00	1,095,691.96	248,707.26	(189,934.96)	120.97
TOTAL Expenditures	5,035,057.00	2,459,356.40	414,012.16	2,575,700.60	48.84
Fund 101 - GENERAL FUND:					
TOTAL REVENUES	5,035,057.00	2,871,033.47	26,065.59	2,164,023.53	57.02
TOTAL EXPENDITURES	5,035,057.00	2,459,356.40	414,012.16	2,575,700.60	48.84
NET OF REVENUES & EXPENDITURES	0.00	411,677.07	(387,946.57)	(411,677.07)	100.00

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BGD USED
	AMENDED BUDGET	12/31/2014 NORMAL (ABNORM)	MONTH 12/31/20 INCREASE (DECR)	BALANCE NORMAL (ABNORM)	
Fund 202 - MAJOR STREET FUND					
Revenues					
030-REVENUES	1,540,719.00	1,238,470.14	260,232.21	302,248.86	80.38
TOTAL Revenues	1,540,719.00	1,238,470.14	260,232.21	302,248.86	80.38
Expenditures					
451-CONSTRUCTION	1,021,070.00	1,005,716.21	349,595.17	15,353.79	98.50
463-ROUTINE MAINTANCE	197,700.00	117,065.89	9,148.66	80,634.11	59.21
474-TRAFFIC SERVICE	32,200.00	6,098.40	853.24	26,101.60	18.94
478-WINTER MAINTENANCE	148,000.00	52,645.16	11,889.22	95,354.84	35.57
482-ADMINISTRATION	141,749.00	39,843.87	3,432.33	101,905.13	28.11
TOTAL Expenditures	1,540,719.00	1,221,369.53	374,918.62	319,349.47	79.27
Fund 202 - MAJOR STREET FUND:					
TOTAL REVENUES	1,540,719.00	1,238,470.14	260,232.21	302,248.86	80.38
TOTAL EXPENDITURES	1,540,719.00	1,221,369.53	374,918.62	319,349.47	79.27
NET OF REVENUES & EXPENDITURES	0.00	17,100.61	(114,686.41)	(17,100.61)	100.00

ACCOUNT DESCRIPTION	2014-15	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT
	AMENDED	12/31/2014	MONTH 12/31/20	BALANCE	
	BUDGET	NORMAL (ABNORM)	INCREASE (DECR)	NORMAL (ABNORM)	USED
Fund 203 - LOCAL STREET FUND					
Revenues					
030-REVENUES	537,381.00	255,562.27	29,463.46	281,818.73	47.56
TOTAL Revenues	537,381.00	255,562.27	29,463.46	281,818.73	47.56
Expenditures					
451-CONSTRUCTION	20,763.00	4,242.31	1,417.72	16,520.69	20.43
463-ROUTINE MAINTANCE	308,100.00	157,404.49	7,866.48	150,695.51	51.09
474-TRAFFIC SERVICE	19,625.00	5,061.25	1,322.17	14,563.75	25.79
478-WINTER MAINTENANCE	120,610.00	47,781.89	15,403.47	72,828.11	39.62
482-ADMINISTRATION	68,283.00	38,494.73	3,432.17	29,788.27	56.38
TOTAL Expenditures	537,381.00	252,984.67	29,442.01	284,396.33	47.08
Fund 203 - LOCAL STREET FUND:					
TOTAL REVENUES	537,381.00	255,562.27	29,463.46	281,818.73	47.56
TOTAL EXPENDITURES	537,381.00	252,984.67	29,442.01	284,396.33	47.08
NET OF REVENUES & EXPENDITURES	0.00	2,577.60	21.45	(2,577.60)	100.00

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDT USED
Fund 206 - FIRE FUND					
Revenues					
030-REVENUES	293,000.00	(86,637.32)	0.00	379,637.32	(29.57)
TOTAL Revenues	<u>293,000.00</u>	<u>(86,637.32)</u>	<u>0.00</u>	<u>379,637.32</u>	<u>(29.57)</u>
Expenditures					
040-EXPENDITURES	266,341.00	111,210.19	11,652.28	155,130.81	41.75
TOTAL Expenditures	<u>266,341.00</u>	<u>111,210.19</u>	<u>11,652.28</u>	<u>155,130.81</u>	<u>41.75</u>
 Fund 206 - FIRE FUND:					
TOTAL REVENUES	293,000.00	(86,637.32)	0.00	379,637.32	29.57
TOTAL EXPENDITURES	266,341.00	111,210.19	11,652.28	155,130.81	41.75
NET OF REVENUES & EXPENDITURES	<u>26,659.00</u>	<u>(197,847.51)</u>	<u>(11,652.28)</u>	<u>224,506.51</u>	<u>742.14</u>

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDT USED
Fund 209 - CEMETERY FUND					
Revenues					
030-REVENUES	68,755.00	20,020.00	3,435.00	48,735.00	29.12
TOTAL Revenues	68,755.00	20,020.00	3,435.00	48,735.00	29.12
Expenditures					
040-EXPENDITURES	68,755.00	39,148.77	1,077.41	29,606.23	56.94
TOTAL Expenditures	68,755.00	39,148.77	1,077.41	29,606.23	56.94
Fund 209 - CEMETERY FUND:					
TOTAL REVENUES	68,755.00	20,020.00	3,435.00	48,735.00	29.12
TOTAL EXPENDITURES	68,755.00	39,148.77	1,077.41	29,606.23	56.94
NET OF REVENUES & EXPENDITURES	0.00	(19,128.77)	2,357.59	19,128.77	100.00

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
	AMENDED BUDGET	12/31/2014 NORMAL (ABNORM)	MONTH 12/31/20 INCREASE (DECR)	BALANCE NORMAL (ABNORM)	
Fund 210 - AMBULANCE FUND					
Revenues					
030-REVENUES	749,535.00	474,652.81	73,776.22	274,882.19	63.33
032-REVENUES	147,527.00	90,619.50	17,154.50	56,907.50	61.43
TOTAL Revenues	897,062.00	565,272.31	90,930.72	331,789.69	63.01
Expenditures					
040-EXPENDITURES	749,535.00	566,278.66	61,642.95	183,256.34	75.55
045-EXPENSES	182,000.00	0.00	0.00	182,000.00	0.00
TOTAL Expenditures	931,535.00	566,278.66	61,642.95	365,256.34	60.79
Fund 210 - AMBULANCE FUND:					
TOTAL REVENUES	897,062.00	565,272.31	90,930.72	331,789.69	63.01
TOTAL EXPENDITURES	931,535.00	566,278.66	61,642.95	365,256.34	60.79
NET OF REVENUES & EXPENDITURES	(34,473.00)	(1,006.35)	29,287.77	(33,466.65)	2.92

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDT USED
Fund 211 - SPECIAL PROJECTS FUND					
Revenues					
030-REVENUES	0.00	28,959.73	10.00	(28,959.73)	100.00
TOTAL Revenues	0.00	28,959.73	10.00	(28,959.73)	100.00
Expenditures					
040-EXPENDITURES	0.00	27,676.98	345.00	(27,676.98)	100.00
TOTAL Expenditures	0.00	27,676.98	345.00	(27,676.98)	100.00
Fund 211 - SPECIAL PROJECTS FUND:					
TOTAL REVENUES	0.00	28,959.73	10.00	(28,959.73)	100.00
TOTAL EXPENDITURES	0.00	27,676.98	345.00	(27,676.98)	100.00
NET OF REVENUES & EXPENDITURES	0.00	1,282.75	(335.00)	(1,282.75)	100.00

