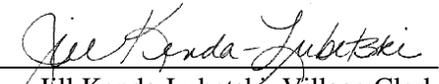


VILLAGE BOARD MEETING
Monday, December 15, 2014
Earl McGovern Board Room, 6:30 P.M.



PLEASE TAKE NOTICE that a meeting of the Brown Deer Village Board will be held at the Village Hall of the Village of Brown Deer, 4800 West Green Brook Drive, Brown Deer, Wisconsin at the above noted time and date, at which the following items of business will be discussed and possibly acted upon:

- I. Roll Call
- II. Pledge of Allegiance
- III. Persons Desiring to be Heard
- IV. Consideration of Minutes: December 1, 2014 – Regular Meeting
- V. Unfinished Business
- VI. New Business
 - A) Approve Village Board Meeting Schedule for 2015
 - B) Third Amendment to Commercial Offer to Purchase at 6700 W. Brown Deer Rd.
 - C) Intergovernmental Agreement between Milwaukee County and the Village of Brown Deer Permitting Access to Milwaukee County's Public Safety Radio System
 - D) Approve Library Equipment Upgrades and Replacements
 - E) Approve Police Department squad car purchases for 2015
 - F) ArcGIS Server Development Agreement Phase II with Reukert/Mielke
 - G) Consideration and approval of TIF No. 2 Street Re-Lighting Project
 - H) October 2014 Financial Reports
 - I) Consideration of November 2014 Vouchers
 - J) Direct Village Staff and Plan Commission to Prepare and Review a Draft Tax Incremental Financing (TIF) Project Plan and Preliminary Boundaries for an Area Generally near West Bradley Road between North 47th Street and North 50th Street
- VII. Village President's Report
- VIII. Village Manager's Report
- IX. Recess into Closed Session pursuant to §19.85(1)(c) Wisconsin Statutes for the following reasons:
 - (c) Considering employment, promotion, compensation or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility.
- X. Reconvene into Open Session for Possible Action on Closed Session Deliberations
 1. WPPA Agreement
- XI. Adjournment


Jill Kenda-Lubetski, Village Clerk
December 11, 2014

PERSONS REQUIRING SPECIAL ACCOMMODATIONS FOR ATTENDANCE AT THE MEETING SHOULD CONTACT THE VILLAGE CLERK AT LEAST ONE BUSINESS DAY PRIOR TO THE MEETING.

**JOINT MEETING
BROWN DEER SCHOOL DISTRICT AND VILLAGE BOARD
DECEMBER 1, 2014 MEETING MINUTES
HELD AT THE BROWN DEER VILLAGE HALL
4800 WEST GREEN BROOK DRIVE**

The meeting was called to order by President Krueger and School Board President at 6:03 P.M.

I. Roll Call

Village Board: Village President Krueger; Trustees: Awe, Boschert, Oates, Schilz, Springman

Excused: Trustee Baker

Also Present: Michael Hall, Village Manager; Matthew Janecke, Assistant Village Manager; John Fuchs, Village Attorney; Mike Kass, Chief of Police; Susan Hudson, Treasurer/Comptroller; Nathan Piotrowski, Community Development Director; Matthew Maederer, Public Works Director; Chad Hoier, Park & Recreation Director; Brian Williams-Van Klooster

School Board: Michael Bembenek, Dennis Griffin, Kevin Klimek, Michelle Schofield, Gary Williams and Lisa Zielinski

Excused: Leslie Galloway Sherard

Also Present: Dr. Kerr, Emily Koczela, Tosha Womack and Kortney Smith

II. Pledge of Allegiance

III. Persons Desiring to be Heard

IV. New Business

A) School Liaison Officers

Chief Kass reported that he and Dr. Kerr were developing a memo of understanding (MOU) to detail the services that will be provided to the district by the police department. When school liaison officers were introduced years ago, they were supported through federal funding. That funding has since disappeared, and the village currently bears the costs of providing liaison officers to the schools. Both boards will receive a report when the MOU is completed, and it is anticipated that it will be in place for the 2015-16 school year.

B) Bradley Crossing – Educational Impact on the School District

Emily Koczela provided the Village Board with information regarding special education students in the district. Currently, there are about 260 special needs students at a cost of \$3.5 million. Of that, 26-28% of the costs are paid for by the state of Wisconsin, about \$260,000 from the federal government. Of the 19 students who live at Bradley Crossing, nine have special needs. Two of those students require private placements due to the severity of their disabilities (one costs \$100,000/year), and three require personal aides to be with them at all times at a cost of \$29,000 each. The district expects the costs associated with special education students from Bradley Crossing to double when the next phase of the development opens.

C) Algonquin School Property

Nate Piotrowski presented information regarding the creation of a new TID district that could potentially include the former Algonquin school property. This would replace a portion of the current TID #2 which

will retire in 2019. The Algonquin property is the largest single parcel in the village that has not been developed, and the hope is that it could be used for single family homes. There is no imminent development deal for the property, but discussions will continue between the two boards.

D) Safe Routes to School Update

Construction on Dean Road and the new sidewalk is nearing completion, but some aspects, including striping of the road, will be delayed until spring of 2015. As a result, the district will not be able to alter the busing map until spring at the earliest. The current budget status of the project is not yet known. It is hoped that any remaining funds can be used to complete an asphalt path from the old Dean School parking lot to the Elementary School.

E) Parking at Brown Deer Elementary – Parking on Dean Road

The district has asked the village to allow parking on the south side of Dean Road, especially during parent drop-off/pick up and potentially special events. Village Board members expressed concerns about student safety. More information will be gathered and discussion will continue.

F) Our Brown Deer Magazine

The Village Board is concerned about the equitable distribution of the cost of publishing the Our Brown Deer magazine. Currently, each issue costs about \$14,000, with about \$5,000 coming from advertising and \$2,000 coming from the district. More discussion will continue.

G) Utilization of School Facilities for Park and Recreation Department

Concerns were expressed regarding the ability of the Park & Recreation Department to access school facilities for current and new programming. The use of a coordinated calendar was discussed. The district will be providing the Village Board with additional information detailing the usage of the facilities by the district. District and Village staff will continue to meet to resolve any issues.

V. Brown Deer School District Adjournment

It was moved by Ms. Zielinski and seconded by Mr. Klimek to adjourn the school district portion of the meeting at 7:47 p.m. The motion carried unanimously.

VI. Meeting with the Village Board

VII. Consideration of Minutes: November 17, 2014 – Regular Meeting

It was moved by Trustee Schilz and seconded by Trustee Boschert to approve the minutes from the November 17, 2014 - Regular Meeting, amending Trustee Oates presence at the meeting. The motion carried unanimously.

VIII. Unfinished Business

A) Discussion of Additional Funding for Board/Court Room Remodel

Mr. Hall announced Staff was able to find additional funding for other needed improvements to the Board Room from Capital Projects that came in under budget. He continued to update the Board with the changes have been made since the last discussion

IX. New Business

A) Resolution No. 14-, “North Shore Fire Department Funding Formula”

President Krueger clarified the resolution is for the fee schedule for the North Shore Fire Department and not the distribution of funding for the North Shore communities.

It was moved by President Krueger and seconded by Trustee Oates to adopt Resolution No. 14-, “North Shore Fire Department Funding Formula”. The motion carried unanimously.

B) Resolution No. 14-, “Resolution Approving Partial Release of Existing Water Main Easement and Grant of Replacement Water Main Easement”

Attorney Fuchs announced the resolution is to move an existing easement to accommodate the Lighthouse project. This merely fine tunes the drawings by the surveyors but needs to be approved by resolution.

It was moved by Trustee Schilz and seconded by Trustee Springman to adopt Resolution No. 14-, “Resolution Approving Partial Release of Existing Water Main Easement and Grant of Replacement Water Main Easement”. The motion carried unanimously.

C) Discussion of DOT Project at Green Bay Road and Brown Deer Road

Mr. Hall announced the DOT would like to reexamine a few earlier options to the interchange presented earlier in the initial phases of the discussion. Mr. Piotrowski announced the DOT has a new project manager that would like to analyze previous options for the intersection. It is the consensus from Staff, none of the options get at the original intentions of the decision by the Village Board. The Village Board unanimously decided these options for the intersection are no better than at-grade and directed staff to reaffirm their original decision.

It was moved by President Krueger and seconded by Trustee Springman to direct staff to reaffirm the Village Board’s original intent for at-grade for the intersection at Green Bay Road and Brown Deer Road. The motion carried unanimously.

D) Second Amendment to Lease Agreement for Village Hall Cell Tower

Mr. Janecke announced he was approached by the American Tower Corporation to extend the lease agreement for the tower behind Village Hall. Staff agreed the terms of the amendment are favorable to the Village. Highlights of the amendment include: additional (4) 5-year renewal with the annual rent to the Village is \$20,000, effective immediately; 3% escalator per year beginning in 2015; and a one-time signing bonus of \$40,000.

It was moved by Trustee Awe and seconded by Trustee Springman to approve the Second Amendment to Lease Agreement for Village Hall Cell Tower. The motion carried unanimously.

E) Burlington Coat Factory Holiday Hours

Mr. Janecke reported Burlington Coat Factory is asking permission from the Village Board to remain open until 12:00 a.m. midnight from December 12th through December 23rd.

It was moved by President Krueger and seconded by Trustee Springman to approve the request from Burlington Coat Factory Holiday Hours. The motion carried 5-1, with Trustee Oates voting in opposition.

X. Committee Appointments

It was moved by President Krueger and seconded by Trustee Schilz to reappoint Ann Griffin to the 4th of

July Committee and Ken Harmon to the Water Commission. The motion carried unanimously.

XI. Village President's Report

Village President Krueger reported on the following:

No report

XII. Village Manager's Report

Village Manager reported on the following:

Meeting with the Village Board at River Lane after the next Board Meeting

WPPA contract presentation at next meeting

XIII. Recess into Closed Session pursuant to §19.85(1) (d) Wisconsin Statutes for the following reasons:

- (g) Conferring with legal counsel for the governmental body who is rendering oral or written advice concerning strategy to be adopted by the body with respect to litigation in which it is or is likely to become involved.

1. Original Village Judgment/Costs - Collection

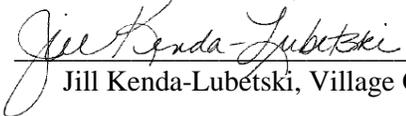
It was moved by Trustee Springman and seconded by Trustee Awe to recess into Closed Session at 8:33 p.m. The motion carried unanimously.

It was moved by Trustee Schilz and seconded by Trustee Springman to reconvene into Open Session at 8:43 p.m. The motion carried unanimously.

XIV. Reconvene into Open Session for Possible Action on Closed Session Deliberations

XV. Adjournment

It was moved by Trustee Springman and seconded by Trustee Schilz to adjourn at 8:44 p.m. The motion carried unanimously.



Jill Kenda-Lubetski, Village Clerk



REQUEST FOR CONSIDERATION

COMMITTEE:	Village Board
ITEM DESCRIPTION:	2015 Village Board Meeting Tentative Schedule
PREPARED BY:	Jill Kenda-Lubetski, Village Clerk
REPORT DATE:	December 1, 2014
MANAGER'S REVIEW/COMMENTS:	<input type="checkbox"/> No additional comments to this report. <input type="checkbox"/> See additional comments attached.
RECOMMENDATION:	To approve a 2015 Village Board Meeting Schedule.
EXPLANATION:	<p>Attached is a tentative schedule for 2015 Village Board meetings. In the past, the months of January and September have included only one meeting date. Also, the Village Board has typically not met the first meeting in July. Currently, the Tentative Schedule includes two meetings in January, plus a meeting the first week of July, but this can all be modified based on the Village Board's preference.</p> <p>As a reminder, the third Monday of January is always observed as Martin Luther King Jr. Day, and the third Monday of February is always observed as Presidents' Day.</p> <p>I would like the Board to review the proposed tentative dates and determine when they would like to meet, paying particular attention to the months of January and July. If the remainder of the schedule is acceptable, I would recommend approval of the schedule.</p>

VILLAGE BOARD MEETINGS

2015 Tentative Date Schedule

January 5
January 19
February 2
February 16
March 2
March 16
April 6
April 20
May 4
May 18
June 1
June 15
July 6
July 20
August 3
August 17
September 21
October 5
October 19
November 2
November 16
December 7
December 21

All meetings scheduled are on Monday and will meet in the Earl McGovern Board Room at 6:30 P.M.

ATTORNEYS AT LAW

JOHN F. FUCHS
COURT COMMISSIONER
REBECCA D. BOYLE
COURT COMMISSIONER

MEMORANDUM

TO: CDA

FROM: John F. Fuchs

RE: Third Amendment to Commercial Offer to Purchase – AM TV

DATE: December 10, 2014

The CDA previously extended the deadline for the American TV purchase to allow Mr. Schlueter to potentially develop it privately, possibly with some incentive from the CDA. That remains the preference of Staff. A Third Amendment extending the deadline further is attached for your consideration and approval.

**THIRD AMENDMENT TO
COMMERCIAL OFFER TO PURCHASE**

This Agreement made by and between the Community Development Authority of the Village of Brown Deer, hereinafter “CDA”, and American Property Acquisition, LLC, hereinafter “APA”, for the purpose of amending a commercial offer to purchase by and between the parties dated April 21, 2014, and pertaining to the property commonly known at 6700 W. Brown Deer Road, in the Village of Brown Deer, Milwaukee County, Wisconsin (the “Property”).

WHEREAS, the parties have entered into a commercial offer to purchase the Property, effective April 21, 2014, in which CDA is buyer and APA is seller (the “Offer”), and

WHEREAS, the parties are in mutual accord that it is in the interest of both parties that APA, for a period of time, proceed with its current conceptual plans for the redevelopment of the property.

NOW, THEREFORE, in consideration of the mutual promises granted herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed as follows:

1. In the event APA submits and does not revoke plans for redevelopment for the Property, which plans are given all such zoning, use, and occupancy approvals as necessary to accommodate redevelopment of the Property by February 16, 2015, then the Offer shall be deemed null and void, and the parties agree to execute any additional documents reasonably necessary to memorialize that the Offer has been rescinded.
2. In any other event, CDA shall be obligated to close upon the terms and conditions contained in the Offer.

3. CDA agrees that use approvals will not be unreasonably withheld or denied in any way for the purpose of avoiding rescission of the Offer.

4. Except as expressly amended herein, all terms and conditions contained in the Offer remain unchanged.

Community Development Authority
Village of Brown Deer, Wisconsin

Dated: _____

Carl Krueger, its Chairman - Buyer

American Property Acquisition, LLC

Dated: _____

Seller

**INTERGOVERNMENTAL AGREEMENT
MILWAUKEE COUNTY AND THE _____ OF _____
PERMITTING ACCESS TO MILWAUKEE COUNTY'S
PUBLIC SAFETY RADIO SYSTEM**

THIS AGREEMENT is entered into pursuant to Section 66.0301, Wisconsin Statutes, between Milwaukee County, a municipal body corporate (hereinafter referred to as "COUNTY"), and the _____ of _____, a municipal body within the County of Milwaukee, State of Wisconsin (hereinafter referred to as "SUBSCRIBER"), permitting the use of Milwaukee County's Public Safety Radio System as defined herein. Together, COUNTY and SUBSCRIBER shall be referred to as "PARTIES".

1. STATUS

1.1 In recognition of SUBSCRIBER's intended long term participation with COUNTY's Public Safety Radio System; which is a direct replacement of the COUNTY's existing analog Project 16 trunked radio system, which shall be initially deployed as described in Section 5.2, and which may be expanded or replaced as described throughout this Agreement; and in consideration of public safety and coordination of services between COUNTY and SUBSCRIBER to the mutual benefit of both PARTIES, SUBSCRIBER is entitled to:

1.1a Use COUNTY's Public Safety Radio System for a minimum period of Fifteen (15) years from the date of execution of this AGREEMENT with option of Two (2) Five (5) year automatic renewals. All provisions of this AGREEMENT are applicable to the original term thereof and shall apply with equal force to the extended term. Should SUBSCRIBER elect not to execute the option for renewal, a six (6) month written notice to COUNTY will be required.

1.1b Prompt access, upon execution of the AGREEMENT, for the quantity of radios described in Exhibit A, "Initial and Growth Loading onto COUNTY's Public Safety Radio System". Exhibit A may be modified at any time upon mutual consent of the PARTIES.

2. ACCESS

2.1 The PARTIES agree that reliable, efficient operation of the Public Safety Radio System is a mutual objective. If high system usage should ever create a condition where public safety radios receive a system busy signal, public safety radios will preempt any other radio system users for the next available system access. To maintain a reliable system, COUNTY will manage and control access to the system.

2.2 Except for cases of Mutual Aid (which shall be defined by the Governance Board, herein after defined in Section 8), access to COUNTY's

Public Safety Radio System shall be limited to radio units assigned to designated staff, departments, and agents of SUBSCRIBER.

2.3 COUNTY may periodically monitor talk groups allocated to SUBSCRIBER for SUBSCRIBER's internal use for system management purposes including but not limited to maintenance, troubleshooting, system performance assessments, unusual traffic patterns (sudden jump in usage), policy and procedure compliance checks, etc.

3. USAGE FEES

3.1 Commencing January 1, 2015, and each year thereafter, on an annual basis, SUBSCRIBER shall submit to the COUNTY a usage fee (hereinafter referred to as "FEE") for the use of the COUNTY's Public Safety Radio System. FEE structure is identified herein, Exhibit B, "System Usage Fee Structure".

3.2 Subscriber agencies executing this Agreement after January 1, 2015 will pay retroactive FEES equal to the amount from January 1, 2015 to the date the Subscriber joins the County's Public Safety Radio System. No penalties will be applied. COUNTY reserves the right to exempt Subscriber Agency from retroactive FEES.

3.3 Commencing January 1, 2020, and each year thereafter, the FEE may be adjusted by COUNTY based on the percentage increase or decrease in the January Consumer Price Index (All Urban Consumers) for the Milwaukee area, as published by the U.S. Department of Labor, Bureau of Labor Statistics, or the generally accepted national replacement or successor index, as readjusted to the base month and computed by comparison of the January index with the index of the preceding January.

4. CAPITAL IMPROVEMENT FUND

4.1 For the purpose of this AGREEMENT, the Capital Improvement Fund (hereinafter referred to as the "FUND"), is a segregated fund that is under the

control of the Public Safety Radio System Governance Board (hereinafter defined in section 8). The FUND shall be used for the purpose of the betterment or replacement of the Public Safety Radio System and not for the use or sole and direct benefit of the COUNTY, SUBSCRIBER or other entity using the Public Safety Radio System. Financial contribution to said FUND is outlined in Exhibit B, "Capital Improvement Fund Fee Structure". FUND allocation will be contingent on a five (5) year Capital Plan approved by the Governance Board.