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDGT USED
Fund 226 - RUBBISH COLLECTION FUND					
Revenues					
030-REVENUES	35,100.00	35,527.51	9,214.88	(427.51)	101.22
TOTAL Revenues	35,100.00	35,527.51	9,214.88	(427.51)	101.22
Expenditures					
040-EXPENDITURES	35,100.00	35,527.51	0.00	(427.51)	101.22
TOTAL Expenditures	35,100.00	35,527.51	0.00	(427.51)	101.22
Fund 226 - RUBBISH COLLECTION FUND:					
TOTAL REVENUES	35,100.00	35,527.51	9,214.88	(427.51)	101.22
TOTAL EXPENDITURES	35,100.00	35,527.51	0.00	(427.51)	101.22
NET OF REVENUES & EXPENDITURES	0.00	0.00	9,214.88	0.00	0.00

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDGT USED
Fund 242 - BOYNE THUNDER FUND					
Revenues					
030-REVENUES	165,000.00	121,231.04	2,000.00	43,768.96	73.47
TOTAL Revenues	165,000.00	121,231.04	2,000.00	43,768.96	73.47
Expenditures					
040-EXPENDITURES	140,100.00	193,015.42	0.00	(52,915.42)	137.77
TOTAL Expenditures	140,100.00	193,015.42	0.00	(52,915.42)	137.77
Fund 242 - BOYNE THUNDER FUND:					
TOTAL REVENUES	165,000.00	121,231.04	2,000.00	43,768.96	73.47
TOTAL EXPENDITURES	140,100.00	193,015.42	0.00	(52,915.42)	137.77
NET OF REVENUES & EXPENDITURES	24,900.00	(71,784.38)	2,000.00	96,684.38	288.29

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDGT USED
Fund 248 - DOWNTOWN DEVELOPMENT AUTHORITY					
Revenues					
030-REVENUES	452,558.00	230,144.68	3,799.00	222,413.32	50.85
TOTAL Revenues	452,558.00	230,144.68	3,799.00	222,413.32	50.85
Expenditures					
731-EXPENDITURES	452,558.00	138,002.86	4,517.38	314,555.14	30.49
TOTAL Expenditures	452,558.00	138,002.86	4,517.38	314,555.14	30.49
Fund 248 - DOWNTOWN DEVELOPMENT AUTHORITY:					
TOTAL REVENUES	452,558.00	230,144.68	3,799.00	222,413.32	50.85
TOTAL EXPENDITURES	452,558.00	138,002.86	4,517.38	314,555.14	30.49
NET OF REVENUES & EXPENDITURES	0.00	92,141.82	(718.38)	(92,141.82)	100.00

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDGT USED
Fund 251 - LDFA FUND					
Revenues					
030-REVENUES	887,841.00	230,007.49	0.00	657,833.51	25.91
TOTAL Revenues	887,841.00	230,007.49	0.00	657,833.51	25.91
Expenditures					
040-EXPENDITURES	887,841.00	100,676.62	2,340.00	787,164.38	11.34
TOTAL Expenditures	887,841.00	100,676.62	2,340.00	787,164.38	11.34
Fund 251 - LDFA FUND:					
TOTAL REVENUES	887,841.00	230,007.49	0.00	657,833.51	25.91
TOTAL EXPENDITURES	887,841.00	100,676.62	2,340.00	787,164.38	11.34
NET OF REVENUES & EXPENDITURES	0.00	129,330.87	(2,340.00)	(129,330.87)	100.00

ACCOUNT DESCRIPTION	2014-15	YTD BALANCE		ACTIVITY FOR		AVAILABLE		% BGD USED	
	AMENDED	BUDGET	NORMAL	(ABNORM	MONTH 12/31/20	INCREASE	(DECR		NORMAL
Fund 285 -- MARINA FUND									
Revenues									
030-REVENUES	372,000.00		235,805.54		960.60		136,194.46		63.39
TOTAL Revenues	<u>372,000.00</u>		<u>235,805.54</u>		<u>960.60</u>		<u>136,194.46</u>		<u>63.39</u>
Expenditures									
040-EXPENDITURES	372,000.00		293,341.83		17,349.27		78,658.17		78.86
TOTAL Expenditures	<u>372,000.00</u>		<u>293,341.83</u>		<u>17,349.27</u>		<u>78,658.17</u>		<u>78.86</u>
Fund 285 - MARINA FUND:									
TOTAL REVENUES	372,000.00		235,805.54		960.60		136,194.46		63.39
TOTAL EXPENDITURES	<u>372,000.00</u>		<u>293,341.83</u>		<u>17,349.27</u>		<u>78,658.17</u>		<u>78.86</u>
NET OF REVENUES & EXPENDITURES	0.00		(57,536.29)		(16,388.67)		57,536.29		100.00

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDGT USED
Fund 295 - AIRPORT FUND					
Revenues					
030-REVENUES	143,400.00	76,249.18	5,539.91	67,150.82	53.17
TOTAL Revenues	143,400.00	76,249.18	5,539.91	67,150.82	53.17
Expenditures					
040-EXPENDITURES	143,400.00	50,906.93	9,909.42	92,493.07	35.50
TOTAL Expenditures	143,400.00	50,906.93	9,909.42	92,493.07	35.50
Fund 295 - AIRPORT FUND:					
TOTAL REVENUES	143,400.00	76,249.18	5,539.91	67,150.82	53.17
TOTAL EXPENDITURES	143,400.00	50,906.93	9,909.42	92,493.07	35.50
NET OF REVENUES & EXPENDITURES	0.00	25,342.25	(4,369.51)	(25,342.25)	100.00

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDGT USED
Fund 590 - WASTEWATER FUND					
Revenues					
030-REVENUES	1,221,522.00	515,461.04	34,875.97	706,060.96	42.20
TOTAL Revenues	1,221,522.00	515,461.04	34,875.97	706,060.96	42.20
Expenditures					
590-EXPENDITURES	1,159,840.00	305,440.65	35,375.72	854,399.35	26.33
TOTAL Expenditures	1,159,840.00	305,440.65	35,375.72	854,399.35	26.33
Fund 590 - WASTEWATER FUND:					
TOTAL REVENUES	1,221,522.00	515,461.04	34,875.97	706,060.96	42.20
TOTAL EXPENDITURES	1,159,840.00	305,440.65	35,375.72	854,399.35	26.33
NET OF REVENUES & EXPENDITURES	61,682.00	210,020.39	(499.75)	(148,338.39)	340.49

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BDGT USED
Fund 592 - WATER FUND					
Revenues					
032-REVENUES	605,380.00	310,791.56	33,788.58	294,588.44	51.34
TOTAL Revenues	<u>605,380.00</u>	<u>310,791.56</u>	<u>33,788.58</u>	<u>294,588.44</u>	<u>51.34</u>
Expenditures					
592-EXPENDITURES	564,400.00	228,579.90	36,252.43	335,820.10	40.50
TOTAL Expenditures	<u>564,400.00</u>	<u>228,579.90</u>	<u>36,252.43</u>	<u>335,820.10</u>	<u>40.50</u>
Fund 592 - WATER FUND:					
TOTAL REVENUES	605,380.00	310,791.56	33,788.58	294,588.44	51.34
TOTAL EXPENDITURES	564,400.00	228,579.90	36,252.43	335,820.10	40.50
NET OF REVENUES & EXPENDITURES	<u>40,980.00</u>	<u>82,211.66</u>	<u>(2,463.85)</u>	<u>(41,231.66)</u>	<u>200.61</u>

PERIOD ENDING 12/31/2014

ACCOUNT DESCRIPTION	2014-15 AMENDED BUDGET	YTD BALANCE 12/31/2014 NORMAL (ABNORM)	ACTIVITY FOR MONTH 12/31/20 INCREASE (DECR)	AVAILABLE BALANCE NORMAL (ABNORM)	% BGD USED
Fund 661 - MOTOR POOL FUND					
Revenues					
030-REVENUES	481,950.00	162,788.30	9,885.64	319,161.70	33.78
TOTAL Revenues	<u>481,950.00</u>	<u>162,788.30</u>	<u>9,885.64</u>	<u>319,161.70</u>	<u>33.78</u>
Expenditures					
040-EXPENDITURES	481,950.00	104,971.24	21,865.60	376,978.76	21.78
TOTAL Expenditures	<u>481,950.00</u>	<u>104,971.24</u>	<u>21,865.60</u>	<u>376,978.76</u>	<u>21.78</u>
Fund 661 - MOTOR POOL FUND:					
TOTAL REVENUES	481,950.00	162,788.30	9,885.64	319,161.70	33.78
TOTAL EXPENDITURES	<u>481,950.00</u>	<u>104,971.24</u>	<u>21,865.60</u>	<u>376,978.76</u>	<u>21.78</u>
NET OF REVENUES & EXPENDITURES	0.00	57,817.06	(11,979.96)	(57,817.06)	100.00
TOTAL REVENUES - ALL FUNDS	12,736,725.00	6,810,686.94	510,201.56	5,926,038.06	53.47
TOTAL EXPENDITURES - ALL FUNDS	<u>12,616,977.00</u>	<u>6,128,488.16</u>	<u>1,020,700.25</u>	<u>6,488,488.84</u>	<u>48.57</u>
NET OF REVENUES & EXPENDITURES	<u>119,748.00</u>	<u>682,198.78</u>	<u>(510,498.69)</u>	<u>(562,450.78)</u>	<u>569.70</u>



City of Boyne City

MEMO

Date: January 23, 2015

To: Mayor Grunch and the Boyne City City Commission

From: Michael Cain, City Manager *Mc*

Subject: City Facilities Funding Options

On January 13th the City Commission held a work session to get an update from our facilities consultant, Ray Kendra of Environment Architects, on the status of the proposed North Boyne DPW facilities design and also talk about overall funding options.

At that time it was reported that we should be able to pay the estimated \$2.6 million dollars for the new DPW facilities out of existing savings. Discussion then ensued on options for funding the rest of the proposed facilities to house other City departments (Fire, Ambulance, Police and the rest of the City Hall operations) that would remain housed on the current City Hall complex site.

Following the meeting, Ray reviewed his estimates for this site and remains comfortable with his current estimates of \$6,948,000. While these numbers could change if significant items are added or deleted, he is confident the estimates he has provided to date are in line. Based on this we have generally used a \$7,000,000 million dollar cost going forward.

At our meeting on January 13th three main options for funding the balance of the City facilities were discussed:

- 1) Use future savings going forward.
 - 2) Have the City raise the existing millage level to the maximum amount possible that does not require a public vote.
 - 3) Take a millage increase ballot measure to the voters at some future election.
- 1) With regard to using savings Cindy looked at our savings history going back to FYE 2001. She compiled a relevant savings history summary which is included on page 4. Over the past 13 fiscal years, the four relevant funds that could be called on to contribute to this project generated, on average, \$184,812 in savings per year. Of course, as they say on T.V. and in investment prospectuses 'past performance is no guarantee of future performance'. Future savings may be more or less and can not be counted on. But if we did assume we did continue to generate \$184,812 per year going into the future it would take 37.88 years to generate 7 million dollars.
- 2) As discussed earlier the City Commission on its own action can raise our exiting 15.51 millage rate by about 0.9 mills. According to our financial consultant Paul Stauder by doing that the City could finance about 2.5 million dollars which equates to about 2.4 million in useable dollars after subtracting financing costs over twenty years. That 2.4 million dollars would fund about 34 percent of the estimated 7 million unfunded total.
- 3) Based on our estimated 7 million unfunded total, we asked Paul Stauder what millage rate would need to levied to raise that amount. Attached please find three pages (pages 5-7) from him that address this issue. A twenty year levy (the term he recommends as most acceptable to the lending industry) would require a first year

and maximum 2.70 mill rate with an estimated 2.30 mills average over the term. He also provides information for an 8 million dollar amount for the Commission's reference. We also asked Paul how much of our borrowing capacity this would use if we undertook such a project. Paul estimates that this would use 35-40 percent of our General Obligation bonding capacity leaving 60-65% unused is desired by the community for some other project(s). In short we could do two of these projects and still have available bonding capacity. This again speaks well of the City's current financial condition.

Also provided for the Commission's information is a chart (pg. 8) prepared by our City Assessor Debra Chavez that shows the cost per year for average properties in different classifications. So, for example, a homeowner with an estimated home value of \$98,738 equating to a taxable value of \$49,369 would pay \$133.30 per year maximum or \$113.55 per year average over the 20 year term based on Paul's millage analysis.

I anticipate that Ray and Debra will be present at our meeting Tuesday to help with our discussions.

Other Considerations:

-Millage history: As noted above, the City's current total millage is 15.51 mills, its lowest level in some 35 years. It has decreased steadily since reaching its recent high of 21.40 mills for a few years in the early 1990's. That included 5 mills for infrastructure improvements and 0.4 mills for the purchase of the existing City Hall complex. I believe the City has a history of being a good steward of the taxpayer's money, using it wisely and not collecting more than is necessary for current operations and reasonable future needs.

-Future cost increases: Things generally get more expensive with the passage of time, including construction of buildings. Attached please find some information from Larry Fox of C2AE showing the history of construction cost increases over time. In short, the longer we wait to do the project, the more it is likely to cost.

-Low cost of money: For the past few years the cost of borrowing money has been at historic lows. Most believe that this will not last indefinitely, possibly increasing the cost of financing if held off until some time in the future.

-Deferred maintenance: Knowing the Commission wanted to do something with our existing facilities we have to keep spending on them to a minimum so we are not spending on something that could be lost. This means there is a lot of deferred maintenance on these buildings that is catching up to us. Roofs, flooring, pavement, paint, etc. are all worn out and need to be replaced. In many cases, like roofing, we've patched to the point where it doesn't make sense to patch anymore. If these buildings are not to be replaced in the next year we should plan on spending some significant dollars on just maintaining what we have. If these buildings are going to be replaced, it seems a much better use of the taxpayers' money to spend once towards our ultimate goal versus spending twice to improve something we are going to remove. In addition one of the themes that came up during our earlier city facilities public input sessions was that our City facilities no longer meet the standard that people come to expect of Boyne City. We run the risk that they will become an even greater negative for the community as they are allowed to continue to wear down. Think back to what the building of the new High School did for character and quality of our school district and the entire Boyne community as a comparison.