4.2 The PARTIES mutually agree to share the expense for the enhancement of and eventual replacement of the Public Safety Radio System, to be initially deployed as described in Section 5.2, throughout the Term of this Agreement.

4.3 Commencing January 1, 2018, and each year thereafter, on an annual basis, PARTIES will submit payments to the public safety Capital Improvement Fund. PARTIES will continue making such payments annually until a unanimous decision of the Governing Board agrees otherwise. Each SUBSCRIBER agency executing this AGREEMENT after January 1, 2018 shall be financially responsible for retroactive Capital Improvement Fees as of January 1, 2018 at the rate outlined in Exhibit B.

4.4 The Governance Board, from time to time, may review and recommend modifications to the FUND fee structure for the purpose of system upgrades, enhancements and/or replacement of the Public Safety Radio System. Modification to the FUND fee structure shall be mutually agreed upon by the PARTIES and shall be in writing, designated as a written amendment to the AGREEMENT.

4.5 The Governance Board will allocate monies from the FUND in order to procure contracted services to identify system requirements for both PARTIES, and perform planning, design and analysis in preparation for the Project 25 system replacement. Such services herein described, Section 4.5, will begin no later than the first quarter of 2028. New system build will commence upon approval of the Governance Board and the appropriate and necessary approvals of each PARTY.

4.6 If Milwaukee County ceases to operate a Public Safety Radio System, the Capital Improvement Fund will be dissolved and The Governance Board will recommend the proportional disposition of the Fund balance, if applicable, and seek the appropriate and necessary approval of the SUBSCRIBER and COUNTY authorities prior to disbursement

5. EQUIPMENT

5.1 COUNTY shall own and maintain the fixed Public Safety Radio System infrastructure, e.g.,

trunking controller, trunking base stations, trunking antenna systems, and certain other common system elements.

5.2 It is agreed at the time of execution of this AGREEMENT that the Public Safety Radio System will be an 800MHz Project 25 trunked radio system will be deployed with nine (9) transmit/receive sites operating in a simulcast transmission mode. It may be later expanded or replaced as described throughout this Agreement.

5.3 Mobiles, portables, radio control stations, and certain other peripheral equipment used by SUBSCRIBER to access COUNTY's Public Safety Radio System (collectively referred to "SUBSCRIBER RADIOS" or "USER RADIOS") shall be paid for and owned by SUBSCRIBER. COUNTY shall permit SUBSCRIBER to optionally purchase Subscriber Radios needed to satisfy SUBSCRIBER's communications requirements through COUNTY's cooperative purchasing vendor agreement "Contract for Service #1332". All SUBSCRIBER RADIO equipment or software so owned by SUBSCRIBER shall meet COUNTY's specifications (as defined by Exhibit D, "Project 25 Trunked Radio System Subscriber Radio Compliance Requirements" or the Exhibit's direct future replacement as provided by signed amendment to this Agreement) and shall become part of SUBSCRIBER's inventory.

5.4 Dispatch consoles used by SUBSCRIBER to access COUNTY's Public Safety Radio System shall be owned by SUBSCRIBER. COUNTY shall permit SUBSCRIBER to optionally purchase wireline dispatch consoles needed to satisfy SUBSCRIBER's dispatch requirements through COUNTY's vendor agreement as approved by the vendor, however, all wireline dispatch consoles shall be of the model and provide the same electronic interface as those specified in "Contract for Service #1332". All dispatch equipment or software so owned by SUBSCRIBER shall become part of SUBSCRIBER's inventory. SUBSCRIBER shall be responsible for providing (including all costs to deploy and to operate and maintain) backhaul from the dispatch consoles to the Public Safety Radio System's shared core site at 2120 Davidson Road, Waukesha, WI. Backhaul requirements and specifications shall be provided by COUNTY vendor to SUBSCRIBER.

6. COUNTY'S RESPONSIBILITY

6.1 COUNTY agrees to purchase and install a Public Safety Radio System, to be initially deployed as described in Section 5.2 and to be expanded or replaced as described throughout this Agreement, for the use of COUNTY, SUBSCRIBER

and other contracted public safety and non-public safety agencies.

6.2 COUNTY is solely responsible for budget requests and appropriations, system contracts and for the standards of service relating to the deployment of the Public Safety Radio System.

6.3 COUNTY shall be responsible for FCC licensing for the Public Safety Radio System. COUNTY will solely hold the channel frequency licenses for county-wide public safety purposes.

6.4 COUNTY shall be responsible for maintaining operational quality and continuity of the initial deployment of Public Safety Radio System, as described in Section 5.2, according to the following provisions of its agreement "Contract for Service #1332": i) system availability (including normal operations as well as limited-failure modes of operation such as "fail-soft") of 99.999% and ii) talk-in and talk-out service area coverage reliability at a delivered audio quality (DAQ) level of 3.4 for a portable radio (with specifications that meet Exhibit D) on a swivel clip at belt level in 15 dB density buildings across the service area of the political boundary of Milwaukee County. COUNTY shall take reasonable and customary measures to ensure that quality diminishment and service interruptions are minimized. When system outages can be forecast or scheduled, COUNTY agrees to notify SUBSCRIBER 48 hours in advance. COUNTY agrees to permit SUBSCRIBER radios accessing the trunked radio system to utilize "fail-soft" capabilities of the network to maintain critical communications continuity with reduced talk-group capacity in the event of a trunked radio system outage.

6.5 COUNTY agrees that if more favorable terms are developed for use of COUNTY's Project Public Safety Radio System²⁵ trunked radio system that those terms will be made available to both PARTIES upon signed amendment to this AGREEMENT.

6.6 Milwaukee County shall maintain its current funding level, plus applicable increases as identified in Section 3.3 herein. In recognition that additional municipalities or additional user agencies sign an Agreement with the COUNTY for long term participation in the Public Safety Radio System, it is understood that the County shall first have the right to recoup the additional operating costs beyond the County's current financial obligation and those not being covered by the Subscribers to the system. The remaining monies above the annual operating costs shall be placed in the Capital Improvement Fund.

6.7 COUNTY will manage and administer the System database records containing the information related to inventory, configuration, programming history, software version control, radio

IDs, service levels, statistical usage analysis, etc. for SUBSCRIBER's subscriber radios used on the System.

6.8 COUNTY will provide a System Key to SUBSCRIBER should SUBSCRIBER agree to the provisions in and meet the requirements of Exhibit E, "Radio System Key Agreement". For the duration that a System Key is held by SUBSCRIBER, it shall be recognized as the property of the COUNTY and use of it shall be entirely governed by Exhibit E.

7. SUBSCRIBER'S RESPONSIBILITY

7.1 The PARTIES agree that SUBSCRIBER will utilize COUNTY's Public Safety Radio System for purposes which are consistent with this AGREEMENT and in accordance with public safety purposes as defined by Title 47 of the Code of Federal Regulations (CFR) Part 90 Private Land Mobile Radio Services §90.20 Public Safety Pool or the appropriate section of CFR that pertain to the use of the frequencies and/or technologies of the Public Safety Radio System's direct future replacement.

7.2 SUBSCRIBER agrees to designate an official as a contact person for policy issues and a staff member as a contact person for technical matters. The contact information for that person is as follows:

Name: _____
Title: _____
Address: _____
Phone #: _____
Email: _____

7.3 SUBSCRIBER shall be responsible for acquiring, installing, maintaining, and operating its equipment according to the terms of this AGREEMENT and consistent with applicable FCC rules. SUBSCRIBER shall likewise be responsible for all costs associated with programming, installing, templating, and otherwise preparing such subscriber radios for service.

7.4 SUBSCRIBER agrees to train its users on proper and appropriate use of the Public Safety Radio System using training content consistent with that provided by COUNTY to its users. SUBSCRIBER may request from COUNTY's vendors (at no cost to COUNTY) recommendations and source material for inclusion in the user training administered by SUBSCRIBER staff.

7.5 The PARTIES agree that if in-building portable radio coverage is required to serve SUBSCRIBER's needs beyond those defined in paragraph 5.2 above, the design, procurement,

installation, and maintenance of additional equipment or software to achieve those coverage levels shall be the sole responsibility of SUBSCRIBER and shall not compromise the operation of COUNTY's Public Safety Radio System.

7.6 Except for cases of Mutual Aid (which shall be defined by the Governance Board), SUBSCRIBER shall not permit any party other than those identified in Exhibit A to access COUNTY's Public Safety Radio System without the prior written consent of the COUNTY.

7.7 Except for cases of Mutual Aid (which shall be defined by the Governance Board, herein after defined in Section 8) records of SUBSCRIBER's radios eligible for participation on COUNTY's Radio System shall be maintained by SUBSCRIBER staff in accordance with SUBSCRIBER's formal equipment inventory procedure with a copy furnished to COUNTY. The PARTIES agree to collaborate to ensure the accuracy of the inventory. Annually, on the day SUBSCRIBER's inventory is due, SUBSCRIBER shall notify COUNTY of the number of radios in use. Each Subscriber Radio recorded in the inventory shall be counted as one access unit and shall count towards the total number of permitted units identified in Exhibit A.

7.8 SUBSCRIBER agrees to operate its equipment in accordance with the operational and technical standards and procedures of the Milwaukee County Public Safety Radio System Governance Board.

7.9 Should SUBSCRIBER agree to the provisions in and meet the requirements of Exhibit E, "Radio System Key Agreement", SUBSCRIBER shall receive and use any and all System Keys according to the terms of Exhibit E.

7.10 COUNTY shall enforce all provisions in Section 7 to COUNTY departments and divisions using the Public Safety Radio System.

8. GOVERNANCE BOARD

Exhibit F attached hereto describes the Governance Board that the Parties agree shall create and publish administrative plans and procedures regarding the usage, membership, operations, maintenance, and upgrade of the Public Safety Radio System. By signing this Agreement the Parties consent to be bound by the Governance Board's plans, policies, and procedures. Additionally, the Governance Board shall provide guidance on such matters as: long range system planning and improvements, problem solving and dispute resolution, system expansion, process for joint purchasing of new system, network quality and performance, and other such matters that may arise from time to time.

9. LIMITATIONS

9.1 Nothing in this AGREEMENT shall prevent SUBSCRIBER from applying for or securing licenses on other FCC licensed radio channels to supplement the Public Safety Radio System's communications as may be determined to be essential to SUBSCRIBER's operations provided that operation of these supplementary systems does not compromise proper operation of COUNTY's Public Safety Radio System.

9.2 If it is determined that Public Safety Radio System upgrades are essential to further SUBSCRIBER's objectives, SUBSCRIBER may elect to invest funds to facilitate these system upgrades. System upgrades funded by SUBSCRIBER will require the approval of the Governance Board.

9.3 No party to this AGREEMENT may assign its interest in this AGREEMENT to any other party or individual.

10. TERMINATION

10.1 Either party's right to terminate this AGREEMENT shall be only for-cause if either party fails to fulfill its obligations under the terms of the AGREEMENT. Either shall give written notice of intent to terminate the AGREEMENT for-cause at least 180 days prior to the effective date of termination during which the alleged breach may be cured.

10.2 Notwithstanding the above, COUNTY may immediately terminate SUBSCRIBER's ability to access the Public Safety Radio System should SUBSCRIBER fail to meet the obligations of Sections 3.1, 4.3, 5.3, 7.1, 7.3, 7.7, and 7.9 of this AGREEMENT. Should SUBSCRIBER's access be terminated, it shall be solely responsible for: i) any and all costs associated with reconfiguring, replacing, or reprogramming its subscriber radio and/or dispatch console equipment to operate on another radio system, ii) the costs associated with damages to the radio system caused by SUBSCRIBER's direct action resulting in its immediate termination

10.3 In the event of termination for cause of either PARTY, breaching PARTY agrees to pay all use FEES as well as Capital Improvement Fund fees for those periods prior to its termination. Fees paid to the FUND, up to the point of termination, are non-refundable and will remain deposited into the Capital Improvement Fund.

11. LIABILITY

Subject to the provisions of Wisconsin statutory and case law, SUBSCRIBER and COUNTY hereby indemnify and shall defend and hold the other harmless for actions by each party's respective employees, agents, or authorized representatives and against any and all suits, actions, legal or administrative proceedings, claims, demands, damages, and liabilities arising out of the injury or death of either party's employees, agents, or authorized representatives caused, occasioned, or contributed to in whole or in part, by reason of any act, omission, fault or negligence whether active or passive of either party or of its agents or anyone acting under their direction or control or on their behalf in connection with or incidental to the performance of this AGREEMENT. Each party's aforesaid indemnity and hold harmless obligations, or portions or applications thereof, shall apply even in the event of the fault or negligence, whether active or passive, of the party indemnified to the fullest extent permitted by law but in no event shall they apply to the liability caused by the sole negligence or willful misconduct of the party indemnified or held harmless.

12. IMMUNITY

All Parties to this Agreement are governmental entities entitled to immunities, including those in Section 893.80, Wisconsin Statutes. Nothing contained herein shall waive the rights and defenses to which each Party may be entitled under law, including but not limited to the immunities, limitations and defenses under Section 893.8, Wisconsin common law or other statutes.

13. DISPUTES

Both PARTIES shall attempt to resolve disputes informally as they arise. In the event that informal dispute resolution is unsuccessful, either party may bring the dispute before a third party mediator for consideration and final resolution. Nothing in this dispute resolution process shall preclude either party from pursuing remedies available under the law.

14. CHANGES

Changes to this AGREEMENT will be mutually agreed upon by and between the COUNTY and the SUBSCRIBER and shall be in writing and designated as written amendments to the AGREEMENT.

15. NOTICES

Notices to COUNTY provided for in this AGREEMENT shall be sufficient if sent by certified or registered mail, postage prepaid, addressed to: Milwaukee County, Department of Administrative Services, Information Management Services Division, 2711 West Wells St, Milwaukee, Wisconsin, 53208, Attn: IMSD Manager. Notices to SUBSCRIBER shall be sufficient if sent by certified or registered mail, postage prepaid, addressed to:

Name: _____
Title: _____
Address: _____
Phone #: _____
Email: _____

Signature Page to Follow:

EXHIBIT A

**INITIAL AND GROWTH LOADING
Milwaukee County Public Safety Radio System
____ of ____ Participation**

Below please list any/all quantities of subscriber radios, by Agency, for initial and growth (future) loading:

Agency	Item Description	Initial Loading	Growth Loading
City of ____ Police	Total Subscriber Radios:		
City of ____ Fire	Total Subscriber Radios:		
City of ____ DPW	Total Subscriber Radios:		

Below please list any/all quantities of dispatch consoles to be connected

EXHIBIT B

SYSTEM USAGE FEE AND CAPITAL IMPROVEMENT FUND FEE STRUCTURE
Milwaukee County Public Safety Radio System
___ of ___ Participation

___ of ___ shall pay COUNTY a sum for per active subscriber radio per month. An active subscriber radio is one whose identifier (ID) is authorized for use on system for use on ___'s daily-use talk groups.

Additionally, ___ of ___ shall pay COUNTY a sum for per active subscriber radio per month. Fee will be maintained in a segregated fund for the use of system enhancement and replacement. An active subscriber radio is one whose identifier (ID) is authorized for use on system for use on ___'s daily-use talk groups.

Usage and Capital-Improvement Fund Fee Structure is as follows:

Year	Usage Fee Per Radio Per Month	Capital Improvement Fund Fee Per Radio Per Month	Total Fee Per Radio Per Month
2014	\$0	\$0	\$0
2015	\$2	\$0	\$2
2016	\$5	\$0	\$5
2017	\$9	\$0	\$9
2018	\$12	\$2	\$14
2019	\$14	\$3	\$17
2020		\$4	\$18*
2021	\$14*	\$5	\$19*
2022 and beyond		\$5 **	\$19***

* - FEE may be adjusted by COUNTY for an applicable increase as identified in Section 3.3 herein

** - Unless mutually agreed to in writing by both PARTIES to increase fee for just cause. Just cause would be considered a system enhancement, upgrade or system replacement as approved by the Governing Board.

Payments shall be made annually, commencing January 1, 2015. Payments shall be made via check written to "Milwaukee County Treasurer" and submitted to:

Milwaukee County IMSD
C/o Radio Administrator
2711 West Wells Street
Milwaukee, WI 53208

EXHIBIT C

RESERVED

EXHIBIT D

PROJECT 25 TRUNKED RADIO SYSTEM SUBSCRIBER RADIO COMPLIANCE REQUIREMENTS
Milwaukee County Public Safety Radio System
____ of ____ Participation

Waukesha County



And

Milwaukee County



**PROJECT 25 TRUNKED RADIO SYSTEM
SUBSCRIBER RADIO COMPLIANCE REQUIREMENTS**

Version: April 18, 2014



**Waukesha County and Milwaukee County
Project 25 Trunked Radio System**



Overview and Scope

This document describes the technical specifications to which subscriber radios (also referred to as “user radios”, “portable radios” and “mobile radios”) that are to operate natively on the Waukesha County and Milwaukee County Project 25 Trunked Radio System (referred to as “the system”) that must comply.

No model of subscriber radio shall be allowed to operate on the system until and unless the following conditions are met:

- 1) The manufacturer or vendor of the subscriber radio states in writing (see Exhibit B) that they comply with the full requirements of the specifications included in this document, referred to together as “the compliance specifications” and listed in Exhibit A, and
- 2) Certification testing has been successfully completed by Waukesha County and Milwaukee County (referred to as “the Counties”) to demonstrate that the subscriber radio model does indeed meet the compliance specifications.

Detailed procedures for certification testing shall be developed and provided in a separate document but they shall be limited to testing only those compliance specifications included in this document.



Important Note:

The contents of this document are the technical specifications that are required for a subscriber radio model to be allowed to operate natively on the system. Any statement that a specific subscriber radio model does comply with these requirements should in no way be interpreted as an endorsement by Waukesha County, Milwaukee County, or their representatives. Agencies, departments, or other organizations that procure new radio models to operate on the system must evaluate all compliant subscriber radios (i.e., those that successfully complete the processes described in this document) and they and the vendor of that subscriber radio model shall be responsible for ensuring that all procured subscriber radios meet their requirements for functionality, durability, and overall fit to their operations. Compliance with these minimum requirements for access to the system is in no way a guarantee that a compliant subscriber radio model will provide the coverage or performance necessary to satisfy the individualized needs of an organization when used on the system.

References and Terms

This document references Waukesha County’s Request for Proposals (RFP) #1332 as released on April 12, 2013, as amended three times, and as posted at the following Waukesha County website: <https://purchasing.waukeshacounty.gov>.