-Increased utility costs: Our buildings were built during an era of low-priced energy and by an electric utility that had easy (and cheap) access to it. Over the years the City has invested time and money to make its building more efficient (windows, insulation, lights, timers, etc) but they are still very inefficient. Current code for new buildings requires at least 20 percent more efficiency than existed in the past. With us building new DPW facilities we will have more space to operate, heat and cool, with little or none of the existing space disappearing. Until we begin to retire some of our existing buildings our utilities and other costs (cleaning, plowing, insuring, etc.) are likely to increase rather than go down. Those additional costs will negatively impact

our ability to generate future savings in our various funds. Andy and Ray are working on some very rough estimates on how our utility costs could be affected in the future. I hope those will be available before Tuesday's meeting.

-In-efficient operations: Our City Hall complex was never designed for the uses it serves now. We get things done in all departments that are housed here, despite our facilities, not because of them. Wherever you look there is a lack of space, wasted space, a maze of hallways, improper storage, not properly arranged space, confusing space, and not properly secured space. We have hosted public tours of all the facilities under discussion so the public could see first hand the existing conditions. None of this has changed since then or will change until new space is built.

-Benefits of doing it all at once: There are potential cost savings by bringing crews onto our site fewer times. In addition we can minimize making temporary modifications of buildings so they continue to function between phases. The fewer the temporary modifications are that have to be constructed, the lower the total price.

There is never a good time to do the work that needs to be done or to ask the public for funds to do it. But the need to do something soon is more pressing than ever. As with the road millage the public generally supports getting value for their money and even more so when they can see actual results. We have the potential to provide the public tangible, positive results that will be a long term value to our community.

The City Commission should review and discuss the information and public input presented and determine if there is any additional information desired.

RECOMMENDATION: That the City Commission provide staff any intermediate direction on this matter while rescheduling its February 10th meeting to a noon start time so it could take any action on this matter that it desired prior the County Clerk's 4:00 p.m. deadline for submitting ballot measures for the May 5th election.

Options:

- 1) Postpone the decision for additional information and consideration.
- 2) Determine a course of action tonight.
- 3) Schedule a special meeting between now and February 10th to further review this matter.
- 4) Other options as determined by the City Commission.

Fund Balance Increase History

	GENERAL Fund		FIRE Fund		AMB Fund		Motor Pool Fund		TOTAL FUND BALANCES	
	GENERAL Fund	Change	FIRE Fund	Change	AMB Fund	Change	Motor Pool Fund	Change	FUND BALANCES	FUND BALANCES
FYE 2001	\$978,016	\$0	\$140,000*	\$0	\$0*	\$0	\$254,373	\$0	\$1,232,389	\$0
FYE 2002	\$883,738	(\$94,278)	\$217,770	\$0	\$0*	\$0	\$119,500	(\$134,873)	\$1,143,238	(\$89,151)
FYE 2003	\$747,805	(\$135,933)	\$342,869	\$77,770	\$0*	\$0	\$380,140	\$260,640	\$1,345,715	\$202,477
FYE 2004	\$811,381	\$63,576	\$426,192	\$208,422	\$0*	\$0	\$427,529	\$47,389	\$1,665,102	\$319,387
FYE 2005	\$929,975	\$118,594	\$347,303	(\$78,889)	\$42,960	\$0	\$420,245	(\$7,284)	\$1,740,483	\$75,381
FYE 2006	\$1,095,750	\$165,775	\$354,070	(\$4,434)	\$74,698	\$31,738	\$766,300	\$346,055	\$2,279,617	\$539,134
FYE 2007	\$1,466,974	\$371,224	\$402,808	\$17,084	\$124,313	\$49,615	\$343,706	(\$422,594)	\$2,294,946	\$15,329
FYE 2008	\$1,433,969	(\$33,005)	\$446,588	(\$5,883)	\$51,212	(\$73,101)	\$512,246	\$168,540	\$2,351,497	\$56,551
FYE 2009	\$1,532,070	\$98,101	\$424,141	\$48,738	\$622,040	\$570,828	\$673,622	\$161,376	\$3,230,540	\$879,043
FYE 2010	\$1,517,721	(\$14,349)	\$616,427	\$43,780	\$134,873	(\$487,167)	\$511,443	(\$162,179)	\$2,610,625	(\$619,915)
FYE 2011	\$1,446,522	(\$71,199)	\$448,392	(\$88,466)	\$104,322	(\$30,551)	\$403,512	(\$107,931)	\$2,312,478	(\$298,147)
FYE 2012	\$2,175,164	\$728,642	\$448,392	\$66,019	\$33,084	(\$71,238)	\$500,062	\$96,550	\$3,132,451	\$819,973
FYE 2013	\$2,052,058	(\$123,106)	\$448,392	\$192,286	\$141,979	\$108,895	\$519,347	\$19,285	\$3,329,811	\$197,360
FYE 2014	\$2,485,027	\$432,969	\$448,392	(\$168,035)	\$112,293	(\$29,686)	\$589,239	\$69,892	\$3,634,951	\$305,140

* Denotes included in General Fund / Fund not separate

Total Increase	\$1,507,011	\$308,392	\$69,333	\$334,866	\$2,402,562
Average	\$115,924	\$23,722	\$5,333	\$25,759	\$184,812

1/21/2015

I

CITY OF BOYNE CITY
 COUNTY OF CHARLEVOIX, STATE OF MICHIGAN
PROPOSED 2015 FACILITY BONDS
 (GENERAL OBLIGATION - UNLIMITED TAX)

SUMMARY OF BONDING PROJECTIONS

Scenario / Table	Amount of New Bonds	Election & Financing Costs	Estimated Bond Proceeds for Project	Bond Term	Estimated Interest Rate	Total Interest Cost on New Debt	Maximum Total Mills	Ballot Info for New Debt Alone	
								First Year Millage	Average Millage
<u>20 Year Bonds</u>									
Table 3a	\$7,000,000	(\$115,000)	\$6,885,000	19 yrs, 11 mos	4.25%	\$3,516,851	2.70	2.70	2.30
Table 4a	\$8,000,000	(\$160,000)	\$7,840,000	19 yrs, 11 mos	4.25%	\$4,010,394	3.11	3.11	2.62

ASSUMPTIONS:

- Bonds dated June 15, 2015
- Election May 2015
- Annual Taxable Value growth rate of 1% for 2015, 1.5%, 2.0% and 2.5% thereafter.

NOTATION:

- The interest rates used on the enclosed tables represent conservative rates. If the bonds were sold in the current market, the interest rate would be approximately 0.5% less than shown above. However, due to the fact the bond sale is at least six months away, we recommend using a conservative interest rate when computing the millage impact. Otherwise, if the interest rates rise, the City could be forced to levy a millage over the millage given in the pre-election information.

prs
01/22/15

Stauder, Barch & Associates, Inc.
 3989 Research Park Drive
 Ann Arbor, MI 48108
 (734) 668-6688 Fax #: (734) 668-6723

Table 3a 20 Year Bonds

\$7,000,000
CITY OF BOYNE CITY
COUNTY OF CHARLEVOIX, STATE OF MICHIGAN
PROPOSED 2015 FACILITY BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)

Dated: Jun 15, 15
 Delivery: Jun 15, 15
 Bond Term: 19 yrs, 11 mos
 Average Life: 11.821
 120% Useful Life of Projects: TBD
 1:5 Ratio: TRUE
 N.I.C.: 4.25%
 [2] Debt/TV: 3.89%
 [2] Debt/(TV+IFT): 3.80%

Ad Valorem T.V. Growth History			Avg Growth
2009	\$197,513,900		
2010	190,180,825	-3.71%	-1.85%
2011	184,630,417	-2.92%	
2012	180,707,199	-2.12%	
2013	178,260,973	-1.35%	
2014	179,796,939	0.86%	
July Debt Levy: 100%			

Schedule of Estimated Millage Needed to Retire Bonded Debt

Tax Year	F/Y End 6-30,	Existing UTGO Debt \$0	Interest Due		Interest Rate	Principal Due		Total P&I	Total Existing & Proposed Debt	Plus Delq. Allowance 7.00%	(Use) of Funds on Hand \$0	Net Existing Proposed Debt	Projected Txbl Value [3]	Growth Rate	Mills	
			Nov 1	May 1		May 1	Total								This Issue	for Bond Debt
2014	2015	\$0	\$0	\$0	4.250%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$184,066,339	0.86%		0.00
2015	2016	0	112,389 [1]	148,750	4.250%	205,000	466,139	466,139	35,086	0	501,225	185,907,002	1.00%	2.70	2.70	
2016	2017	0	144,394	144,394	4.250%	220,000	508,788	508,788	0	0	508,788	188,695,607	1.50%	2.70	2.70	
2017	2018	0	139,719	139,719	4.250%	240,000	519,438	519,438	0	0	519,438	192,469,520	2.00%	2.70	2.70	
2018	2019	0	134,619	134,619	4.250%	260,000	529,238	529,238	0	0	529,238	197,281,258	2.50%	2.68	2.68	
2019	2020	0	129,094	129,094	4.250%	275,000	533,188	533,188	0	0	533,188	202,213,289	2.50%	2.64	2.64	
2020	2021	0	123,250	123,250	4.250%	285,000	531,500	531,500	0	0	531,500	207,268,621	2.50%	2.56	2.56	
2021	2022	0	117,194	117,194	4.250%	295,000	529,388	529,388	0	0	529,388	212,450,337	2.50%	2.49	2.49	
2022	2023	0	110,925	110,925	4.250%	310,000	531,850	531,850	0	0	531,850	217,761,595	2.50%	2.44	2.44	
2023	2024	0	104,338	104,338	4.250%	325,000	533,675	533,675	0	0	533,675	223,205,635	2.50%	2.39	2.39	
2024	2025	0	97,431	97,431	4.250%	335,000	529,863	529,863	0	0	529,863	228,785,776	2.50%	2.32	2.32	
2025	2026	0	90,313	90,313	4.250%	350,000	530,625	530,625	0	0	530,625	234,505,420	2.50%	2.26	2.26	
2026	2027	0	82,875	82,875	4.250%	365,000	530,750	530,750	0	0	530,750	240,368,056	2.50%	2.21	2.21	
2027	2028	0	75,119	75,119	4.250%	380,000	530,238	530,238	0	0	530,238	246,377,257	2.50%	2.15	2.15	
2028	2029	0	67,044	67,044	4.250%	400,000	534,088	534,088	0	0	534,088	252,536,689	2.50%	2.11	2.11	
2029	2030	0	58,544	58,544	4.250%	415,000	532,088	532,088	0	0	532,088	258,850,106	2.50%	2.06	2.06	
2030	2031	0	49,725	49,725	4.250%	430,000	529,450	529,450	0	0	529,450	265,321,359	2.50%	2.00	2.00	
2031	2032	0	40,588	40,588	4.250%	450,000	531,175	531,175	0	0	531,175	271,954,392	2.50%	1.95	1.95	
2032	2033	0	31,025	31,025	4.250%	470,000	532,050	532,050	0	0	532,050	278,753,252	2.50%	1.91	1.91	
2033	2034	0	21,038	21,038	4.250%	490,000	532,075	532,075	0	0	532,075	285,722,084	2.50%	1.86	1.86	
2034	2035	0	10,625	10,625	4.250%	500,000	521,250	521,250	0	0	521,250	292,865,136	2.50%	1.78	1.78	
2035	2036	0	0	0	4.250%	0	0	0	0	0	0	300,186,764	2.50%	0.00	0.00	
2036	2037	0	0	0	4.250%	0	0	0	0	0	0	307,691,433	2.50%	0.00	0.00	
2037	2038	0	0	0	4.250%	0	0	0	0	0	0	315,383,719	2.50%	0.00	0.00	
2038	2039	0	0	0	4.250%	0	0	0	0	0	0	323,268,312	2.50%	0.00	0.00	
2039	2040	0	0	0	4.250%	0	0	0	0	0	0	331,350,020	2.50%	0.00	0.00	
2040	2041	0	0	0	4.250%	0	0	0	0	0	0	339,633,770	2.50%	0.00	0.00	
		\$0	\$1,740,245	\$1,776,606		\$7,000,000	\$10,516,851	\$10,516,851	\$35,086	\$0	\$10,551,937					

[1] 4 mos, 16 days interest.

[2] Includes \$0 of Existing LT debt and \$0 of Existing UT debt as of Dated Date.

[3] Includes \$4,269,400 of Equivalent IFT Valuations and Less DDA/TIFA Debt Captures of \$0

kcg

Table 4a 20 Year Bonds

\$8,000,000
CITY OF BOYNE CITY
COUNTY OF CHARLEVOIX, STATE OF MICHIGAN
PROPOSED 2015 FACILITY BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)

Dated: Jun 15, 15
 Delivery: Jun 15, 15
 Bond Term: 19 yrs, 11 mos
 Average Life: 11.795
 120% Useful Life of Projects: TBD
 1:5 Ratio: TRUE
 N.I.C.: 4.25%
 [2] Debt/TV: 4.45%
 [2] Debt/(TV+IFT): 4.35%

Ad Valorem T.V. Growth History			Avg Growth
2009	\$197,513,900		
2010	190,180,825	-3.71%	-1.85%
2011	184,630,417	-2.92%	
2012	180,707,199	-2.12%	
2013	178,260,973	-1.35%	
2014	179,796,939	0.86%	
July Debt Levy: 100%			