**Waukesha County and Milwaukee County
Project 25 Trunked Radio System**



This document references the Telecommunications Industry Association's TIA-102 series on Land Mobile Communications Radio Land Mobile Communications Radio Standards (also known as the Associations of Public Safety Communications Officers, International Project 25 and referred to as "P25").

- The term "RFP #1332" shall mean the above-described RFP document including all of its amendments.
- The term "radio model" shall mean the specific trade/brand designation of a subscriber radio.
- The term "native" or "natively" shall mean the method of operating on the system in which the radio model itself exchanges voice and/or data signally directly with the system (as opposed to a radio that communicates on the system via a gateway or a patch)
- The term "base configuration" shall mean the combination of hardware and software of a radio model that meets all of the Mandatory specifications (i.e., unless explicitly stated, the base configuration of each and all radio models must meet all Mandatory specifications).
- The term "Supported Existing Radio" is a specific radio unit that is both:
 - One of the following manufacturers' product lines: EF Johnson ES-51, EF Johnson ES-53, EF Johnson VP-600, EF Johnson VP-900, Motorola XTL, Motorola XTS, and Motorola APX; and
 - Listed by the specific trunking identifier (ID) programmed into it in the radio ID database of Waukesha or Milwaukee County's analog trunked radio system as of April 18, 2014.
- The term "New Radio" is a specific radio unit that is not a "Supported Existing Radio".

Compliance Requirements

Appendix A of this document lists all specifications from RFP #1332 that apply to portable and mobile subscriber radios. Each specification includes one of the following compliance designations which hold the accompanying definition:

- A specification that is "Mandatory" is required of the radio model in its base configuration and the specification must be fully met as described by the referenced section of RFP #1332 in order for the radio model to be allowed to operate on the system.
 - A designation of "Conditional Mandatory" means that the radio model, in its base configuration, must meet only as subset of the specification as described by the referenced section of RFP #1332 and as limited by the accompanying "Compliance Requirement Notes".
- A specification that is "Recommended" is strongly suggested by the operators of the system but it is not required in the radio model's base configuration (i.e., the specification, if provided, may be met by the addition of hardware or software to the base configuration) and if it is provided the specification must be fully met as described by the referenced section of RFP #1332.
- A specification that is "Optional" is left to the user agency's discretion to purchase and/or enable but it is not required in the radio model's base configuration (i.e., the specification, if provided, may be met by the addition of hardware or software to the base configuration) and if it is provided the specification must be fully met as described by the referenced section of RFP #1332.



**Waukesha County and Milwaukee County
Project 25 Trunked Radio System**



Waukesha County and Milwaukee County intend to operate the system, including the individual Counties' simulcast subsystem, under one System ID, therefore, there is no specification or requirement that any radio model support multiple System ID's. Individual agencies may, however require for transitional or interoperability purposes a radio model to support multiple Project 25 System ID's and those agencies should evaluate their own requirements and ensure the subscriber radios they procure meet those requirements.

Each individual agency shall be responsible to bear their costs associated with upgrading or replacing their subscriber radios if/when the system is upgraded to Project 25 Phase II operations¹. To minimize the future financial and operational impact of such an upgrade, Waukesha County and Milwaukee County strongly recommend that agencies procure subscriber radios that require minimal changes in order to comply with Project 25 Phase II operations (i.e., that they comply with the requirements of RFP 1332 which state: "radios shall be able to be upgraded to Project 25 Phase II without the replacement of any proposed portable/mobile subscriber radio hardware" and "[u]pgrade to Project 25 Phase II may include the addition or reconfiguration of portable/mobile subscriber software."). All risks and costs associated with procuring a radio that is either not capable of any upgrade to Project 25 Phase II operations or that is not capable of software/configuration-only changes to enable Project 25 Phase II operations shall be borne entirely by the specific agency that chooses to procure a subscriber radio.

Features or specifications above or beyond those listed in Appendix A are at "buyer's discretion" meaning that they are not Mandatory or Recommended and they will not be tested during they certification process. Should any such feature or specification prevent a radio model from meeting the compliance specifications of Appendix A, that radio model will not be allowed to operate on the system.



Important Note:

New Radios and Supported Existing Radios have different designations for some specifications. This is intended to allow Supported Existing Radios to be "grandfathered in" to allow their operation on the system without requiring that they meet the same specifications as New Radios. Furthermore, Supported Existing Radios will not be subjected to the certification testing described above (however New Radios of the same model will be).

¹ At the time of the publication of this document, Waukesha and Milwaukee Counties have no plans to upgrade the system to Project 25 Phase II operations, however, the Counties recognize that industry, regulatory, or operational changes may require such an upgrade during the lifespan of the system.



**Waukesha County and Milwaukee County
Project 25 Trunked Radio System**



Compliance Process

Any radio vendor seeking for a new radio model to be allowed to operate on the system shall designate in writing, using Appendix B, that the base configuration of that radio model meets all Mandatory specifications. They shall also use Appendix B to designate which Recommended and Optional specifications the radio model is capable of meeting and if additional hardware or software is required in order to meet the specification. They shall answer the additional specific questions included in Appendix B and they shall attach, at a minimum, the Supplier's Declaration of Compliance (SDOC) for the radio model as it was received from their participation in a Compliance Assessment Program. (Additional documentation may be provided with Appendix B so long as it is in support of the completion of Appendix B.)

The radio vendor shall submit the completed Appendix B to Waukesha County Radio Services at the following contact information:

- Email: CPetterson@waukeshacounty.gov
- Fax Number: 262-548-7855

A list of the radio models that have successfully completed this compliance process will be posted at the Waukesha County Radio Services website: <http://www.waukeshacounty.gov/defaultwc.aspx?id=37419>.



Important Note:

Waukesha County and Milwaukee County strongly suggest that user agencies that buy new radios to operate on the system obtain written assurance from their vendor that the vendor will bear any and all costs associated with correcting any deficiency their radio model(s) may have in meeting any compliance specifications as identified during the certification testing process.

Expectations for Certification Process

As is described above, detailed procedures for certification testing shall be developed and provided in a separate document. Those testing procedures shall be limited to testing only those compliance specifications included in this document.

Completion of the certification process is required initially to allow native operations of the radio model on the system and again any time there are hardware, software, or firmware modifications to the radio model that affect its ability to meet these compliance requirements. The vendor of the radio model shall notify Waukesha County Radio Services at the contact information listed above if such a need to re-certify a radio model. Additionally, Waukesha County Radio Services (WCRS) may retest a radio model at any time and the results may modify prior approvals of the certification process.

Waukesha County will require each of the following prior to initiating the subscriber radio certification process:

- Radios to be tested (two each required)



**Waukesha County and Milwaukee County
Project 25 Trunked Radio System**



- Programming software
- Programming cable(s) necessary for programming of radios being tested
- Keyloader device(s) used to load encryption and/or authentication keys
- Keyloader cable(s) necessary for loading of encryption and authentication keys to radios being certified
- Hardware based "Master" system key for system ID 0692
- Hardware based blank "Child" keys (3 each required)
- Software/Hardware necessary for programming of hardware based "Child" keys

Any items (other than Windows PCs and power supplies) not listed needed to successfully program the radios for P25 and conventional operation shall also be required of the vendor. Two sets of radios and applicable accessories of each type will be required for certification. (If radio programming materials are common between a vendor's different radio models, that vendor will not be required to submit one set of programming materials for each radio model, however, the vendor shall ensure that Waukesha County Radio Services has one set of materials for all applicable radio models and that Waukesha County Radio Services is informed of which programming materials correspond to which radio models.)

Upon successful certification, one sample radio will be returned to the vendor with the remainder of the items to be retained by Waukesha County. In the event the radios fail certification, all radios and other items except for the hard key will be returned. Waukesha County reserves the right to selectively waive the requirement for any listed items.

Waukesha County will provide in advance a vendor agreement governing distribution of the master key. Radios will not be certified until this is signed and returned. Waukesha County will require one software key as well as the hard key since the certification process will include testing to ensure that soft keys will not operate in a hard key environment.

The certification process will be performed at no monetary charge to the vendor. In the event a radio fails certification, Waukesha County will work with the vendor to identify any deficiencies and retest as necessary. A "no issues" certification is expected to be completed within 30 days.



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Project 25 Trunked Radio System**



Appendix A – Compliance Specifications

Specification as Stated in Section VI of RFP #1332		Compliance Requirement Notes	
G. Technical Requirements: Portable Subscriber Radios	Compliance Requirement for New Radios	Compliance Requirement for Supported Existing Radios	
1. Portable Subscriber Radio SDOC Requirements	Mandatory	Not Applicable	
2. Portable Subscriber Radio Mode of Operation Requirements	Mandatory	Mandatory	It is recommended that all radios support a mix of conventional channels and trunked talkgroups in any single zone ("bank"). Vendors shall declare if this operation is supported for each model being evaluated for compliance.
3. Portable Subscriber Radio Vocoder Requirements	Mandatory	Mandatory	It is recommended that all radios support the AMBE +2 vocoder. Vendors shall declare if this vocoder is supported for each model being evaluated for compliance.
4. Portable Subscriber Radio P25 Trunking Feature Requirements			
a) Group Voice Calls and Broadcast Group Call	Mandatory	Mandatory	
b) Emergency Alarm	Mandatory	Mandatory	
c) Emergency Group Call	Mandatory	Mandatory	
d) Individual Voice Call	Recommended	Recommended	
e) Announcement Group Call	Mandatory	Mandatory	
f) All Call / System Call	Mandatory	Mandatory	
g) Radio Check	Recommended	Recommended	
h) Call Alert	Recommended	Recommended	
i) Radio Unit Inhibit/Uninhibit	Mandatory	Mandatory	
j) Radio Unit Monitoring	Recommended	Recommended	
k) Short Message	Optional	Optional	The compliance specification shall be per TIA-102.AABD-A which uses a 2 Byte exchange of data and not per the "Functional Requirement" as described in the RFP.
l) Status Query / Status Update	Recommended	Recommended	
m) AES Encryption	Optional	Optional	
n) Registration/ Roaming	Mandatory	Mandatory	
o) Affiliation	Mandatory	Mandatory	



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Specification as Stated in Section VI of RFP #1332	Compliance Requirement for New Radios	Compliance Requirement for Supported Existing Radios	Compliance Requirement Notes
p) Over-The-Air-Rekeying (OTAR)	Optional	Optional	This feature is not currently supported by the system infrastructure and additional infrastructure equipment is required to enable it. If such infrastructure equipment is deployed, the functionality must meet the requirements as described in the RFP.
q) Radio Authentication	Mandatory	Mandatory	
5. Non-P25 Trunking Feature Requirements			
a) Over-The-Air Reprogramming (OTAP)	Not Applicable	Not Applicable	This feature is not currently supported by the system infrastructure and additional infrastructure equipment is required to enable it.
b) Dynamic Regrouping	Optional	Optional	
6. Portable Subscriber Radio Scan Mode Requirements	Mandatory	Mandatory	
7. Portable Subscriber Radio – Radio Parametric Requirements			
a) Frequency Band	Mandatory	Conditional Mandatory	For Existing Radios Only: Requirements a.i.1, a.i.2, and a.ii.1 are not required
b) Channel Spacing	Mandatory	Mandatory	
c) Frequency Generation	Mandatory	Mandatory	
d) Transmitter: Power	Mandatory	Mandatory	
e) Transmitter: Modulation Limiting	Mandatory	Mandatory	
f) Transmitter: Audio Frequency Response	Mandatory	Mandatory	
g) Transmitter: Audio Distortion	Mandatory	Mandatory	
h) Transmitter: FM Hum and Noise Ratio	Mandatory	Mandatory	
i) Transmitter: Conducted Spurious Emissions	Mandatory	Mandatory	
j) Transmitter: Time Out Timer	Mandatory	Mandatory	
k) Transmitter/Receiver: Signaling Digital Mode	Mandatory	Mandatory	
l) Receiver: Reference Sensitivity	Mandatory	Mandatory	
m) Receiver: Adjacent Channel Rejection	Mandatory	Mandatory	
n) Receiver: Spurious Response Rejection	Mandatory	Mandatory	
o) Receiver: Intermodulation Rejection	Mandatory	Mandatory	
p) Receiver: Audio Frequency Response	Mandatory	Mandatory	
q) Receiver: Audio Distortion	Mandatory	Mandatory	



**Waukesha County and Milwaukee County
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Specification as Stated in Section VI of RFP #1332	Compliance Requirement for New Radios	Compliance Requirement for Supported Existing Radios	Compliance Requirement Notes
r) Receiver: Audio Output	Mandatory	Mandatory	
s) Receiver: Squelch Tail Elimination	Recommended	Recommended	
8. Portable Subscriber Radio Programming Capacity Requirements	Mandatory	Mandatory	
9. Portable Subscriber Radio Connector Requirements	Mandatory	Mandatory	Exceptions will be allowed for specialty devices (covert portables, telemetry/SCADA radios, transit mobiles, etc.)
10. Portable Subscriber Radio – Models to be Proposed	Conditional Mandatory	Conditional Mandatory	Any portable subscriber radio must: i) have built-in speaker and microphone; ii) have the abilities to power radio on/off, control volume, generate PTT, select different talkgroups/channels; iii) operate Mandatory features; iv) generate emergency message; v) display at least 1 line of 12 characters; and vi) include a half-wave flexible dipole antenna. Exceptions will be allowed for specialty devices (covert portables, telemetry/SCADA radios, transit mobiles, etc.).
11. Portable Subscriber Radio – Full Keypad Model Requirements	Conditional Mandatory	Conditional Mandatory	
12. Portable Subscriber Radio – Limited Keypad Model Requirements	Conditional Mandatory	Conditional Mandatory	
13. Portable Subscriber Radio – Public Service Model Requirements	Conditional Mandatory	Conditional Mandatory	
14. Portable Subscriber Radio – Environmental Requirements	Recommended	Recommended	
15. Portable Subscriber Radio Battery Charging Requirements	Recommended	Recommended	
16. Portable Subscriber Radio Battery Charger Unit Requirements	Recommended	Recommended	
17. Portable Subscriber Radio – Hip-Worm Configuration	Not Applicable	Not Applicable	
18. Portable Subscriber Radio – Shoulder Public Safety Mic Configuration	Not Applicable	Not Applicable	
19. Portable Subscriber Radio – Programming Security	Mandatory	Mandatory	
20. Portable Subscriber Radio Programming Requirements	Not Applicable	Not Applicable	
21. Portable Subscriber Radio Project 25 Phase II Migration Requirements	Recommended	Recommended	
22. Portable Subscriber Radio – Requirements for Upgrades to Existing Portable Radios	Not Applicable	Not Applicable	
H. Technical Requirements: Mobile Subscriber Radios			
1. Mobile Subscriber Radio SDOC Requirements	Mandatory	Mandatory	



**Waukesha County and Milwaukee County
Project 25 Trunked Radio System**



Specification as Stated in Section VI of RFP #1332	Compliance Requirement for New Radios	Compliance Requirement for Supported Existing Radios	Compliance Requirement Notes
2. Mobile Subscriber Radio Mode of Operation Requirements	Mandatory	Mandatory	It is recommended that all radios support a mix of conventional channels and trunked talkgroups in any single zone ("bank"). Vendors shall declare if this operation is supported for each model being evaluated for compliance.
3. Mobile Subscriber Radio Vocoder Requirements	Mandatory	Mandatory	It is recommended that all radios support the AMBE +2 vocoder. Vendors shall declare if this vocoder is supported for each model being evaluated for compliance.
4. Mobile Subscriber Radio P25 Trunking Feature Requirements	Mandatory	Mandatory	
a) Group Voice Calls and Broadcast Group Call	Mandatory	Mandatory	
b) Emergency Alarm	Mandatory	Mandatory	
c) Emergency Group Call	Mandatory	Mandatory	
d) Individual Voice Call	Recommended	Recommended	
e) Announcement Group Call	Mandatory	Mandatory	
f) All Call / System Call	Mandatory	Mandatory	
g) Radio Check	Recommended	Recommended	
h) Call Alert	Recommended	Recommended	
i) Radio Unit Inhibit/Uninhibit	Mandatory	Mandatory	
j) Radio Unit Monitoring	Recommended	Recommended	
k) Short Message	Optional	Optional	The compliance specification shall be per TIA-102.AABD-A which uses a 2 Byte exchange of data and not per the "Functional Requirement" as described in the RFP.
l) Status Query / Status Update	Recommended	Recommended	
m) AES Encryption	Optional	Optional	
n) Registration/ Roaming	Mandatory	Mandatory	
o) Affiliation	Mandatory	Mandatory	
p) Over-The-Air-Rekeying (OTAR)	Optional	Optional	This feature is not currently supported by the system infrastructure and additional infrastructure equipment is required to enable it. If such infrastructure equipment is deployed, the functionality must meet the requirements as described in the RFP.
q) Radio Authentication	Mandatory	Mandatory	



**Waukesha County and Milwaukee County
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Specification as Stated in Section VI of RFP #1332	Compliance Requirement for New Radios	Compliance Requirement for Supported Existing Radios	Compliance Requirement Notes
5. Non-P25 Trunking Feature Requirements			
a) Over-The-Air Reprogramming (OTAP)	Not Applicable	Not Applicable	This feature is not currently supported by the system infrastructure and additional infrastructure equipment is required to enable it.
b) Dynamic Regrouping	Optional	Optional	
6. Mobile Subscriber Radio Scan Mode Requirements	Mandatory	Mandatory	
7. Mobile Subscriber Radio – Radio Parametric Requirements			
a) Frequency Band	Mandatory	Conditional Mandatory	For Existing Radios Only: Requirements a.i.1, a.i.2, and a.ii.1 are not required
b) Channel Spacing	Mandatory	Mandatory	
c) Frequency Generation	Mandatory	Mandatory	
d) Transmitter Power	Mandatory	Mandatory	
e) Transmitter Modulation Limiting	Mandatory	Mandatory	
f) Transmitter Audio Frequency Response	Mandatory	Mandatory	
g) Transmitter Audio Distortion	Mandatory	Mandatory	
h) Transmitter FM Hum and Noise Ratio	Mandatory	Mandatory	
i) Transmitter Conducted Spurious Emissions	Mandatory	Mandatory	
j) Transmitter Time Out Timer	Mandatory	Mandatory	
k) Transmitter/Receiver: Signaling Digital Mode	Mandatory	Mandatory	
l) Receiver: Reference Sensitivity	Mandatory	Mandatory	
m) Receiver: Adjacent Channel Rejection	Mandatory	Mandatory	
n) Receiver: Spurious Response Rejection	Mandatory	Mandatory	
o) Receiver: Intermodulation Rejection	Mandatory	Mandatory	
p) Receiver: Audio Frequency Response	Mandatory	Mandatory	
q) Receiver: Audio Distortion	Mandatory	Mandatory	
r) Receiver: Audio Output	Mandatory	Mandatory	
s) Receiver: Squelch Tail Elimination	Recommended	Recommended	
8. Mobile Subscriber Radio Programming Capacity Requirements	Mandatory	Mandatory	
9. Mobile Subscriber Radio Connector Requirements	Mandatory	Mandatory	



**Waukesha County and Milwaukee County
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Specification as Stated in Section VI of RFP #1332	Compliance Requirement for New Radios	Compliance Requirement for Supported Existing Radios	Compliance Requirement Notes
10. Mobile Subscriber Radio Physical Construction Requirements	Not Applicable	Not Applicable	
11. Mobile Subscriber Radio – Models to be Proposed	Conditional	Conditional	
12. Mobile Subscriber Radio – Public-Safety Standard Control for Vehicle Requirements	Mandatory	Mandatory	
13. Mobile Subscriber Radio – Public-Safety Standard Control for Motorcycle Requirements	Conditional	Conditional	
14. Mobile Subscriber Radio – Public-Safety Standard Control for Extreme (Fire External) Conditions	Mandatory	Mandatory	
15. Mobile Subscriber Radio – Public-Safety Expanded Control Requirements	Conditional	Conditional	
16. Mobile Subscriber Radio – Public-Safety Microphone (or Handheld) Control Requirements	Mandatory	Mandatory	Any mobile subscriber radio must have speaker and microphone plus ability to power radio on/off, control volume, generate PTT, select different talkgroups/channels, operate Mandatory features, generate emergency message, display at least 1 line of 12 characters, and fixe-mount (non-magnetic-mount) dipole antenna. Exceptions will be allowed for specially devices (covert portables, telemetry/SCADA radios, transit mobiles, etc.).
17. Mobile Subscriber Radio – Public-Service Model Requirements	Conditional	Conditional	
18. Mobile Subscriber Radio – Environmental Requirements	Mandatory	Mandatory	
19. Mobile Subscriber Radio – Programming Security	Recommended	Recommended	
20. Mobile Subscriber Radio Programming Requirements	Mandatory	Mandatory	
21. Mobile Subscriber Radio Project 25 Phase II Migration Requirements	Not Applicable	Not Applicable	
22. Mobile Subscriber Radio – Requirements for Upgrades to Existing Mobile Subscriber Radios	Recommended	Recommended	
23. Mobile Subscriber Radio – Mobile Control Station and Console Radio Requirements	Not Applicable	Not Applicable	All Compliance Requirements shall apply as written to all Mobile Control Stations or Console Radios.