Schedule of Estimated Millage Needed to Retire Bonded Debt

Tax Year	F/Y End 6-30,	Existing UTGO Debt \$0	Interest Due Nov 1	Interest Due May 1	Interest Rate	Principal Due May 1	Total P&I	Total Existing & Proposed Debt	Plus Delq. Allowance 7.00%	(Use) of Funds on Hand \$0	Net Existing Proposed Debt	Projected Txbl Value [3]	Growth Rate	Mills This Issue	Mills Needed for Bond Debt
2014	2015	\$0	\$0	\$0	4.250%	\$0	\$0	\$0	\$0	\$0	\$0	\$184,066,339	0.86%		0.00
2015	2016	0	128,444 [1]	170,000	4.250%	240,000	538,444	538,444	40,528	0	578,973	185,907,002	1.00%	3.11	3.11
2016	2017	0	164,900	164,900	4.250%	255,000	584,800	584,800	0	0	584,800	188,695,607	1.50%	3.10	3.10
2017	2018	0	159,481	159,481	4.250%	280,000	598,963	598,963	0	0	598,963	192,469,520	2.00%	3.11	3.11
2018	2019	0	153,531	153,531	4.250%	300,000	607,063	607,063	0	0	607,063	197,281,258	2.50%	3.08	3.08
2019	2020	0	147,156	147,156	4.250%	315,000	609,313	609,313	0	0	609,313	202,213,289	2.50%	3.01	3.01
2020	2021	0	140,463	140,463	4.250%	325,000	605,925	605,925	0	0	605,925	207,268,621	2.50%	2.92	2.92
2021	2022	0	133,556	133,556	4.250%	340,000	607,113	607,113	0	0	607,113	212,450,337	2.50%	2.86	2.86
2022	2023	0	126,331	126,331	4.250%	355,000	607,663	607,663	0	0	607,663	217,761,595	2.50%	2.79	2.79
2023	2024	0	118,788	118,788	4.250%	365,000	602,575	602,575	0	0	602,575	223,205,635	2.50%	2.70	2.70
2024	2025	0	111,031	111,031	4.250%	385,000	607,063	607,063	0	0	607,063	228,785,776	2.50%	2.65	2.65
2025	2026	0	102,850	102,850	4.250%	400,000	605,700	605,700	0	0	605,700	234,505,420	2.50%	2.58	2.58
2026	2027	0	94,350	94,350	4.250%	415,000	603,700	603,700	0	0	603,700	240,368,056	2.50%	2.51	2.51
2027	2028	0	85,531	85,531	4.250%	435,000	606,063	606,063	0	0	606,063	246,377,257	2.50%	2.46	2.46
2028	2029	0	76,288	76,288	4.250%	450,000	602,575	602,575	0	0	602,575	252,536,689	2.50%	2.39	2.39
2029	2030	0	66,725	66,725	4.250%	470,000	603,450	603,450	0	0	603,450	258,850,106	2.50%	2.33	2.33
2030	2031	0	56,738	56,738	4.250%	490,000	603,475	603,475	0	0	603,475	265,321,359	2.50%	2.27	2.27
2031	2032	0	46,325	46,325	4.250%	510,000	602,650	602,650	0	0	602,650	271,954,392	2.50%	2.22	2.22
2032	2033	0	35,488	35,488	4.250%	535,000	605,975	605,975	0	0	605,975	278,753,252	2.50%	2.17	2.17
2033	2034	0	24,119	24,119	4.250%	555,000	603,238	603,238	0	0	603,238	285,722,084	2.50%	2.11	2.11
2034	2035	0	12,325	12,325	4.250%	580,000	604,650	604,650	0	0	604,650	292,865,136	2.50%	2.06	2.06
2035	2036	0	0	0	4.250%	0	0	0	0	0	0	300,186,764	2.50%	0.00	0.00
2036	2037	0	0	0	4.250%	0	0	0	0	0	0	307,691,433	2.50%	0.00	0.00
2037	2038	0	0	0	4.250%	0	0	0	0	0	0	315,383,719	2.50%	0.00	0.00
2038	2039	0	0	0	4.250%	0	0	0	0	0	0	323,268,312	2.50%	0.00	0.00
2039	2040	0	0	0	4.250%	0	0	0	0	0	0	331,350,020	2.50%	0.00	0.00
2040	2041	0	0	0	4.250%	0	0	0	0	0	0	339,633,770	2.50%	0.00	0.00
		\$0	\$1,984,419	\$2,025,975		\$8,000,000	\$12,010,394	\$12,010,394	\$40,528	\$0	\$12,050,923				

[1] 4 mos, 16 days interest.

[2] Includes \$0 of Existing LT debt and \$0 of Existing UT debt as of Dated Date.

[3] Includes \$4,269,400 of Equivalent IFT Valuations and Less DDA/TIFA Debt Captures of \$0

kcg

Boyer City

Projected Tax Increase - City Infrastructure Bond

Individual

	Proposed Millage Rates				Personal Property	Personal Property	Personal Property
		Commercial	Industrial	Residential	Commercial	Industrial	Utility
Average Taxable Value		113,941	255,286	49,369	8,483	467,506	864,050
Mr. Cains Request Millage	0.9000	\$102.55	\$229.76	\$44.43	\$7.63	\$420.76	\$777.65
7,000,000 Max Total Millage	2.7000	\$307.64	\$689.27	\$133.30	\$22.90	\$1,262.27	\$2,332.94
7,000,000 First Year Millage	2.7000	\$307.64	\$689.27	\$133.30	\$22.90	\$1,262.27	\$2,332.94
7,000,000 Average Millage	2.3000	\$262.07	\$587.16	\$113.55	\$19.51	\$1,075.26	\$1,987.32
8,000,000 Max Total Millage	3.1100	\$354.36	\$793.94	\$153.54	\$26.38	\$1,453.94	\$2,687.20
8,000,000 First Year Millage	3.1100	\$354.36	\$793.94	\$153.54	\$26.38	\$1,453.94	\$2,687.20
8,000,000 Average Millage	2.6200	\$298.53	\$668.85	\$129.35	\$22.22	\$1,224.87	\$2,263.81

Totals

			Personal Property	Personal Property	Personal Property	Total
Commercial	Industrial	Residential	Commercial	Industrial	Utility	
24,041,634	\$5,361,006	136,109,699	1,620,200	7,480,100	5,184,300	179,796,939
\$21,637.47	\$4,824.91	\$122,498.73	\$1,458.18	\$6,732.09	\$4,665.87	\$161,817.25
\$64,912.41	\$14,474.72	\$367,496.19	\$4,374.54	\$20,196.27	\$13,997.61	\$485,451.74
\$64,912.41	\$14,474.72	\$367,496.19	\$4,374.54	\$20,196.27	\$13,997.61	\$485,451.74
\$55,295.76	\$12,330.31	\$313,052.31	\$3,726.46	\$17,204.23	\$11,923.89	\$413,532.96
\$74,769.48	\$16,672.73	\$423,301.16	\$5,038.82	\$23,263.11	\$16,123.17	\$559,168.48
\$74,769.48	\$16,672.73	\$423,301.16	\$5,038.82	\$23,263.11	\$16,123.17	\$559,168.48
\$62,989.08	\$14,045.84	\$356,607.41	\$4,244.92	\$19,597.86	\$13,582.87	\$471,067.98

2

MEMORANDUM

TO: MICHAEL CAIN; CITY MANAGER 

FROM: ANDREW KOVOLSKI; PUBLIC WORKS SUPERINTENDENT 

DATE: 1/22/15

RE: COURT STREET ENGINEERING SERVICES AMENDMENT

As you are aware Court Street from Lynn Street to Park Street and North Lake Street from Lynn Street to Court Street is in dire need of reconstruction. This road project is in line to receive funding thru the MDOT Local Agency Task Force in 2015. This is the same funding stream utilized for the Division Street Project.