**Waukesha County and Milwaukee County
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Appendix B – Compliance Statement

Radio Model Information		
Vendor Name:		
Radio Model:		
Sub-Model ("Type" or "Package"):		
Base Model Compliance to Mandatory Specifications		
Does the radio model meet all specifications designated as "Mandatory", including those specifically noted portions of specifications designated as "Partially Mandatory", in Appendix A of this document?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
List the vocoder(s) supported by the radio model:		
Does the radio model support a mix of trunked talkgroups and conventional channels in one zone/bank?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Notes		
Base Model Compliance to Mandatory Specifications for Specialty Models		
Is the radio model a specialty device such as a covert portable, telemetry/SCADA radio, transit mobiles, etc.? If so, please describe its purpose and limitations (the Mandatory specifications it does not meet) in the Notes area below.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Notes		
Support of Recommended and Optional Specifications		
Does the radio model support each of the following specifications that are designated as Recommended or Optional as described by the referenced section of RFP #1332?		
Individual Voice Call	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Radio Check	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Call Alert	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Radio Unit Monitoring	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Short Message	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Status Query / Status Update	<input type="checkbox"/> Yes <input type="checkbox"/> No	
AES Encryption	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Over-The-Air-Rekeying (OTAR)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Dynamic Regrouping	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Receiver: Squelch Tail Elimination	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Environmental Requirements	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Portable Subscriber Radio Battery Charging Requirements	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Portable Subscriber Radio Battery Charger Unit Requirements	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Notes (incl. special additions required)		
Describe the modifications; including any/all software, hardware, firmware, or configuration changes; that are required to allow the radio model to operate on a Project 25 Phase II system.		
Signature of Vendor's Authorized Personnel		
Signature	Name & Email Address	Date

Vendors: Submit via email: CPetterson@waukeshacounty.gov or fax: 262-548-7855. Attach additional information if necessary and relevant.

EXHIBIT E

**Public Safety Radio System
SYSTEM KEY AGREEMENT
Milwaukee County Public Safety Radio System
_____ of _____ Participation**

Milwaukee County



**EXHIBIT E:
PROJECT 25 TRUNKED RADIO SYSTEM
SYSTEM KEY REQUIREMENTS**

Version: August 27, 2014



Overview and Scope

Milwaukee County has determined that user radios (subscriber radios) that are to operate natively on the Waukesha County and Milwaukee County Project 25 Trunked Radio System must meet the requirements for Programming Security as defined by Sections VI.G.19 and VI.H.19 of Waukesha County's Request for Proposals (RFP) #1332¹. This requirement, which mandates the use of an advanced/enhanced (hardware-based) user radio programming key ("system key"), exists so that unauthorized personnel or organizations do not have the ability to program or configure user radios and that those that do have such abilities can only do so in ways that do not negatively affect i) system performance, ii) the ability of a user to access the system, iii) the system's security and integrity, and iv) the functionality of critical user-features. For these reasons, Milwaukee County, through this document, describes the requirements of and restrictions on those individuals/organizations that may be eligible to be a licensee of a system key for the Milwaukee County Project 25 Trunked Radio System as well as a framework for establishing the capabilities of different types, or "classes", of system keys.

This document introduces three different classes of keys:

- A Class "A" key which is the "parent" key as defined in RFP 1332.
- A Class "B" key which is a "child" key (as defined in RFP 1332) that is to be used by a qualified radio shop (as defined below) to initially program and provision new radios and maintain user radios
- A Class "C" key which is also a "child" key but which has yet to be developed and which is envisioned to allow a user agency to make minor adjustments to those programming/configuration parameters that affect operations of user-ergonomics and do not affect system performance, user access, system security or integrity, or the functionality of critical user-features.

Important
Note:



At this time, the exact capabilities of a Class "C" key are to be determined. Such a Class "C" key is a concept that is currently being developed by Milwaukee County in conjunction with user agencies, the Governance Board, and Motorola Solutions, Inc. The capabilities of the Class "C" key shall be approved jointly by Milwaukee County and the Milwaukee County Radio System Governance Board but the Class "C" key shall not:

- a) Unless specifically permitted by both Milwaukee County and the Milwaukee County Radio System Governance Board, allow its Licensee or user to have access to programming parameters that could negatively impact the integrity or security of the system (such that the system could be willingly or unwillingly exposed to a threat, eminent or not, that could: i) disrupt the system from delivering its contracted coverage, capacity, features, management, or reliability, ii) prevent authorized users from accessing the system's contracted

¹ Released on April 12, 2013, amended three times, and posted at the following Waukesha County website: <https://purchasing.waukeshacounty.gov>.



levels of coverage, capacity, features, management, or reliability or iii) allow a party, either a user or non-user of the system, to have use of the system or to have access to communications for which they have not been explicitly authorized) or

- b) Prohibit Milwaukee County's ability to ensure contractual obligations per the "Contract for Service #1332" with Motorola Solutions, Inc.

Should the development of a Class "C" Key not occur, Milwaukee County and the Governance Board shall work to identify alternate solutions to meet the identified requirements including use of alternate technologies or products as well as possible alterations to the terms of this Exhibit.

References and Terms

- Class "A" Key (also known as "Master Key") - A physical device as defined by following matrix that is capable of being encoded with system information that: i) allows for the programming of subscriber equipment, ii) may allow for the creation of Child Keys, and iii) has no restrictions on the ability to program any/all radio ID's, talkgroups, features and/or other capabilities of the system
- Class "B" or Class "C" Key (also known together as "Child Keys") - A physical device with the capabilities listed below that is encoded with system information that: i) allows for the programming of subscriber equipment, ii) expressly cannot allow for the creation of Child Keys, and iii) has explicit restrictions on the ability to program any/all radio ID's, talkgroups, features and/or other capabilities of the system
- User Radio or Subscriber Radio: A mobile (vehicle-mounted), portable (human-worn or handheld), and control stations (fixed-location) radios used and operated by the actual end-users of two-way voice communication systems.
 - NOTE: The definition of "Subscriber" as used in this Exhibit is different from that used within the Inter-Governmental Agreement to which it is attached. To be clear, in this Exhibit, the term "Subscriber Radio" refers to the radio equipment used by end users to communicate to each other through the radio system.
- User Agency: An agency, organization, or department that uses the system for daily or interoperable (occasional, event- or incident-based) purposes; must be a public safety and public service agency from a State, Tribal, County, or Local government; federal agency; special district; or emergency medical service provider; must also be eligible under Title 47 of the Code of Federal Regulations (CFR) Part 90 Private Land Mobile Radio Services §90.20 Public Safety Pool; the person that programs subscriber radio equipment through the use of a slave hardware or software system key.

**Milwaukee County
Project 25 Trunked Radio System**



- **System Information:** Information that specifies technical and performance features and capabilities of the system, (including all physical or electronic media upon which such information is provided).
- **Licensor:** An owner of the system infrastructure switch, also the owner of the Class "A" Master Key
- **Licensee:** The agency/organization to whom use of the Child Key is granted
- **Template:** The contents of a file created by the programming software that contains all necessary System Information required to enable operations of a User Radio on the System
- **System:** The Milwaukee County subsystem of the Milwaukee County and Waukesha County 800MHz Project 25 Public Safety Trunked Radio System
- **Radio ID or Unit Radio ID:** A number that uniquely identifies a user radio and that can be used to permit or restrict access to the system
- **Radio Shop (or Shop):** An organization, including an independent business enterprise or a specialized division of a government agency, whose specific purpose is the deployment and maintenance (including programming) of radio equipment and which employs dedicated and specifically-trained staff to accomplish this purpose. The staff of the Shop shall have within their combined background the following credentials and certifications: Federal Communications Commission (FCC) Licensed Technician, Electronics Technicians Associations (ETA) Wireless Communications Technician, ETA R56 Technician, Associate's degree or specific military service training in electronics communications or related field, completion of system-administrator-level training from the vendor of the County's digital trunked radio system, and completion of detailed product-service-level training from major land mobile radio manufacturers such as Motorola Solutions Inc., Harris Corporations, EF Johnson Technologies, and others. A radio shop shall also have, at a minimum the following equipment:
 - A Digital Radio Service Analyzer, equivalent to the capabilities of an AeroFlex 3920 or its direct future replacement
 - A Digital and Analog Communications Service Monitor, equivalent to the capabilities of an AeroFlex 2945 or its direct future replacement
 - A mixed domain oscilloscope, equivalent to the capabilities of a Tektronix MDO4000 or its direct future replacement
 - A work area environment dedicated to the provisioning, repair, and maintenance of land mobile radios that is not used for other purposes and that is free of dust, debris, and other possible contaminants
 - Dedicated test bench(es) with tools (such as multi-meters, soldering irons, lighted magnification glasses) and electronics (computers and cables for programming, multi-meters, variable power supplies, dummy loads) that are specifically dedicated to the provisioning, repair, and maintenance of land mobile radios
 - A dedicated and shared library, available to all shop staff, of either printed or electronic copies of product service manuals from major land mobile radio manufacturers such as Motorola Solutions Inc., Harris Corporations, EF Johnson



Technologies, and others, specifically including those products expected to be programmed via the system key being sought.

A User Agency may be considered as a Radio Shop so long as they meet the requirements listed directly above.

System Key Provisions

SECTION 1: TERM OF USE

- Class "A" Key: Not applicable
- Class "B" and "C" Keys: The term of the agreement for a Class B or Class C Key shall be one year and the capabilities of the Class B or Class C Key shall be set to expire concurrent with the Term of the Agreement. The Agreement (and the capabilities Class B or Class C Key) can be renewed on a yearly basis but it must be actively (not automatically) renewed.

SECTION 2: ALLOWED USERS AND USAGE

- Class "A" Key: To be held by the Waukesha County and/or Milwaukee County Radio System Administrator(s), to be used to generate other keys, not to be used to program radios.
- Class "B" Key: To be used only by organizations that meet the definition of "Radio Shop" as listed above as well as all other requirements for Class "B" Keys as listed throughout this Exhibit. To be used to program radios for any authorized user agency.
- Class "C" Key: To be used by User Agencies or organizations that meet the requirements for Class "C" Keys as listed throughout this Exhibit. To be used to make minor adjustments (capabilities listed below) to radios that are used by that specific user agency and that were initially programmed by an authorized and qualified radio shop.

SECTION 3: KEY CAPABILITIES – CREATION OF CHILD KEYS

- Class "A" Key: Shall have capabilities to create child keys.
- Class "B" and "C" Keys: Shall not have capabilities to create child keys.

SECTION 4: KEY CAPABILITIES – RADIO PROVISIONING

- Class "A" Key: Not applicable
- Class "B" Key: Class "B" Keys shall be used by qualified radio programming shop for initial radio provisioning (first programming of radio for operation on new system)
- Class "C" Key: Class "C" Keys shall not be used for initial radio provisioning

SECTION 5: KEY CAPABILITIES – RADIO PROGRAMMING

- Class "A" Key: Not applicable
- Class "B" Key: Class "B" Keys shall have the ability to program radios as required to allow operations on the system as authorized.



- Class "C" Key: See the "IMPORTANT NOTE (i)", above, in the "Overview and Scope" Section of this Exhibit regarding the definition of the capabilities of the Class "C" key.
 - RADIO PROGRAMMING CAPABILITIES SHALL DEFINE LEVELS OF ACCESS TO/OF, AT A MINIMUM, THE FOLLOWING PROGRAMMING PARAMETERS:
 - The talkgroups that can be accessed and whether or not they can be designated as transmit-and-receive or receive-only
 - The radio unit ID range(s) that can be accessed
 - The "RADIO WIDE" parameters that can be accessed
 - The "SECURE" parameters that can be accessed
 - The "EMERGENCY" parameters that can be accessed
 - The "TRUNKING SYSTEM " parameters that can be accessed

SECTION 6: OWNERSHIP AND POSSESSION

- Class "A" Key: Milwaukee County shall own and possess one Class "A" key.
- Class "B" and "C" Keys: Licensee of Class B and Class C keys shall:
 - Request a Key from the Milwaukee County Radio System Governance Board Technical Committee who shall i) confirm in written documentation, including documents provided by Licensee, that the Licensee fully meets the requirements of this Exhibit including those regarding Use and Usage and ii) if confirmation is successful by unanimous vote of the Milwaukee County Governance Board Technical Committee, forward their approval and the Licensee's request to the Milwaukee County Radio System Administrator who shall provide the requesting Licensee with the requested Key according to the provisions of this Exhibit.
 - Recognize the Key as the sole property of the Licensor – it is licensed, not given or sold, by Licensor to Licensee.
 - Designate a specific Point of Contact (an individual person) for the Key and shall grant that Point of Contact access to and use of the Key so long as that individual meets the criteria listed throughout this Agreement.
 - Return Key to Licensor if the designated individual (or all designated individuals) leaves Licensee's organization.
 - Reimburse Licensor for all actual costs incurred by the Licensor in the acquisition of the Key.
 - Keep Key in a secured location (locked office or locked box/desk) when not in use by Point of Contact.
 - Report the loss of the Key to the Licensor within 24 hours of loss.
 - Return Key to Licensor at the end of the term of Agreement or actively renew Term.
 - Return Key to Licensor as directed by the Governance Board for violation(s) as described herein Section 14.

SECTION 7: RESTRICTIONS

- Class "A" Key: Not applicable
- Class "B" and "C" Keys: Licensee of Class B and Class C keys shall not:
 - Reverse engineer, disassemble, peel components, decompile, reprogram or otherwise reduce the Child Key or any portion to a human perceptible form or otherwise attempt to recreate the source code
 - Modify, adapt, create derivative works of, or merge the System Key



- Copy, reproduce, distribute, lend, or lease the System Key to any third party, grant any sublicense or other rights in the System Key to any third party, or take any action that would cause the System Key to be placed in the public domain
- Provide, copy, transmit, disclose, divulge or make the System Key or System Information available to, or permit the use of the System Key by any third party except as expressly authorized by this Agreement
- Use, or permit the use of, the System Key in a manner that would result in the production of a copy of the System Key

SECTION 8: SYSTEM KEY POINT OF CONTACT TRAINING REQUIREMENTS

- Class "A" Key: Not applicable
- Class "B" Key: In addition to holding the credentials and certifications listed above as being required of a Radio Shop, licensees of a Class B Key shall have completed following training from the vendor of the Key and the radios to be programmed by the Key:
 - Programming of radios via the programming software – training must be completed for all radio models to be programmed by Point of Contact. A radio of a new model shall not be programmed until/unless the Point of Contact attends training for the programming software for that new model. (If new model uses an existing version of programming software, then new training is not required).
 - Tuning/alignment of radios via the programming software.
- Class "C" Key: Licensees of a Class C Key shall have completed the following training from the vendor of the Key as well as the vendor of the radios to be programmed by the Key:
 - Programming of radios via the programming software – training must be completed for all radio models to be programmed by Point of Contact. A radio of a new model shall not be programmed until/unless the Point of Contact attends training for the programming software for that new model. (If new model uses an existing version of programming software, then new training is not required).
 -

SECTION 9: SYSTEM KEY POINT OF CONTACT OTHER EQUIPMENT REQUIREMENTS

- Class "A" Key: Not applicable
- Class "B" Key: In addition to having the equipment listed above as being required of a Radio Shop, licensees of Class B Key shall purchase and maintain at their expense all equipment (hardware, PC's, cables, and software) designated by radio model vendor as being required to complete the following:
 - Programming of any authorized user radio
 - Tuning/alignment of any authorized user radio
- Class "C" Key: Licensees of Class C Key shall purchase and maintain at their expense all equipment (hardware, PC's, cables, and software) designated by radio model vendor as being required to complete
 - Programming of Agency user radio

SECTION 10: WARRANTY OF WORK

- Class "A" Key: Not applicable
- Class "B" and Class "C" Key: Licensees of Class B or Class C Keys shall:
 - Be solely responsible for the quality and content of their programming work.



- Not hold Licensor responsible for any omissions or other mistakes made during the completion of programming by Licensee.
- Warrant for their work and shall correct any programming omissions or mistakes made during the completion of programming by Licensee. (Designations of omissions or mistakes shall be relative to the programming instructions agreed to in writing by the end users of the radios.)

SECTION 11: OWNERSHIP OF TEMPLATES

- Class "A" Key: Not applicable
- Class "B" and Class "C" Key: Licensees of Class B or Class C Keys shall:
 - Provide any/all templates created by Licensee to the agency for which they were created upon request from that agency
 - Provide any/all templates created by Licensee to Licensor upon request at no cost to Licensor
 - Not provide any/all templates created by Licensee to others without written approval by the agency for which they were created

SECTION 12: COMPLIANCE WITH SYSTEM OPERATIONAL STANDARDS

- Class "A" Key: Not applicable
- Class "B" and Class "C" Key:
 - Licensees of Class B or Class C Keys shall:
 - Not program any talkgroups for which they do not have explicit approval from the agency that operates the talkgroup for daily or other agency-specific use)
 - Agree to adhere to, comply with, and act in accordance with any and all Operational Procedures approved by the Milwaukee County Radio System Governing Board. Such Operational Procedures may include, but shall not be limited to:
 - Mandatory talkgroups and mandatory talkgroup locations
 - Mandatory feature settings
 - Licensee shall be responsible for any/all costs associated with such correcting the programming so as to eliminate the cause of interference or negative impact to system integrity.
 - Provide any/all templates created by Licensee to the agency for which they were created upon request from that agency
 - Provide any/all templates created by Licensee to Licensor upon request at no cost to Licensor
 - Not provide any/all templates created by Licensee to others without written approval by the agency for which they were created

SECTION 13: COMPLIANCE WITH FCC RULES AND REGULATIONS

- Class "A" Key: Not applicable
- Class "B" and "C" Keys: Licensees of Class B or Class C Keys shall use Child Key only in ways that are consistent with, and in no way a violation of, any requirement of Title 47 of the Code of Federal Regulations (CFR), Part 90 Private Land Mobile Radio Services.

SECTION 14: MISUSE AND REVOCATION



- Class "A" Key: Not applicable
- Class "B" and "C" Keys:
 - Misuse:
 - Licensor may actively disable/inhibit a radio from use on the system if it is determined that Licensee has violated the provisions herein in the programming of that radio.
 - Licensor may actively disable/inhibit a radio from use on the system if it is determined that Licensee has in any way programmed a radio in such a way that could negatively impact system security or integrity.
 - If Licensor disables/inhibits a radio from use for the reasons listed above, Licensor shall immediately notify both the Licensee and the affected user agency and provide a brief description of the cause for their action. All disabled/inhibited radios shall be enabled/uninhibited when the Licensee or affected user agency can demonstrate that the misuse has been corrected and the cause of the violation or negative impact to system security or integrity will not continue.
 - If Licensee feel that Licensor has disabled/inhibited a radio (or radios) without cause (as defined herein), Licensee shall petition the Milwaukee County Radio System Governing Board who shall review materials provided Licensee and Licensor and who shall be solely responsible for upholding or reversing Licensor's actions.
 - Revocation:
 - If Licensor identified that Licensee has misused the Key in a way that violates the provisions herein or that negatively impact system security or integrity, Licensor shall, in addition to the provisions for misuse as listed above, revoke Licensee's license and require immediate return of the Licensee's Key(s). In such a case, Licensor shall provide Licensee with notice that includes a description of the misuse(s) of the Key. Licensee shall immediately discontinue use of Key and shall have 5 business days to either return the Key(s) or respond in writing to the notice of revocation with evidence that the misuse did not occur.
 - If Licensor agrees with Licensee's response, they shall provide in writing within 5 business days a withdraw of the notice of revocation and the matter shall be considered closed.
 - If Licensor disagrees with Licensee's response or if Licensor does not provide a withdraw of revocation within 5 days of receipt of Licensee's response, Licensee shall have the option to petition the Milwaukee County Radio System Governing Board who shall review materials provided by the Licensee and Licensor and who shall be solely responsible for upholding or reversing Licensor's revocation.

Exhibit F

Milwaukee County Radio System Governance Board

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Section 1: Purpose

The Milwaukee County Public Safety Digital Trunked Radio Subsystem Governance Board ("Radio System Governance Board") will represent the user agencies and establish administrative plans and procedures regarding the on-going use, operation, and maintenance of the Milwaukee County Subsystem ("the Subsystem") of the joint Waukesha County and Milwaukee County Public Safety Digital Trunked Radio System ("the System") with the goals of ensuring the System meets user requirements and does so in the most cost-effective manner possible.

Section 2: Authority

The Radio System Governance Board is created by action of the County Executive and the County Board pursuant to (file number).

Section 3: Order

It is hereby ordered that the Radio System Governance Board shall be created and shall have the term defined below in Section 4 ("Term"), that it shall be comprised of the structure included below in Section 5 ("Board Structure"), and that it shall hold and perform the duties included below in Section 6 ("Board Duties"). It is hereby further ordered that the Radio System Governance Board shall be supported by Committees that shall report to the Board and that shall have the structure included below in Section 7 ("Committee Structure") and that shall hold and perform the duties included below in Section 8 ("Committee Duties").

Section 4: Term

The Radio System Governance Board shall operate until the end of operation of the Subsystem. The Radio System Governance Board may be dissolved or amend this document before the end of the operation of the Subsystem upon concurrence of five members of the Board of Directors and the County Executive.

Section 5: Board Structure

5.01. Board of Directors Membership

There shall be a Board of Directors ("the Board") whose membership shall be as follows and each of the following members (or their designee) shall have an equal vote for matters that require a decision by vote. The Directors appointed or selected pursuant to this section serve at the pleasure of the appointing or selecting authority:

- (1) The Milwaukee County Director of Department of Administrative Services;
- (2) The Milwaukee County Chief Information Officer;
- (3) The Milwaukee County Director of Emergency Management;
- (4) As appointed by the County Executive and approved by the Intergovernmental Cooperation Council of Milwaukee County: a Mayor or other elected executive of a city, town, or village with at least one public safety agency that participates as a daily user in the Subsystem;
- (5) As appointed by the County Executive: the director of finance or administration of a city, town, or village with at least one public safety agency that participates as a daily user in the Subsystem;
- (6) As appointed by the County Executive and approved by the Milwaukee County Law Enforcement Executives Association: the Chief of Police of a city, town, or village that participates as a daily user in the Subsystem; and
- (7) As appointed by the County Executive and approved by the Milwaukee County Association of Fire Chiefs: the Fire Chief of a city, town, or village that participates as a daily user in the Subsystem.

5.02. Board of Directors Membership Provisions

The Board of Directors shall operate according to the following provisions:

- (1) Any single municipal agency can have no more than one appointed Director on the Board;
- (2) When a Director and their designee are present at a meeting, only the Director may cast votes and be recorded in the proceedings;

- (3) In the case of a vacancy in a Board members position, the incumbent from the municipality or county position it represents shall become the interim Board member until a permanent appointment has been made;
- (4) The Board of Directors shall be comprised of seven (7) members. Upon implementation of this Board, at the first meeting called for this purpose, Board members shall establish staggered terms to ensure consistent stewardship;
- (5) Other non-voting/advisory members of the Board of Directors shall be allowed at the discretion of the Board, including vendors or owner's representatives; and
- (6) Two standing non-voting/advisory members in such capacity shall be:
 - (a) Chairperson of the Technical Subcommittee; and
 - (b) Chairperson of the Operational Subcommittee.

5.03. Officers of the Board of Directors

There shall be the following Officers elected by a majority vote of the Board:

- (1) A Chairperson whose duties are to represent the Board as its principal spokesperson; preside at Board meetings; direct the preparation of the agenda for all Board meetings; appoint members to the Standing Committees and to any Special Committees; and present recommendations of the Board to the County Executive, or designee, for action;
- (2) A Vice Chairperson whose duties are to exercise the duties and responsibilities of the Chair whenever the Chair is unable to serve;
- (3) A Secretary whose duties are to record meeting proceedings and distribute communications and materials to Board Members and other interested parties as necessary;
- (4) Elections of the Officers shall occur at their first meeting and shall occur thereafter according to the following schedule:
 - (a) Vice Chairperson: On January 1st of the first year following the first Board meeting and then again every two years thereafter; and
 - (b) Chairperson and Secretary: On January 1st of the second year following the first Board meeting and then again every two years thereafter;
- (5) No individual shall hold any more than one Officer position;
- (6) Officers shall serve until a replacement is elected; and
- (7) The Board shall hold regular meetings, at a frequency that is designated by the Chair and approved by majority vote of the Board of Directors. Meetings of the Board are subject to the following:
 - (a) Five (5) Directors shall constitute a quorum. Any action requiring Board approval may be adopted by a majority vote of those present and voting where a quorum is present;
 - (b) The agenda for each meeting shall include, at a minimum, the following: Approval of Last Meeting Minutes, Approval of Current Meeting Agenda, Officer's Reports, Committee Reports, Old Business, New Business, Open Forum for Members, Open Forum for Non-Members, and Adjournment;

- (c) An agenda for each meeting shall be established and published by the Chairperson and be sent to the Board members five (5) business days prior to the meeting. At the beginning of a regular meeting, any Director may move to amend the published meeting agenda and such amendments shall require majority approval of the voting members of the Board of Directors; and
- (d) Special meetings shall be called if approved by two (2) of the three (3) Officers and with a minimum of five (5) days advanced notice which is to include distribution of an agenda to all Directors.
- (e) The Board's records and meetings shall be open to the public as described in the Open Records and Open Meetings provisions in Chapter 19 of the Wisconsin Statutes.
- (f) Where this Order or laws of the state do not provide procedures to be used by the Board in conducting its meetings, "Robert's Rules of Order Newly Revised" shall govern the proceedings.

Section 6: Board Duties

Recognizing that Milwaukee County shall own and maintain the Subsystem (e.g., trunking controller, trunking base stations, trunking antenna systems, and certain other common system elements) as described in the Intergovernmental Agreement between Milwaukee County and various municipalities ("Permitting Access to Milwaukee County's 800 MHz Project 25 Trunked Public Safety Radio System"), the duties of the Board of Directors shall be the following:

6.01. Annual Operational Budget

Develop and recommend to the County Executive an annual Operational Budget for the Subsystem by May 1st of each year to include:

- (1) Recommendations for changes or additions to the operational and/or technical design of the Subsystem that improve or more efficiently maintain operational standards;
- (2) Estimated costs, timelines, and impact to current performance for the recommended changes or additions;
- (3) Recommendations for the funding model (legislative or otherwise) which may be needed to meet the costs or operational standards associated with a more sustainable and/or stable funding mechanism; and
- (4) The County Executive shall use the Board of Directors' Operational Budget for the Subsystem as advice to adjust the county's plans for system operations and maintenance.

6.02. Technical and Operational Standards

Establish and implement technical and operational standards and procedures regarding the on-going use and operations of the Subsystem.

- (1) Standards and procedures that have a financial impact will require approval by the County Executive;
- (2) The County Executive shall have the right to veto standards or procedures that do not meet Milwaukee County's contractual obligations of the system; and

- (3) Such technical and operational standards and procedures shall be developed and shall establish the ways in which the Subsystem shall be used and operated and shall not include any recommendations, guidelines, or requirements that negatively impact the ability of users to complete their assigned duties of public safety or public service or adversely affect the performance or security of the subsystem.

6.03. Five (5) Year Capital Improvement Plan

By May 1st of each year, develop and approve a Five (5) Year Capital Improvement Plan for the Subsystem for which funds from the Capital Improvement Fund are to be allocated. Capital Improvement Plan will include:

- (1) Business case for the upgrades, expansions, and/or replacements of/to the Milwaukee County Subsystem;
- (2) Estimated implementation and run costs, timelines, and impact to current performance for the recommended capital improvements changes or additions; and
- (3) Recommendations for the Capital Improvement Fund (legislative or otherwise) which may be needed to meet the costs or operational standards associated with a more sustainable and/or stable funding mechanism.

6.04. Usage and Fees of the Subsystem for Non-Public Safety Organization

Approve the use of the Subsystem by non-members or non-Public-Safety organizations (Public Safety eligibility as defined by 47 CFR §90.421) and recommend fees for such use.

6.05. Annual Report

Prepare and submit by the end of the first quarter of the calendar year an Annual Report to the County Executive, appropriate elected officials and user bodies. The Annual Report will include, but is not limited to, financial information, system metrics, previous year highlights, Five (5) Year Capital Improvement Plan and goals for the upcoming year.

6.06. Standing and Special Committees

Create the Technical, the Operational and the Special Committees as described in Sections 7.02 – 7.05. The Board shall operate and collaborate with these committees.

6.07. Prohibited Actions of the Board

The Board is expressly not allowed to:

- (1) Establish policy that would violate or be in conflict with the Memorandum of Understanding (MOU) established between Milwaukee County and Waukesha County or with the Intergovernmental Agreement (IGA) that acts as the participation agreement with user departments/agencies;
- (2) Establish policies for the non-P25 existing analog system or for any radio system owned or operated by local municipalities;
- (3) Oversee implementation of the Subsystem;
- (4) Negotiate with Contractor or other vendors or make commitments regarding purchases;
- (5) Collect, hold, or distribute funds;
- (6) Levy taxes;
- (7) Incur debts;
- (8) Issue bonds; and

(9) Sue.

Section 7: Committee Structure

7.01. Committee Creation

The Board may create and dissolve Special Committees to assist the Board in performing its duties and responsibilities according to the following:

- (1) Creation of a Special Committee shall require action by the Board and shall include definition of the duties and responsibilities of the Committee, its chair and members, and any other matters necessary for the efficient operation of the Committee. Committees operate under the same Authority as the Board, reference Section 2.
- (2) The Board may direct a Special Committee to prepare investigations, reports, etc. of a particular topic and that Committee shall prepare their response in a timeframe agreed to by the Board Chairperson and the Chairperson of the Committee.

7.02. Standing Committees

There shall be two standing committees whose existence is inherent in the creation of the Board and that the Board shall not be able to dissolve. These two standing committees shall be the Technical Committee and the Operational Committee.

7.03. Technical Committee

(1) Technical Committee Voting Membership

The membership of the Technical Committee shall be as follows and each of the following members shall have an equal vote for matters that require a decision by vote:

- (a) A representative of the Milwaukee County Radio Services;
 - (b) A representative of the Milwaukee County Department of Transportation;
 - (c) A representative of a Police Department of a city, town, or village that participates as a daily user in the Subsystem;
 - (d) A representative of a Fire Department of a city, town, or village that participates as a daily user in the Subsystem or relevant to Emergency Management and Planning; and
 - (e) Three technical representatives at large from public safety agencies that participate as daily users in the Subsystem to be appointed by the Board.
- (2) **Technical Committee Advisory/Non-Voting Membership**
The membership of the Technical Committee shall also include the following members in an advisory and non-voting capacity:
- (a) A representative from Waukesha County Radio Services; and
 - (b) A representative from the Motorola Solutions, Inc.

7.04. Operational Committee

(1) Operational Committee Voting Membership

The membership of the Operational Committee shall be as follows and each of the following members shall have an equal vote for matters that require a decision by vote:

- (a) A representative of the Milwaukee County Radio Services;
- (b) A representative of the Milwaukee County dispatching services;

- (c) A representative of Milwaukee County Department of Transportation;
 - (d) A representative of a Police Department of a city, town, or village that participates as a daily user in the Subsystem;
 - (e) A representative of a Fire Department of a city, town, or village that participates as a daily user in the Subsystem;
 - (f) A representative of an Emergency Medical Services Division that participates as a daily user in the Subsystem;
 - (g) A municipal representative of a dispatch center that has a wireline connection into the Subsystem to provide dispatch services for at least one public safety agency that participates as a daily user in the Subsystem
- (2) **Operational Committee Advisory/Non-Voting Membership**
 The membership of the Operational Committee shall also include the following members in an advisory and non-voting capacity:
- (a) A representative from Waukesha County Radio Services;
 - (b) A representative from The Wisconsin Interoperable System for Communications (WISCOM); and
 - (c) A representative from Amateur Radio Emergency Service (ARES)/Radio Amateur Communications Emergency Services (RACES).

7.05. Technical and Operational Committee Membership Provisions

The Technical and Operational Committees shall operate according to the following provisions:

- (1) All members of the Technical and Operational Committees shall be nominated by and approved by the Board of Directors;
- (2) Any Technical and Operational committee member may be recommended for removal from their position if a full three-quarters of the other committee members so decide by vote. The recommendation will be reviewed by the Board; the Board, with a majority vote, may uphold the recommendation. In such a case, that position shall be filled by a different individual within the same functional group through nomination and approval by the Board of Directors;
- (3) Agencies should not have more than one appointed member on the Technical Committee and should not have more than one member on the Operational Committee unless voted and approved by the Board;
- (4) The Technical Committee and on the Operational Committee shall each have Officers that shall be elected from and by their respective Voting Memberships;
- (5) A Chairperson whose duties are to represent the Committee as its principal spokesperson; preside at Committee meetings; direct the preparation of the agenda for all Committee meetings; and present recommendations of the Committee to the Board of Directors, or designee, for action;
- (6) A Vice Chairperson whose duties are to exercise the duties and responsibilities of the Chair whenever the Chair is unable to serve;
- (7) A Secretary whose duties are to record meeting proceedings, develop & distribute communications and materials to committee members and other interested parties as necessary;

- (8) Elections of the Officers for each Committee shall occur at their first meeting and shall occur thereafter according to the following schedule:
 - (a) Vice Chairperson: On January 1st of the first year following their first meeting and then again every two years thereafter; and
 - (b) Chairperson and Secretary: On January 1st of the second year following their first meeting and then again every two years thereafter;
- (9) Officers serve until a replacement is elected.

Section 8: Committee Duties

8.01. Technical Committee Duties

The duties of Technical Committee shall be to:

- (1) Make recommendations regarding the design or configuration of the Subsystem;
- (2) Prepare technical advice for methods to implement the recommendations of the Operations Committee;
- (3) Provide input regarding the technical state of the Subsystem for the Board's Annual Report; and
- (4) Other duties as assigned or directed by the Board.

8.02. Operational Committee Duties

The duties of the Operational Committee shall be to:

- (1) Make recommendations regarding the use of the Subsystem including allowed/authorized talk groups, daily and special (incident/event) usage protocols, terms and conventions, usage exercises, and training programs;
- (2) Describe the operational impacts of recommendations developed by the Technical Committee;
- (3) Provide input regarding the operational state of the Subsystem for the Board's Annual Plan; and
- (4) Other duties as assigned or directed by the Board.

8.03. Standing Committee Coordination

The Technical and Operational Committees shall review and provide comments to the recommendations or reports submitted to the Board by the other Committee prior to submission.