The scope of work for this project would include the following:

- Project Length – 2,900 feet
- Installation of Storm sewer near full length
- New concrete curb and gutter roadway- 28 feet back of curb to back of curb
- Sub-grade undercutting and geotextile stabilization as required
- Sub-grade drainage as required
- 2 course Asphalt paving

During engineering work for the project it was determined that the existing 18” storm pipe that runs from the Retention Pond at the intersection of N. Lake and Lynn Streets is undersized. In order to handle a 25 or 100 year storm it needs to be upsized to a 24” pipe. Along with upsizing the pipe I asked them to realign the pipe route to alleviate the slight backflow condition caused where it currently merges with the East Michigan Storm pipe. A copy of a map showing the old and proposed new pipe routes is attached for your review.

Attached to this memorandum you will find a proposal from C2AE for Engineering Services. This proposal covers Design Engineering and Construction Engineering. They propose to complete this work for a cost of \$12,500.00. C2AE estimates the construction of the additional storm sewer will cost \$74,215.00. This amount is subject to the 80% grant funding of the project meaning the city’s portion would be \$14,843.00. A copy of the Engineers Opinion of Probable Cost is attached for your review.

RECOMMENDATION:

It is my recommendation that the City Commission approve this contract amendment with C2AE for Engineering Services in the amount of \$12,500.00 and authorize the City Manager to sign the required documents. Funds for this work are available in the FYE-15 Street Department budget.

OPTIONS:

1. That this matter be postponed for further information or consideration
2. That this matter be approved subject to some revision
3. Any other option as determined by the City Commission



January 21, 2015

Mr. Andy Kovolski, DPW Superintendent
City of Boyne City
319 N. Lake Street
Boyne City, MI 49712

RE: N. Lake and Court Reconstruction Project
Amendment #1 for Engineering Design and Construction Phase Services

Dear Mr. Kovolski:

As we have discussed over the past couple weeks, we have found during the course of the design of this project that the downstream storm sewer on N. Lake Street from Silver Street to Michigan Avenue is somewhat undersized for the increased storm discharge. The existing outlet sewer has the capacity to handle a 10 year frequency storm, but larger storms may cause backup or outflow from some structures. We have discussed this with MDOT on the City's behalf and MDOT will allow the addition of this storm sewer replacement into the existing project. Also, based on our current cost opinions, the additional cost of this extra storm sewer should still fit within the original programmed construction budget, and would therefore be eligible for the 80% MDOT grant participation and within the City's original construction budget.

The addition of this section of storm sewer replacement will require additional design services outside the scope of our original contract. The construction of this storm sewer will also likely add about 10 days of additional construction time to the project, thus requiring additional construction observation and administration services. Therefore, we are respectfully requesting a budget amendment for both design and construction phase services at this time.

We propose the following added fee amendments for this work:

	Original Contract	Amendment #1	Revised Total Contract
Design Phase Services	\$46,750	\$5,000	\$51,750
Construction Phase Services	\$74,250	\$7,500	\$81,750

If this amendment is acceptable, please sign in the space provided and return one copy to our office as your authorization for us to proceed with this work.

C2AE

Engineer's Opinion of Costs

Project Number: 119358A	Project Engineer: Lawrence M. Fox, P.E.
Estimate Number: 6: 2015 ADDITIONAL STORM-TRENCH ONLY	Date Created: 1/16/2015
Project Type: Road Reconstruction	Date Edited: 1/16/2015
Location: City of Boyne City	Fed/State #:
Description: N. Lake St.: Lynn St. to Court St. Court St.: Lynn St. to N. Park St.	Fed Item:
	Control Section: STL 05009

Line	Pay Item	Description	Quantity	Units	Unit Price	Total
0001	1077060	_ Contingency(15%)	9,500.000	Dir	\$1.00	\$9,500.00
0002	1500001	Mobilization, Max. _____	1.000	LS	\$6,000.00	\$6,000.00
0003	2030011	Dr Structure, Rem	3.000	Ea	\$250.00	\$750.00
0004	2030015	Sewer, Rem, Less than 24 inch	125.000	Ft	\$8.00	\$1,000.00
0005	3020016	Aggregate Base, 6 inch	536.000	Syd	\$5.50	\$2,948.00
0006	4010012	Culv End Sect, 12 inch	1.000	Ea	\$250.00	\$250.00
0007	4020033	Sewer, CI A, 12 inch, Tr Det B	10.000	Ft	\$35.00	\$350.00
0008	4020036	Sewer, CI A, 24 inch, Tr Det B	515.000	Ft	\$60.00	\$30,900.00
0009	4030010	Dr Structure Cover, Type B	2.000	Ea	\$400.00	\$800.00
0010	4030040	Dr Structure Cover, Type G	1.000	Ea	\$375.00	\$375.00
0011	4030050	Dr Structure Cover, Type K	1.000	Ea	\$575.00	\$575.00
0012	4030210	Dr Structure, 48 inch dia	4.000	Ea	\$1,500.00	\$6,000.00
0013	4030230	Dr Structure, 72 inch dia	1.000	Ea	\$3,200.00	\$3,200.00
0014	5010005	HMA Surface, Rem	536.000	Syd	\$2.00	\$1,072.00
0015	5010703	HMA, LVSP	105.000	Ton	\$70.00	\$7,350.00
0016	8020038	Curb and Gutter, Conc, Det F4	80.000	Ft	\$20.00	\$1,600.00
0017	8020055	Shoulder Gutter, Conc, Det 1	2.000	Ea	\$350.00	\$700.00
0018	8020075	Spillway, Conc	15.000	Ft	\$35.00	\$525.00
0019	8050010	Curb Sloped, HMA	320.000	Ft	\$1.00	\$320.00