REQUEST FOR CONSIDERATION

COMMITTEE: Brown Deer Village Board
ITEM DESCRIPTION: 2015 Squad Bids
PREPARED BY: Captain Robert D. Halverson
REPORT DATE: December 11, 2014
MANAGER'S REVIEW/COMMENTS: <ul style="list-style-type: none"><input type="checkbox"/> No additional comments to this report.<input type="checkbox"/> See additional comments attached.
RECOMMENDATION: <p>To approve the purchase of one Ford Interceptor Police Utility vehicle for \$18,090.00 (\$26,590.00 - \$8,500.00 trade-in value) from Griffin Ford, 1940 E. Main Street, Waukesha, WI 53186 and one Chevrolet Tahoe police/pursuit rated SUV for \$33,997.00 from Ewald Automotive Group 36833 E. Wisconsin Avenue Oconomowoc, WI 53066 and all related set up equipment and services.</p> <p>Total cost of vehicle purchases including trade in: \$52,087.00</p>
EXPLANATION: <p>The routine replacement of squad cars in the police department's fleet involves the replacement of two police patrol vehicles and the trade-in of one patrol vehicle in 2015, thus increasing the police vehicle fleet from 11 to 12 vehicles (4 unmarked and 8 marked). Recently, the department has identified the need for an additional marked vehicle in the fleet due to officers having to wait for a vehicle while another officer from a previous shift is finishing a call for service or a vehicle is down for repair and/or otherwise unavailable for use. In 2015, replacement of the department's full size SUV Command Post/Supervisor's vehicle is due. This full size SUV is used for towing the command post trailer, the speed enforcement trailer and is specially equipped to perform as a command post for use in critical incidents.</p> <p>Approximately 35 dealerships in the southeastern Wisconsin area were contacted and 11 dealerships requested bid packets. We received completed bid packets from only two dealerships.</p> <p>After reviewing the bids submitted and evaluating each bid and the vehicles proposed, the above recommendation was made with the goal of providing the most cost efficient and best vehicles to serve our department.</p> <p>In 2014 the department created its capital budget plan to replace two fleet vehicles in 2015. Based upon that plan, \$92,076.00 was approved for vehicles in 2015. The total purchase price for the two police vehicles is \$52,087.00. The remainder of the funds will go towards equipment, set up and installation.</p>

2015 MARKED PATROL SQUAD BID PACKAGES

DEALER	MAKE	MODEL	BID	OFFERED TRADE	VEHICLES NET COST
EWALD CHEVROLET	CHEVROLET	TAHOE 4WD POLICE RATED	\$33,997.00	\$0.00	\$33,997.00
GRIFFIN FORD	FORD	EXPEDITION NON-RATED 4WD	\$29,590.00	\$0.00	\$29,590.00
EWALD FORD	FORD	UTILITY POLICE INTERCEPTOR - AWD	\$26,545.00	\$6,000.00	\$20,545.00
GRIFFIN FORD	FORD	UTILITY POLICE INTERCEPTOR - AWD	\$26,590.00	\$8,500.00	\$18,090.00



REQUEST FOR CONSIDERATION

COMMITTEE:	Finance/Public Works Committee
ITEM DESCRIPTION:	Library public computing upgrades
PREPARED BY:	Brian Williams-Van Klooster, Library Director
REPORT DATE:	10/22/14
MANAGER'S REVIEW/COMMENTS:	<p><input checked="" type="checkbox"/> No additional comments to this report.</p> <p><input type="checkbox"/> See additional comments attached.</p>
RECOMMENDATION:	Approve upgrades and replacements
EXPLANATION:	<p>Public internet access is one of our most-used services. 2014 statistics show a steady increase in computer use of up to 33% compared to last year. Each of 14 public internet computers is powered on or in use 47 hours per week. The public expects library computers to be fast, up-to-date, free of harmful viruses, and working properly. The public also expects the library to have a wireless system, one that is speedy and reliable.</p> <p>Industry standard computer life cycle recommendation for office computer equipment is 4 years for desktop PCs, and 5 years for networking hardware and servers. 14 public desktop PCs were installed in 2010 at a cost of \$1015 each including software, installation and configuration. They are scheduled for replacement in order to pre-empt service outages due to failing aging hardware.</p> <p>The public wireless internet system was installed in 2008. It has reached end-of-life status and is no longer supported by the manufacturer. A new wireless router will double access speeds and enable us to take full advantage of the network speed gains from our upgrade to a fiberoptic connection in 2014.</p> <p>Vendors were selected with help of Brown Deer Schools IT department for price competitiveness and verified by MCFLS IT department as supportable.</p> <p>Attachments:</p> <ul style="list-style-type: none">• Expenditure Detail

CIP item	Brand (if applicable)	Pricing	Vendor	Notes
Public desktop computers (12)	HP	\$7512 (total)	PDS	Includes 5 year warranty, no monitors
Wireless access points (2)	Cisco Meraki	\$3000	DigiCorp	Equipment, labor, 3 year site licenses
Rack mount surge protector (2)		\$120 (total)		
Public laptop computers (4)	HP	\$3740	PDS	Includes 3 year warranty
Microsoft Office renewal (16)		\$480	Microsoft	
Labor – installation of public computers		\$1300	MCFLS	Estimated-performed by MCFLS staff
TOTAL REQUEST		\$16,152		



REQUEST FOR CONSIDERATION

COMMITTEE:	Finance & Public Works, Village Board
ITEM DESCRIPTION:	ArcGIS Server Development Agreement Phase II w/ Ruekert/Mielke
PREPARED BY:	Matthew Maederer, P.E., Director of Public Works/Village Engineer
REPORT DATE:	November 24, 2014
MANAGER'S REVIEW/COMMENTS:	<input type="checkbox"/> No additional comments to this report. <input type="checkbox"/> See additional comments attached.
RECOMMENDATION:	Approval for the ArcGIS Server Development Agreement Phase II w/ Ruekert/Mielke
EXPLANATION:	<p>Phase I of the GIS conversion was approved at the August 6th, 2014 Finance & Public Works Committee meeting and the subsequent Village Board meeting on Monday, August, 18th. Phase I of the conversion is now substantially complete and currently under staff review before public launch.</p> <p>A demonstration of the completed Phase I activities will be made for the Committee at the meeting.</p> <p>As discussed at the previous meeting subsequent GIS conversion/upgrade phases were budgeted for additional GIS capabilities which will provide greater efficiency within each user group and department.</p> <p>Staff met with representatives from Ruekert/Mielke (R/M) to discuss and prioritize the items which were to be included in Phase II of the project.</p> <p>Phase II was budgeted for 2015 and includes the following tasks/goals:</p> <ul style="list-style-type: none">• Incorporate available GIS tools into the ArcGIS Server web application to assist with the Village's CMOM program for the Village's sanitary sewerage features.<ul style="list-style-type: none">○ This goal will greatly enhance field data collection and data storage.• Convert the Village's stormwater data into a compatible format and incorporate it into the proposed ArcGIS Server web application.<ul style="list-style-type: none">○ This is similar to what was completed under Phase I for the sanitary sewer system.• Implement a Document Upload feature along with the addition of static layers for Snow Plow & Garbage routes, and stormwater management plans & documents stored by parcel.

FINANCING:

The project is a 2015 CIP budgeted expense. The funding source is property tax levy.

Summary:

- CIP Project No. CS/15/01c
- Account No. 320-000-71-5-82-50 – Village Hall Computer & Equipment

Budget = \$50,000

Actual = \$49,675 (not-to-exceed)

Balance = (\$325)

Upon execution of this Agreement, R/M indicated they will begin work on the Project almost immediately. Phase III is budgeted for the year 2016. \$50,000.00 is shown for both 2015 and 2016 in the 2015-2019 CIP budgets.

RECOMMENDATION:

Staff requests permission to enter into the agreement with Ruekert/Mielke to provide the Village with Phase II of the Server Conversion Project at a cost not-to-exceed \$49,675.00.

Attachments:

- Agreement w/ Ruekert/Mielke for Phase II
- Excerpts from the 2015-2019 CIP

October 16, 2014

Draft

Mr. Nate Piotrowski
Community Services Director/Planning and Zoning Specialist
Village of Brown Deer
4800 West Green Brook Drive
Brown Deer, WI 53223

Re: 2015 GIS Services
ArcGIS Server Development Agreement (Phase 2)

Dear Mr. Piotrowski :

In follow up to our recent meeting with you, Matthew Maederer and Jim Buske, we are providing you with this Agreement to convert the Village's existing MapGuide GIS web application to an ArcGIS Server web application.

With the advancement of internet speeds and mobile technology over the last several years, we continue to expand our GIS services and enhance our user interface & management tools to simplify user access and improve efficiency and productivity for our municipal clients.

To that end, the proposed Phase 2 GIS agreement is intended to fulfill the following goals identified by the Village:

- Goal 1: Incorporate available GIS tools into the ArcGIS Server web application to assist with the Village's CMOM (capacity, maintenance, operations and management) program for the Village's sanitary sewerage features.
- Goal 2: Convert the Village's storm water data into a compatible format and incorporate it into the proposed ArcGIS Server web application.
- Goal 3: Implement a Document Upload feature along with the addition of static layers for Snow Plow and Garbage routes, and Storm Water Management plans and documents stored by parcels.

Mr. Nate Piotrowski
Village of Brown Deer
ArcGIS Server Development Agreement (Phase 2)
October 16, 2014
Page 2

The following Schedule of Attachments are components of this proposal and agreement by reference:

Attachment A	Scope of Services - Sewer Utility Tools and Administration Tools
Attachment B	Scope of Services - Import and Convert Map Layers
Attachment C	Preliminary GIS Implementation Schedule
Attachment D	Scope of Services - Training
Attachment E	Cost Summary
Attachment F	Ruekert & Mielke, Inc. Standard Terms and Conditions-GIS Version

If you have any questions or need any additional information please feel free to call me. We look forward to supporting the Village of Brown Deer's objective of gaining efficiencies through the use of its GIS.

Very truly yours,

RUEKERT & MIELKE, INC.

Stanley R. Sugden, P.E. (WI, IL)
Vice President/Principal/
Senior Project Manager
ssugden@ruekert-mielke.com

SRS:jkc
Enclosures

Attachments A-G

cc: Mr. Matthew S. Maederer, P.E., Village of Brown Deer
Timothy J. Anderson, Ruekert & Mielke, Inc.
File

Mr. Nate Piotrowski
Village of Brown Deer
ArcGIS Server Development Agreement (Phase 2)
October 16, 2014
Page 3

These professional services will be provided to you in accordance with the attached two page **GIS Standard Terms & Conditions** dated March 7, 2014 (Attachment F). Please indicate your acceptance of this agreement by having the appropriate authorized official(s) affix their signature(s) where indicated and returning one fully executed copy to our office.

CLIENT NAME:

Village of Brown Deer

By: _____

Title: _____

Date: _____

CONSULTANT:

Ruekert & Mielke, Inc.

By: _____

Title: Senior Vice PresidentDate: October 16, 2014

ATTEST:

By: _____

Title: _____

Date: _____

Designated Representative:

Name: _____

Title: _____

Phone Number: _____

Designated Representative:

Name: Timothy J. Anderson

Title: Principal/CADD/GIS Team LeaderPhone Number: 262-542-5733

ATTACHMENT A

Scope Of Services – Sewer Utility Tools and Administration Tools

Department	Asset Type	Tool / Form	Existing Tools In Current Application	Tools Included In This Agreement
Sewer Utility	Manholes	Attribute Edit Form		X
		Inspection and Repair Forms (CMOM)		X
		Overflow Form (CMOM)		X
		Rehabilitation		
		Lift Station Attribute Edit Form		X
	Pipes	Attribute Edit Form		X
		Lateral Inspection Form		
		Pipe Cleaning Tool (CMOM)		X
		Pipe Condition Tool (CMOM)		X
		Pipe Televising Tool		
		Rehabilitation		
	Links	CCTV		
		CCTV Defect Reports		
	System	System Maps		
	Parcels	Service Request Form		
		Basement Backup Form (CMOM)		X
		Clear Water Code Compliance		
		Inspection Tool		
		Foundation Drain Tool		
Water Utility	Hydrants	Attribute Edit Form		
		Inspection and Repair Forms		
		Flow Test Form		
	Valves	Attribute Edit Form		
		Inspection and Repair Forms		
	Pipes	Attribute Edit Form		
		Main Breaks Form		
	System	Water Model		
		System Maps		
	Curb Stop	Curb Stop Tool		
	Parcels	Water Quality Tool		
	Water Meter	Meter Tool		

Department	Asset Type	Tool / Form	Existing Tools In Current Application	Tools Included In This Agreement
Storm Utility	Structure	Attribute Edit Form		
		Inspection and Repair Forms		
	Pipes	Attribute Edit Form		
	System	System Maps		
	Inlets/Catch Basins	West Nile Larva		
	Outfalls	Illicit Discharge		
	Pond	Pond Inspection		
	Construction Site	Erosion Control		
Administration	Parcels	Commercial Businesses		
		Zoning		X
		Cemetery Records		
		Document Upload		X
		Property Assessment (Portal + Paid)		
Public Works	Sign Support	Sign and Support Attribute Edit Forms		
	Street Lights	Poles Attribute Edit Form		
		Poles Maintenance		
		Cable Attribute Edit Form		
		Cable Maintenance		
		Pullbox Attribute Edit Form		
		Pullbox Maintenance		
	Sidewalk	Inspection		
	Curb	Inspection		
	Centerlines	WISLR Information		
		Plow Routes		
		Garbage Collection Routes		
	Parcels	Garbage Collection Areas		
Forestry		Street & Park Trees Attribute Edit Form		
		Street & Park Trees Maintenance Form		
		Point Gypsy Moth		

Department	Asset Type	Tool / Form	Existing Tools In Current Application	Tools Included In This Agreement
Emergency Services	Points	Police/Fire/EMS		
Miscellaneous	Point	Place Photo		
	Links	County Tax Records		
		Subdivision Plans		
	Misc.	Asbuilt/Record Drawings		
		PLSS Tools		
		Print Templates		
		Map Gallery		
		Bench Mark Edit Attribute Form		
	NR 151	NA		
Access	Mobile Access	HTML 5 Viewer		
	Public Access	Public Site		
	Arc SDE	GIS Feature Maintenance		

ASSUMPTIONS:

1. The Village of Brown Deer will provide a list of which layers/tools each user should have access to.

SEWER UTILITY

MANHOLE ATTRIBUTE EDIT FORM

Our internet-based tool includes a simple form for manhole attributes.

Queries can be run to quickly see the location of manholes based on any of the attribute values. Manhole attribute reports can also be generated and printed.

The screenshot displays the 'Manhole Dashboard' interface. At the top, a header reads 'GENERAL MANHOLE DATA'. Below this, a form contains the following fields: Manhole No., Rim, Frame, Material (set to 'Poured'), Comments, Basin (7), Depth (9.00), Cover, Year Installed, Street (E COOLIDGE ST), Size, Type (Manhole), and Status (Select ...). An 'Edit' button is centered below the form. Below the form are four tabs: 'Summary' (selected), 'Inspections', 'Repairs', and 'Overflow'. Under the 'Summary' tab, there are two sections: 'INSPECTIONS' with the text 'No Inspection Records Found.' and 'REPAIR HISTORY' with the text 'No Repair Records Found.'. At the bottom of the dashboard is a 'Close' button.

Manhole Dashboard

The screenshot displays the 'Manhole Attribute Edit Form' interface. It features a header 'GENERAL MANHOLE DATA' and a form with the following fields: Manhole No., Rim, Frame, Material (a dropdown menu set to 'Poured'), Comments, Basin (7), Depth (9.00), Cover, Year Installed, Street (E COOLIDGE ST), Size, Type (a dropdown menu set to 'Manhole'), and Status (a dropdown menu set to 'Select ...'). At the bottom of the form are 'Save' and 'Cancel' buttons.

Manhole Attribute Edit Form

SEWER UTILITY

MANHOLE OVERFLOW FORM

Our internet-based tool includes a simple form to track sanitary sewer manhole overflows which may be required by regulatory agencies and/or for CMOM programs.

Queries can be run to quickly see the location of manholes based on manhole overflow form attributes. Manhole overflow reports can also be generated and printed.

The screenshot displays the 'Manhole Dashboard' interface. At the top, there is a 'GENERAL MANHOLE DATA' section with a table of fields: Manhole No., Rim, Frame, Material (Brick), Comments, Basin (6), Depth (10.00), Year Installed, Street (N OAKWOOD AVE & E LISBON RD), Size, Type (Manhole), and Status (Select...). Below this table is an 'Edit' button. Underneath, there are four tabs: 'Summary', 'Inspections', 'Repairs', and 'Overflow'. The 'Overflow' tab is active, showing a message 'No Overflow Records Found...' and a 'New Incident' button. At the bottom of the dashboard is a 'Close' button.

Manhole Dashboard

The screenshot shows the 'MANHOLE OVERFLOW' form. It contains several input fields: Inspector, Date Reported (with a calendar icon), Time Reported, Personnel Arrival Time, Time Overflow Stopped, Total Time of Overflow, Receiving Waters, and Overflow Volume(gal). There are three large text areas for 'Incident Description', 'Description of Response/Actions Taken', and 'Clean up methods used'. Below these are several checkboxes: Sign Posted, DNR Notified, Barricaded, Wildlife in Danger, and Sample Taken. An 'Additional Comments' field is at the bottom. At the very bottom are 'Save' and 'Cancel' buttons.

Manhole Overflow Form

MapGuide Site Includes:

- Attributes in AQB
- Show/Hide Manholes with Overflow Reports
- Manhole Overflow Report

SEWER UTILITY

LIFT STATION FORM

Our internet-based tool includes a simple form for lift station attribute information, pump attributes, SCADA monthly flow data, and completed lift station repairs.

Queries can be run to quickly see the location of lift stations based on lift station or pump attributes, and required or completed repairs. Lift station attribute reports can also be generated and printed.

GENERAL MANHOLE DATA

Manhole No:	Basin: 6	Street: CHRISTOPHER CT
Rim: 9999.00	Depth: 6.00	Size:
Frame:	Cover:	Type: Lift Station
Material: Poured	Year Installed:	Status: Select ...
Comments:		

[Edit](#)

Lift Station

LIFT STATION

General ID No:	Manhole:	Asbuilt:
Location:	In Operation:	Total Dynamic Head:
Bottom of Wet Well:	Inlet Elevation:	
Suction Elevation:	Static Head Pressure:	

PUMP

Number of Pumps:	Pump Manufacturer:	Total Capacity:
Sump Pump:	Wet Well:	Discharge Point Location:
Force Main Size:	Force Main Length:	Force Main Material:
Dedicated Emergency Power:	D.E.P RPM:	Acreage Served:
Area Served:		

SCADA INFORMATION

Date:	Min Monthly Flow:	Max Monthly Flow:
-------	-------------------	-------------------

[Edit](#)

REPAIRS

	Repair Date	Cost	Description
Edit	5/15/2012	\$150.00	
Delete			
Edit	9/16/2013	\$15.00	test
Delete			
Edit	2/19/2014	\$250.00	Switch
Delete			
Add Repair	<input type="text"/>	<input type="text"/>	<input type="text"/>

[Close](#)

Lift Station Form

SEWER UTILITY

PIPE ATTRIBUTE EDIT FORM

Our internet-based tool includes a simple form for sewer pipe attributes.

Queries can be run to quickly see the location of pipe segments based on any of the attribute values. Pipe attribute reports can also be generated and printed.

PIPE DATA			
Pipe ID:	Diameter: 4	Length: 383.0	Street: COOLIDGE ST
Material: PVC	Type: Gravity Main		
Year Cleaned:	Year Televised:	Year Installed:	Status: Active
Up Inv:	Up Dir: Select ...	Dn Inv:	Up Dir: Select ...
Comments:			
Edit			
CCTV Video	Condition Reports	Rehab	Cleaning Records Repairs

Pipe Dashboard

PIPE DATA			
Pipe ID:	Diameter: 4	Length: 383.0	Street: COOLIDGE ST
Material: PVC	Type: Gravity Main		
Year Cleaned:	Year Televised:	Year Installed:	Status: Active
Upstream # Select ...	Downstream # Select ...		
Up Inv:	Up Dir: Select ...	Dn Inv:	Up Dir: Select ...
Comments:			
Save Cancel			

Pipe Attribute Edit Form

SEWER UTILITY

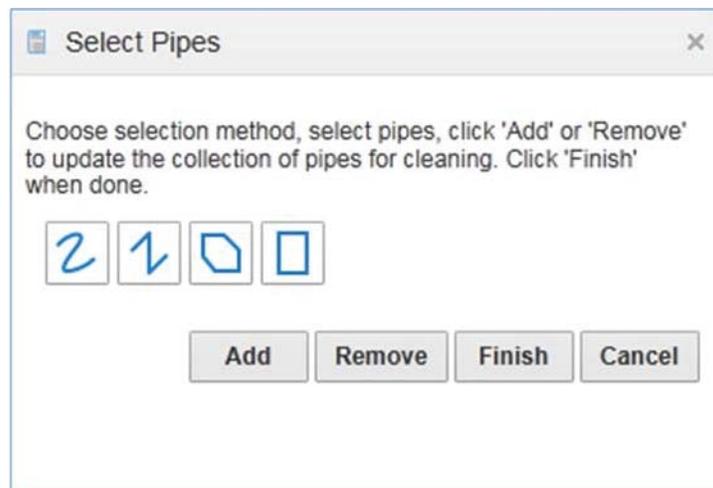
PIPE CLEANING TOOL

Our internet-based tool includes a form and tool for recording sewer pipe cleaning work. Completed reports are accessed via the pipe dashboard.

A Workflow is provided to search for pipe cleaning records based on date range. Additionally, using the built-in query tools, users can also create on-the-fly queries to search for pipe cleaning records or pipe segments based on other pipe cleaning attributes.



Sanitary Tools Toolbar



Select Pipes for Cleaning

SEWER CLEANING DATA					
Reason:	Routine Cleaning		Total Footage:	798.0	
Date:	3/24/2014		Hours of Sewer Jet Use:		
Starting Street:			Water Used (gal.):		
Grit Removed (cu. ft.):					
Operators:					
Location/Purpose:					
Edit					
Sanitary Pipes Cleaned					
From MH	To MH	Footage	Size	Times Jetted	Street Name
		383.00	4.00	1	COOLIDGE ST
Comment:					
		415.00	4.00	1	COOLIDGE ST
Comment:					
Print Export to CSV					

Sewer Pipe Cleaning Form

PIPE DATA							
Pipe ID:	Diameter:	4	Length:	383.0	Street:	COOLIDGE ST	
Material:	PVC	Type:	Gravity Main				
Year Cleaned:	2014	Year Televised:		Year Installed:		Status:	Active
Up Inv:		Up Dir:	Select ...	Dn Inv:		Up Dir:	Select ...
Comments:							
Edit							
CCTV Video Condition Reports Rehab Cleaning Records Repairs							
Cleaning History							
	Cleaning ID	Date	Times Jetted				
Cleaning Record	84	03/24/2014	1				
Close							

Pipe Dashboard - Sewer Pipe Cleaning History

Sewer Cleaning Query

Date Range

From Date: 1/1/2014

To Date: 3/24/2014

Search

Search Tools – Sewer Cleaning Query

Resulting pipe segment records are returned in List or Table view formats. Pipe segments are also highlighted on the map.

SEWER UTILITY

PIPE CONDITION TOOL

Our internet-based tool includes a simple form for recording sewer pipe condition ratings. Completed reports are accessed via the pipe dashboard.

Workflows are provided to search for sewer pipe segments based on defect types, and severity & condition ratings. Pipe cleaning reports can be generated and printed.



Sanitary Tools Toolbar

The image shows a 'PIPE DATA' form for recording pipe information. Fields include: Pipe ID, Diameter (4), Length, Street (PINE TERRACE), Material (PVC), Type (Gravity Main), Year Cleaned, Year Televised, Year Installed, Status (Active), Up Inv, Up Dir (Select...), Dn Inv, and Up Dir (Select...). There is a 'Comments' text area and an 'Edit' button. Below the form is a 'CONDITION HISTORY' section with a 'Create New Condition Report' button. To the right is a 'Ratings:' list with 10 numbered items describing pipe conditions, such as 'Badly cracked pipe, Major roots, Out of round, Major infiltration, Major sages' and 'Newly installed pipe with uniform slope and tight joints, No infiltration'. A 'Close' button is at the bottom.

Sewer Pipe Dashboard – Condition Reports

PIPE CONDITION

Date:
DVD#:

Condition Rating:
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10

CONDITION DETAILS

	Footage	Description	Severity	Notes
<input type="button" value="Add"/>	<input type="text"/>	<input type="text" value="Select..."/>	<input type="text" value="Select..."/>	<input type="text"/>

Pipe Condition Details Form

PIPE DATA

Pipe ID: <input type="text"/>	Diameter: <input type="text" value="4"/>	Length: <input type="text"/>	Street: <input type="text" value="PINE TERRACE"/>
Material: <input type="text" value="PVC"/>	Type: <input type="text" value="Gravity Main"/>	Year Cleaned: <input type="text"/>	Year Televised: <input type="text"/>
Year Installed: <input type="text"/>	Status: <input type="text" value="Active"/>	Up Inv: <input type="text"/>	Up Dir: <input type="text" value="Select..."/>
Up Dir: <input type="text" value="Select..."/>	Dn Inv: <input type="text"/>	Up Dir: <input type="text" value="Select..."/>	

Comments:

CCTV Video

Condition Reports

Rehab

Cleaning Records

Repairs

CONDITION HISTORY			
	Date	DVD #	Rating
<input type="button" value="Details"/>			1
<input type="button" value="Details"/>			1
<input type="button" value="Details"/>			1
<input type="button" value="Details"/>			1

Ratings:

1. Badly cracked pipe, Major roots, Out of round, Major infiltration, Major sages
2. -
3. Moderately cracked pipe, Moderate roots, Little Infiltration, Moderate sages
4. -
5. Clay pipe with hair line cracks, Minor roots, No infiltration, No sages
6. -
7. Good Clay pipe with uniform slope and tight joints, no roots, Lined clay with no infiltration at laterals
8. Newer pipe with non-uniform slope, Minor sages, Minor separated joints
9. -
10. Newly installed pipe with uniform slope and tight joints, No infiltration

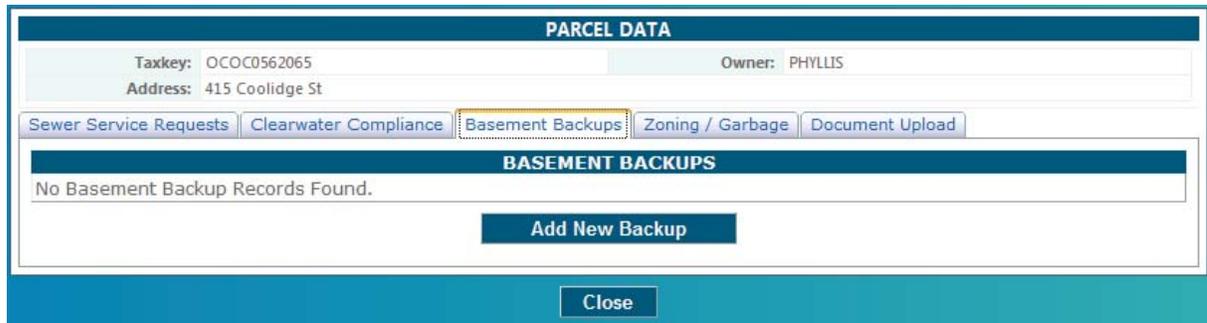
Pipe Condition Reports

SEWER UTILITY

BASEMENT BACKUP

Our internet-based tool includes a simple form for recording basement backups. Completed records are accessed via the parcel dashboard.

Using the built-in query tools, users can create on-the-fly queries to search for basement backups based on basement backup record attributes. Basement backup reports can be generated and printed.



The screenshot shows a web interface titled "PARCEL DATA". It displays the following information:

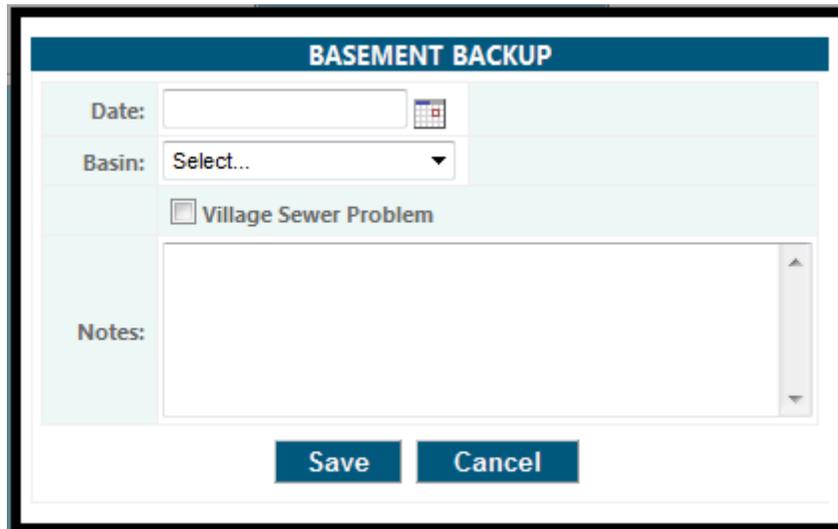
- Taxkey: OCOC0562065
- Address: 415 Coolidge St
- Owner: PHYLLIS

Below this information are several tabs: "Sewer Service Requests", "Clearwater Compliance", "Basement Backups" (which is highlighted), "Zoning / Garbage", and "Document Upload".

Under the "Basement Backups" tab, there is a section titled "BASEMENT BACKUPS" containing the text "No Basement Backup Records Found." and a blue button labeled "Add New Backup".

At the bottom of the interface is a "Close" button.

Parcel Dashboard – Basement Backup



The screenshot shows a form titled "BASEMENT BACKUP". It contains the following fields and controls:

- Date: A text input field with a calendar icon.
- Basin: A dropdown menu with "Select..." as the current selection.
- Village Sewer Problem: A checkbox.
- Notes: A large text area for entering details.

At the bottom of the form are two buttons: "Save" and "Cancel".

Basement Backup Form

PARCEL DATA			
Taxkey: OCOC0562065		Owner: PHYLLIS	
Address: 415 Coolidge St			
Sewer Service Requests	Clearwater Compliance	Basement Backups	Zoning / Garbage Document Upload
BASEMENT BACKUPS			
Date	Basin	Village Problem	Notes
3/24/2014		<input checked="" type="checkbox"/>	Scheduled jetting.
Add New Backup			
Close			

Pipe Dashboard – Basement Backup History

Parcels having Basement Backup records are displayed in two colors:

- Red = Municipalities responsibility
- Orange = Resident / Owner responsibility

ADMINISTRATION

DOCUMENT UPLOAD TOOL

1. Document Upload Tool

- A. The Parcel Document Upload form allows the user to view and link digital documents to parcel records for parcels identified through the GIS map. Uploaded files can be almost any file type (.doc, .pdf, .jpg) but zip files will not be permitted due to security reasons.

Parcel Dashboard with Document Upload Tab

PARCEL DATA					
Taxkey: OCOC0593982		Owner: John			
Address: 1234 Mayberry					
Sewer Service Requests	Clearwater Compliance	Basement Backups	Zoning / Garbage	Document Upload	
	Open	Document Date	Description	Document Type	Date Last Edited
Delete	20130617151732644.pdf	6/17/2013	Test	Final As-Built	6/17/2013
Add New Document					
Close					

Select a Document Form

Date:

Document Type:

Document Description:

Upload:

2. Layer to show Parcels with Documents

- A. A layer will be added that highlights parcels that have documents attached to them.

ADMINISTRATION

PARCEL BASED ZONING TOOL

Our internet-based tool includes a simple process for updating parcel zoning classifications. The tool requires that zoning classifications are assigned to parcel polygons.

The screenshot displays a web interface for parcel management. At the top, a dark blue header reads "PARCEL DATA". Below this, a light green box contains the following information: Taxkey: OCOC0543044, Address: 1078 Yosemite Rd, and Owner: CHARLES. A row of navigation tabs includes "Sewer Service Requests", "Clearwater Compliance", "Basement Backups", "Zoning / Garbage" (which is highlighted with a blue border), and "Document Upload". The main content area is divided into two sections: "ZONING" and "GARBAGE". The "ZONING" section features a dropdown menu labeled "Zoning:" with "R-1" selected, and a dark blue "Edit" button below it. The "GARBAGE" section has a dark blue "Add Collection Day" button. At the bottom center of the interface is a "Close" button.

Parcel Dashboard – Zoning

The drop-down menu will include your communities zoning classifications.

ATTACHMENT B

Scope Of Services - Import and Convert Map Layers

- A. Import Digital Map Layers into the Web Application without configuration. The following layers will be created using hard copy of PDF maps provided by the Village:

LAYERS

- Plow Routes
- Garbage Routes
- Storm Water Management Areas
- Import Storm Water Management Plans

- B. Convert Digital Map Layer Attribute Tables into the required format for incorporation into the Web Application. Includes the extraction of the CAD data, joining it with the attributes and then loading it into the predefined feature classes that are in our standard format for the following layers:

Utility Feature Classes

Storm Utility

- Separate storm utility features (structures, pipes, etc) provided by the Village and display each on a separate layer in the GIS under a Storm Sewer Utility layer group.

Data Cleanup & Formatting

Storm Utility

- Load attribute information provided by the Village into our standard attribute data model (unique ID, size, material, elevations, etc.).
- Verify connectivity between pipe segments and utility features.
- Where a pipe segment is not snapped to structure insertion points, we will snap the pipe segment to the structure insertion point without moving the structure.
- Verify flow direction within pipe network for gravity systems.
- Where flow direction is missing or incorrect, we will add or correct.
- Verify each structure feature has a unique ID.
- Where a structure does not have a unique ID, we will assign one.
- Assign a unique ID to each pipe segment.

Assumptions:

1. Data conversion or preparation for additional layers not outlined above in this Scope of Services will incur additional costs.

ATTACHMENT C

Preliminary GIS Implementation Schedule

Tasks	Week																
	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	
Review GIS Data	■																
Import & Convert Map Layers		■	■	■	■												
GIS Tool Implementation																	
Sewer Utility Tools		■	■	■	■	■											
Document Upload Tool/Zoning Tool					■	■	■										
User Training																	
Sewer Utility Staff								■	■	■							
General Staff								■	■	■							
Project Closeout											■	■					

Actual Implementation Schedule to be mutually determined by the Village of Brown Deer and Ruekert & Mielke, Inc. Project Managers.

1. ArcGIS Server Web Application Development Schedule: Within 90 days following the authorization to proceed.
2. Training Schedule: Within 2 weeks following the completion of the ArcGIS Server Web Application.
3. Review, Testing & Acceptance Period: Within 10 days following the completion of training.

ATTACHMENT D

Scope of Services - Training

Training sessions will be conducted for the Village of Brown Deer staff on use of the ArcGIS Server web application and Geocortex tools.

On-site training will be conducted at the Village of Brown Deer in one four (4) hour session with up to eight (8) users per session as described below:

Training Type	Users	Duration
General	All users using the ArcGIS Server website. Groups limited to 8-10 users	2 hours
Sanitary Sewer Utility Staff	All users who will have access to sanitary sewer tools	2 hour

Additional training can be provided upon request. On-site training costs include travel time and mileage from our Waukesha office.

- Village of Brown Deer will provide facility, computers, and high-speed internet connection for each student (if desired).
- R/M will provide the instructor's computer and a projector.
- Additional training can be provided at \$150/hour.
- Follow-up support will be provided via WebEx, conference call, and/or email at \$150 per hour.
- Training Schedule: Within two weeks following the completion of the Arc Server Web Application.

Other options for user training, such as “train the trainer” – which includes training one or more individuals that are technically savvy and are capable of training other staff - are also available. We suggest a discussion of various training options as development of the application nears completion.

ATTACHMENT E

Cost Summary

Attachment	Scope of Services	Unit	Cost
A	Sewer Utility and Administration Tools	L.S.	\$38,075
B	Import and Convert Map Layers	L.S.	\$11,600
E	Training (included)		
	TOTAL COST		\$49,675

L.S. = Lump Sum

Items Not Included:

1. Tool costs indicated are for our standard tools as shown in the provided snapshots. Customization of the forms or tool functionality can be negotiated for an additional fee or completed on a time & material basis.

A. Standards of Performance

The standard of care for all professional consulting and related services performed or furnished by Consultant under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Consultant makes no warranties, express or implied, under this Agreement or otherwise, in connection with any services performed or furnished by Consultant.

B. Authorized Representative

With the execution of this Agreement, Consultant and Owner shall designate specific individuals to act as Consultant's and Owner's representatives with respect to the services to be performed or furnished by Consultant and duties and responsibilities of Owner under this Agreement. Such individuals shall have authority to transmit instructions, receive information, and render decisions relative to the Assignment on behalf of the respective party whom the individual represents.

C. Payments to Consultant

Invoices will be prepared in accordance with Consultant's standard invoicing practices and will be submitted to Owner by Consultant monthly, unless otherwise agreed. Invoices are due and payable within 30 days of receipt. If Owner fails to make any payment due Consultant for services and expenses within 30 days after receipt of Consultant's invoice therefor, the amounts due Consultant will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day. In addition, Consultant may, after giving seven days written notice to Owner, suspend services under this Agreement until Consultant has been paid in full all amounts due for services, expenses, and other related charges.