Estimate Total: \$74,215.00

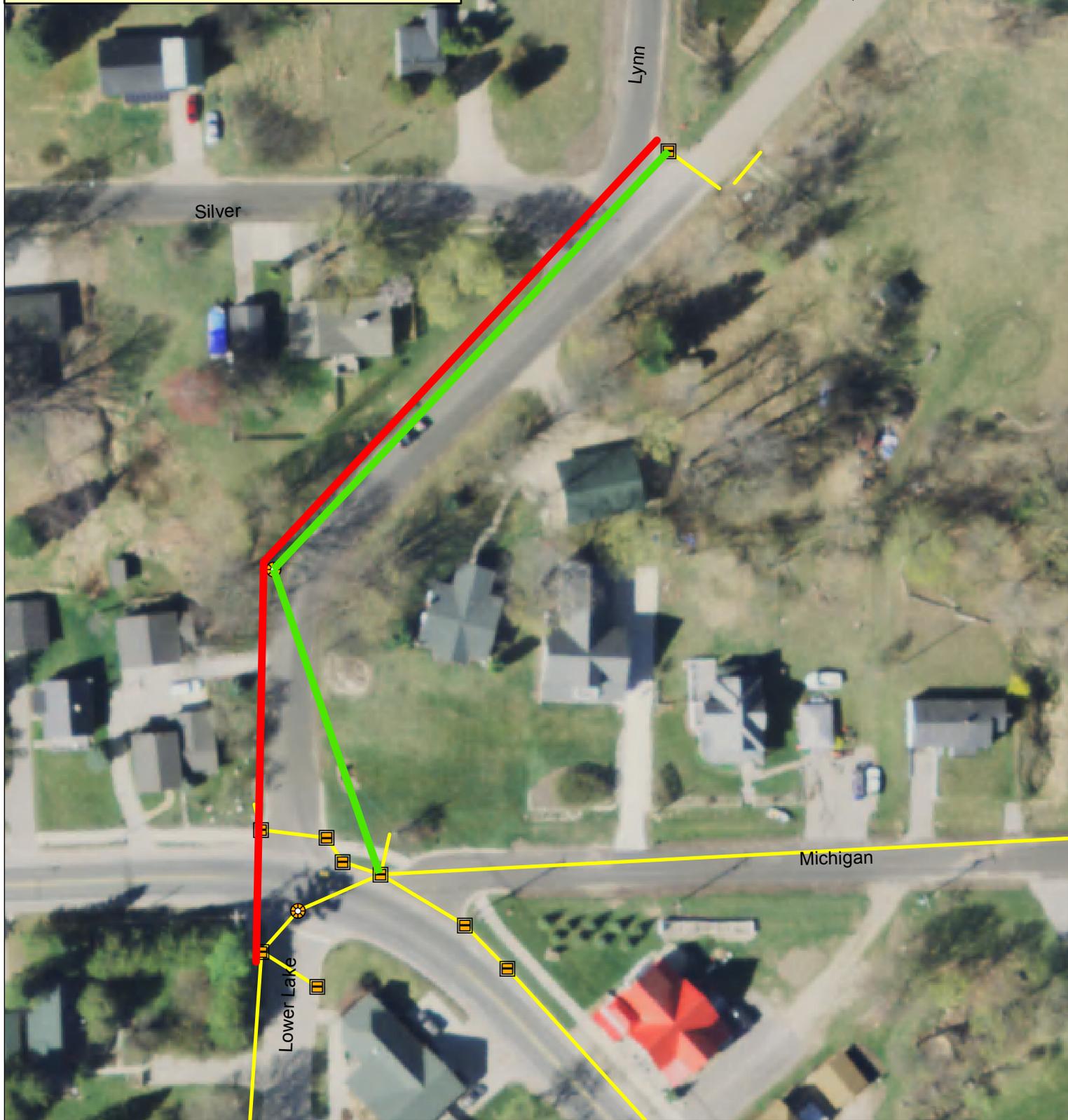
Proposed Lake Street Storm Water Improvements

- 24 inch Storm Pipe to be Installed
- 18 inch Storm Pipe to be Removed
- Existing Storm System



Proposed Lake Street Storm Water Improvements

- 24 inch Storm Pipe to be Installed
- 18 inch Storm Pipe to be Removed
- Existing Storm System





CITY OF BOYNE CITY

MEMO

To: Michael Cain, City Manager *Mc*
From: Barb Brooks, Executive Assistant *BB*
Date: January 21, 2015
Subject: National Trust for Historic Preservation Grant

The Marketing Committee, which is a subcommittee of the Main Street Program, has been exploring the idea of expanding the community's downtown walking tour. Currently there is a brochure that ties with a handful of our historic buildings in the downtown. On the buildings there are historical plaques that give a little information on the original use of the building and the year it was built.

The Marketing Committee is proposing to build on what we currently have, make it more accessible, more appealing and highlight more buildings and historic areas or events. People will be able to pick up a brochure that includes a map and listing of the buildings and sites included in the tour and a QR code that links to an audio description and history of each. The map will also designate the historic districts. Areas to include in the tour would be downtown buildings, river (*history of re-routing*), lakefront industries, shipping, excursion boats, and railroad. Some of the buildings will be showcased in the brochure with then-and now photos and histories. Each building on the tour will have a QR code displayed in the window that links to the audio tour. The Main Street website will feature the full tour with listings, photos and histories. The brochure and website will also include links and contact information to the historical museum and other history groups.

The purpose of the project is to: 1) Preserve and share our downtown history with residents and visitors 2) Offer another activity that can be done any time and at varying interactive levels 3) Attract visitors and 4) Fulfill expectations for historical preservation as a Main Street community

The National Trust for Historic Preservation offers a competitive grant and is intended to encourage preservation at the local level by providing seed money for preservation projects. The grant requires an equal match from the community. The estimated project cost is \$6,000. Main Street currently has \$3,000 earmarked in their budget for this project which will cover the match if we are successful in obtaining the grant.

Recommendation: Approve the request to submit a grant application to the National Trust for Historic Preservation in the amount of \$3,000 on behalf of the City and authorize the City Manager to sign the necessary documents to implement the grant if we are selected.

Other Options: Deny the grant application request, choose a different grant amount or other suggestions the Commission may have.

January 2015

January 2015							February 2015						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
	4	5	6	7	8	9	1	2	3	4	5	6	7
11	12	13	14	15	16	17	8	9	10	11	12	13	14
18	19	20	21	22	23	24	15	16	17	18	19	20	21
25	26	27	28	29	30	31	22	23	24	25	26	27	28

Monday	Tuesday	Wednesday	Thursday	Friday	Sat/Sun
			January 1, 2015 City Offices Closed New Years Day		8:00am Farmers Market
6:00pm Parks & Rec	5:00pm ZBA	8:00am Farmers Market	8:30am Main Street Board mtg.		8:00am Farmers Market
7:00pm City Commission	8:00am Farmers Market	5:30pm Airport Advisory Board			8:00am Farmers Market
Martin Luther King Day (United St 5:00pm Planning Commission		8:00am Farmers Market	5:00pm Chamber Annual Mtg.		Winter Fest 8:00am Farmers Market
6:00pm Count-wide Governmental Leaders mtg.	7:00pm City Commission	8:00am Farmers Market			8:00am Farmers Market

February 2015

February 2015						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

March 2015						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Monday	Tuesday	Wednesday	Thursday	Friday	Sat/Sun
					February 1
2	3	8:00am Farmers Market	8:30am Main Street Board mtg.	6	8:00am Farmers Market
					8
9	10	8:00am Farmers Market	6:00pm Parks & Rec 6:00pm Public Hearing - Recreation Plan	12	Valentine's Day (United States) Winter Tax Due Date 8:00am Farmers Market
					15
16	17	8:00am Farmers Market		19	8:00am Farmers Market
President's Day (United States) 5:00pm Planning Commission	7:00pm Historic District				22
23	24	8:00am Farmers Market	5:30pm Airport Advisory Board	26	8:00am Farmers Market
					28

March 2015

March 2015						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

April 2015						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Monday	Tuesday	Wednesday	Thursday	Friday	Sat/Sun
					March 1
2	3	4	5	6	7
	5:00pm ZBA	8:00am Farmers Market	8:30am Main Street Board mtg. 6:00pm Parks & Rec		8:00am Farmers Market
9	10	11	12	13	14
12:00pm EDC/LDFA	7:00pm City Commission	8:00am Farmers Market			8:00am Farmers Market
16	17	18	19	20	21
5:00pm Planning Commission 7:00pm Historical Commission	Saint Patrick's Day (United States)	8:00am Farmers Market			8:00am Farmers Market
23	24	25	26	27	28
	12:00pm City Commission	8:00am Farmers Market	5:30pm Airport Advisory Board		8:00am Farmers Market
30	31				