D. Ownership and Reuse of Documents

All materials developed, prepared, completed, or acquired by Consultant during the performance of the services specified in this contract, including all finished or unfinished surveys, data, drawings, maps, photographs, and reports, shall become the property of Owner and shall be delivered to Owner during the contract period. Such materials shall not be released by Consultant or used for other purposes at any time without the written approval of Owner.

No drawings, maps, photographs, documents, reports, or other data prepared or completed under this contract agreement shall be copyrighted by Consultant, nor shall any notice of copyright be registered by Consultant in connection with any such material prepared or completed under this contract.

E. Owner Provided Information

Consultant shall have the right to rely on the accuracy of any information provided by Owner. Consultant will not review this information for accuracy.

F. Access

Owner shall arrange for safe access to and make all provisions for Consultant and Consultant's consultants to enter upon public and private property as required for Consultant to perform services under this Agreement.

G. Limit of Liability

To the fullest extent permitted by law, the total liability, in the aggregate, of Consultant and Consultant's officers, directors, partners, employees, agents, and consultants, or any of them to Owner and anyone claiming by, through, or under Owner, for any and all injuries, losses, damages and expenses, whatsoever arising out of, resulting from, or in any way related to this Agreement from any cause or causes including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract or warranty, express or implied, of Consultant or Consultant's officers, directors, partners, employees, agents, and Consultants, or any of them, shall not exceed the total amount of \$2,000,000.00.

H. Insurance

Consultant will maintain insurance coverage for Workers' Compensation, General Liability, and Automobile Liability and will provide certificates of insurance to Owner upon request.

I. Termination of Contract

Either party may at any time terminate this Agreement with 7 days written notice for cause in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. Owner may terminate this Agreement for convenience with 30 days written notice, or the Project may be suspended by Owner with 30 days written notice. In the event of suspension or cancellation for convenience by Owner, Owner shall pay to Consultant all amounts owing to Consultant under this Agreement, for all work performed up to the effective date of notice.

J. Indemnification and Allocation of Risk

1. To the fullest extent permitted by law, Consultant shall indemnify and hold harmless Owner, Owner's officers, directors, partners, and employees from and against costs, losses, and damages (including but not limited to reasonable fees and charges of consultants, architects, attorneys, and other professionals, and reasonable court or arbitration or other dispute resolution costs) caused solely by the negligent acts or omissions of Consultant or Consultant's officers, directors, partners, employees, and consultants in the performance of Consultant's services under this Agreement.

ATTACHMENT F

2. To the fullest extent permitted by law, Owner shall indemnify and hold harmless Consultant, Consultant's officers, directors, partners, employees, and consultants from and against costs, losses, and damages (including but not limited to reasonable fees and charges of consultants, architects, attorneys, and other professionals, and reasonable court or arbitration or other dispute resolution costs) caused solely by the negligent acts or omissions of Owner or Owner's officers, directors, partners, employees, and consultants with respect to this Agreement.

3. To the fullest extent permitted by law, Consultant's total liability to Owner and anyone claiming by, through, or under Owner for any injuries, losses, damages and expenses caused in part by the negligence of Consultant and in part by the negligence of Owner or any other negligent entity or individual, shall not exceed the percentage share that Consultant's negligence bears to the total negligence of Owner, Consultant, and all other negligent entities and individuals.

4. The indemnification provision of paragraph J.1. is subject to and limited by the provisions agreed to by Owner and Consultant in paragraph G. "Limit of Liability," of this Agreement.

K. Independent Contractor

All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of Owner and Consultant and not for the benefit of any other party. Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either Owner or the Consultant. Consultant's services under this Agreement are being performed solely for the Owner's benefit, and no other entity shall have any claim against Consultant because of this Agreement or the performance or nonperformance of services hereunder. Owner agrees to include a provision in all contracts with Contractors and other entities involved in this project to carry out the intent of this paragraph.

L. Force Majure

Consultant shall not be liable for any loss or damage due to failure or delay in rendering any service called for under this Agreement resulting from any cause beyond Consultant's reasonable control.

M. Severability and Waiver of Provisions

Any provision or part of the Agreement held to be void or unenforceable under any Laws or Regulations shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Consultant, who agree that the Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision. Non-enforcement of any provision by either party shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

N. Dispute Resolution

Owner and Consultant agree that they shall first submit any and all unsettled claims, counterclaims, disputes, and other matters in questions between them arising out of or relating to this Agreement or the breach thereof ("disputes") to mediation as a condition precedent to litigation.

O. Public Records

Consultant agrees to comply with the requirements of Wisconsin Statutes Sections 19.32 to 19.39 and Sections 19.81 to 19.98 – Wisconsin Public Records Law and Open Meetings Law.

END OF DOCUMENT

Project Description	Project Number	2015 Total Project Cost	GO Debt	Grants & Aids	Trusts & Donations	Property Tax Levy	Fund Balance	Unfunded Requests
Available Funds			\$1,000,000			\$372,000	\$496,317	
Community Services								
Bradley Road Median Reconstruction	CS/15/01A	\$510,000	\$510,000					
N. 60th Street Reconstruction	CS/15/01B	\$945,848	\$411,175	\$534,673				
Web Based GIS	CS/15/01C	\$50,000				\$50,000		
W. Fairy Chasm Road	CS/15/02	\$35,000	\$35,000					
Crack sealing	CS/15/03	\$10,000	\$10,000					
Police Department								
2-Police Squad Cars	PD/15/01	\$92,076				\$92,076		
Network Fabric Switch	PD/15/02	\$17,000						\$17,000
Computer Station Upgrade	PD/15/03	\$4,000				\$4,000		
Taser Replacement	PD/15/04	\$10,474				\$10,474		
Squad Car Video Camera System	PD/15/05	\$30,000				\$30,000		
PD Small Equipment	PD/15/08	\$6,438				\$6,438		
Fire Department								
Annual contribution for capital	FD-001	\$194,519					\$194,519	
Dispatch Center								
Annual contribution for capital	BS-001	\$16,160				\$16,160		
Manager's Office								
Badger Meter Park	MGR/15/01A	\$263,209		\$23,209	\$40,000		\$200,000	
Computer replacement program	MGR/15/02	\$4,000				\$4,000		
New Voting Equipment	MGR/15/01B	\$17,750		\$16,500		\$1,250		
Park and Rec								
Fairy Chasm Play structure Replace	PRD/15/01	\$47,500	\$32,500			\$15,000		
Fairy Chasm Restroom / Roof	PRD/15/02	\$8,500				\$8,500		
Tractor Replacement	PRD/15/03	\$10,000						\$10,000
Library								
Fire Alarm Strobe/Horn Extension	LIB/15/04	\$5,000					\$5,000	
Public PC and Wireless Router	LIB/15/05	\$10,000					\$10,000	
Circulation Desk Design	LIB/15/01	\$5,000					\$5,000	
Public Works								
Patrol Truck 1-Ton (2YD) Salter	DPW/15/01	\$65,000				\$65,000		
Shop Tools & Equipment	DPW/15/02	\$15,000				\$15,000		
72-in Mower w/broom	DPW/15/03	\$25,000				\$25,000		
Emerald Ash Borer (EAB) Treatment	DPW/15/04	\$50,000		\$25,000		\$25,000		
Arbor Day	DPW/15/05	\$1,500						\$1,500
Beautification projects	DPW/15/06	\$5,000				\$5,000		
Software & Computer Upgrades	DPW/15/07	\$2,000						\$2,000
Municipal Complex HVAC Upgrades	DPW/15/08	\$50,000						\$50,000
Total		\$2,505,974	\$998,675	\$599,382	\$40,000	\$372,898	\$414,519	\$80,500
Balance			\$1,325			(\$898)	\$82,225	

VILLAGE OF BROWN DEER
2015 - 2019
CAPITAL IMPROVEMENT PROGRAM – PROJECT DETAIL

Department: Community Services **Project Number:** CS/15/1C

Project Name: Web Based GIS

Total Project Cost (Include Grants): \$2015- \$50,000 : 2016 - \$50,000 **Grants or Donations Amount:** 0

Project Type: Records Management

Provide a description of the project. (Include planning and construction dates, a map-highlighting area project area or picture of area, if applicable)

The Village's web based GIS map system is old and out of date. The current system provides limited functionality for visitors and Village Staff. In working with our longtime consultant on this project, Ruckert-Mielke we have identified a new platform that will update our system, speed it up, provide for more timely updates of property information and introduce new functionality to citizens and Staff. Ultimately we would like to build the system into a record keeping program that would allow for us to monitor municipal systems and assets (street trees, sewers, signs etc.) while allowing for project specific data to be tied to a mapping program. This project would span several years before full implementation and we plan to use \$30,000 budgeted in 2014 to begin the work.

Department: Community Services **Project Number:** CS/15/02

Project Name: W. Fairy Chasm Road- N. 51st Street. to N. 60th Street

Total Project Cost (Include Grants): 2015 - \$35,000 : 2016 - \$500,000 **Grants or Donations Amount:**

Project Type: Street Resurfacing

Provide a description of the project. (Include planning and construction dates, a map-highlighting area project area or picture of area, if applicable)

This proposal calls for the pavement on W. Fairy Chasm to be replaced and ditching to be corrected/repared along the length of the project from N. 51st Street to N. 60th Street. A paved sidewalk or multi-use trail is being considered to help accommodate cyclists and pedestrians using the Oak Leaf Trail or accessing Fairy Chasm Park.

This section of W. Fairy Chasm is starting to fail and is in need of repair. Additionally the paved section of roadway is much larger than necessary for current volumes and the Village is seeking to minimize this paved surface to reduce construction and future maintenance costs. Engineering and design would take place in 2015 with construction in 2016.



REQUEST FOR CONSIDERATION

COMMITTEE:	Finance & Public Works, Village Board
ITEM DESCRIPTION:	TIF No. 2 Street Re-Lighting Project
PREPARED BY:	Matthew Maederer, P.E., Director of Public Works/Village Engineer
REPORT DATE:	November 25, 2014
MANAGER'S REVIEW/COMMENTS:	<input type="checkbox"/> No additional comments to this report. <input type="checkbox"/> See additional comments attached.
RECOMMENDATION:	Approval of Option No. 4 for the TIF No. 2 Street Re-Lighting Project
EXPLANATION:	<p>The original street lighting project for TIF No. 2 was completed in 2003. The project included the green painted steel decorative poles, bases, arms, and fixtures. The original project included 26-twin light poles and 48-single light poles. Over the 11-year period the lights have been installed significant rusting has occurred due to the poor quality of the materials. Replacement parts have also become a burden and proved to be costly. Rather than spend large amounts of money replacing and re-painting the poles, etc. staff is recommending full replacement which would include LED lights versus the existing pulse-start metal halide lamps. The LED lights will further provide the Village an estimated 50% savings on annual energy costs.</p> <p>Currently the existing system is only functioning at half capacity due to the large number of light outages (i.e. burned-out lamps). The 3rd shift PD completed an assessment (attached) which found that 54-lights are not functioning. Staff is holding on lamp replacement due to the upcoming full system replacement project. At this time the existing outages are not posing a safety issue as per the PD assessment.</p> <p>For lighting replacement staff retained the services of Greg Sadowski, PE, an electrical engineer and president of Powrtek Engineering in Waukesha. Powrtek prepared four (4) options for the street lighting replacement which are attached along with a summary of costs.</p> <p>Staff's preference is Option No. 4. Although this is not the cheapest option of the four it provides the most decorative and closest match to the existing pole design. Staff's intent was to provide a more "classic" and "traditional" design which would not show age through the years to come. We believe Option No. 4 achieves this aesthetic goal. Additionally, staff was searching for a durable material which would not rust. We did not want a painted pole which would require painting maintenance. The pole and appurtenance material choices were narrowed to either aluminum or fiberglass both of which would be anodized. The aluminum material options (options 1-3) were not as decorative as the fiberglass option (option 4). The fiberglass option was also cheaper versus the most decorative aluminum option (option 3).</p>

After a replacement option is selected design plans and bidding documents will be prepared for installation. The project time-line would be to bid the project out in the months of January and/or February (2015) for construction work to be completed during the summer months of 2015 as part of the W. Bradley Road reconstruction project.

FINANCING: TIF No. 2 currently has a projected fund balance at the end of 2014 of **\$400,000**. All expenditures must be spent before the TIF closing date of December 31st 2017.

The estimated cost to replace the street light poles is **\$375,000** for Option 4 which leaves a balance of \$25,000. The balance could be spent on banners or other streetscaping elements as part of the W. Bradley Road reconstruction project.

RECOMMENDATION: Staff requests permission to proceed with the design plans for Option No. 4 at an estimated cost of \$375,000 as part of the W. Bradley Road reconstruction.

Attachment(s):

- TIF No. 2 Location Map (boundary)
- Police Department Assessment (e-mail & map)
- TIF No. 2 Original Street Light Improvement Project (plan-set)
- TIF No. 2 Re-Lighting Project Summary & Options (Nos. 1-4)



TAX INCREMENTAL DIST #9
(WITHIN GREEN OUTLINE)



120103

Matthew Maederer

From: Michael A. Kass <mkass@bdpolice.org>
Sent: Thursday, November 06, 2014 9:28 AM
To: 'Jim Buske'; Matthew Maederer
Cc: mhall@browndeerwi.org
Subject: FW: Lighting/Safety Assessment
Attachments: Bradley Sherman Teutonia Roadway Lighting.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Jim

Here is our initial assessment of the street lighting issue.

Mike

Michael A. Kass

Chief of Police
Village of Brown Deer Police Department
4800 West Green Brook Drive
Brown Deer, WI 53223
414-371-2900



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From: Lt. Daniel Krohn [mailto:dkrohn@bdpolice.org]
Sent: Thursday, November 06, 2014 5:40 AM
To: Captain Graeber
Cc: Chief Kass
Subject: Lighting/Safety Assessment

Captain Graeber,

I wanted to quickly give you the information that I have so far for the Lighting/Safety Assessment study. Please see the attached diagrams of the functioning and non-functioning street lighting for the affected area. There are a total of 98 street lights in the area of the study and 54 of those street lights are not functioning (55% not functioning). I analyzed crime data in the area of the study (year-to-date) and did not find any thefts, robberies or other crimes occurring on the streets related to, or affected by the lighting. I analyzed motor vehicle crashes in the area of the study (year-to-date) and found a total of 10 crashes occurring on the roadways. Of the 10 crashes, four occurred during hours of darkness. When reviewing the crash reports for those four crashes, obscured visibility or lighting were not listed as possible contributing highway factors.

Regarding the strong-arm robbery or theft that occurred on 11/04/14 at about 10:07 PM (14-11407), the actual incident occurred in the parking lot of the apartment complex adjacent to 4475 W. Dean Rd. The female victim was throwing away garbage in the dumpster in the parking lot when the suspect quickly approached her and took her keys and cellphone. The victim chased the suspect south from the lot to the area of 8200 N. Teutonia Ave. The incident did not occur in the area of the street lighting.

I am not aware of any previous lighting studies that may have been completed prior to the lighting project that analyzed the effects of the lighting relating to the deterrence of criminal activity. Increased lighting usually makes people less fearful of crime at night; however, I did not locate a specific criminal incident occurring this year on the streets in this area where the actor advantageously used low street lighting to commit the act or evade police. If only some of the lights can be replaced, my recommendation would be to focus on the intersections where a majority of the lights are not functioning: W. Bradley Rd. at N. Sherman Blvd. is the most affected as five of the eight lights are not functioning.

Again, I just wanted to quickly give you the information that I have so far. I will put the information together in a report form and submit it to you prior to 11-12-14.

Thanks,

Daniel J. Krohn

Lieutenant of Police
Village of Brown Deer Police Department
4800 West Green Brook Drive
Brown Deer, WI 53223
P: 414-371-2900
F: 414-371-2929



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TID #2 ROADWAY LIGHTING IMPROVEMENT PROJECT

VILLAGE OF BROWN DEER

SHEET TITLE:
LIGHTING PLAN

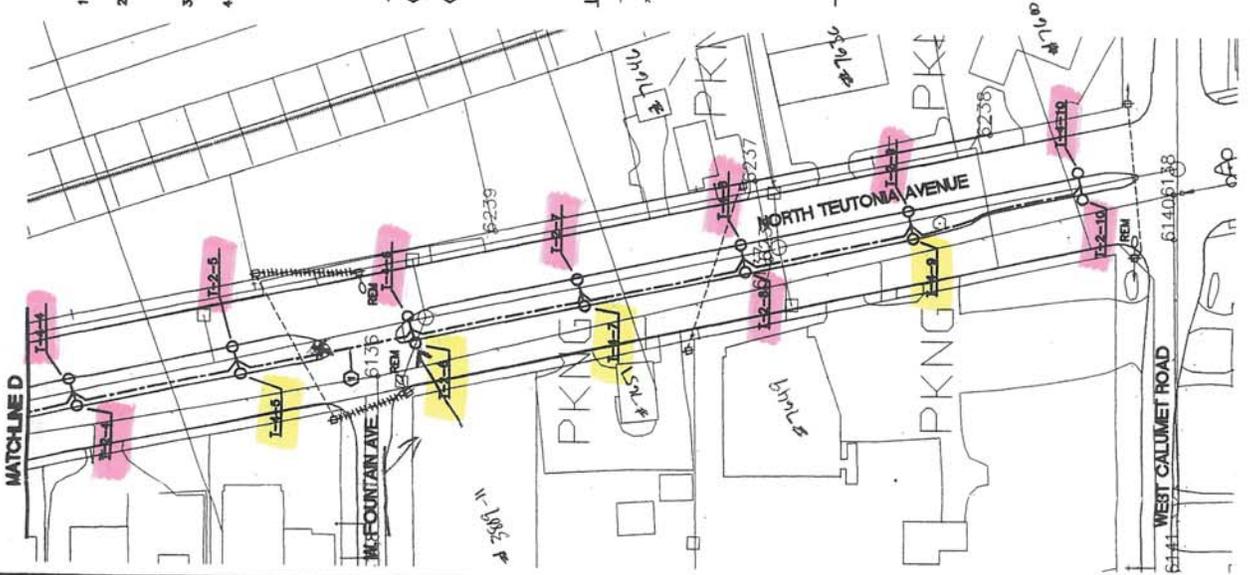
SCALE: 1"=60'-0"
PROJECT NO: 14-17-03
DATE: 11-17-03
DRAWN BY: MWT
CHECKED BY: OWS
REVISIONS:

SHEET NO:
E3

- GENERAL NOTES:**
1. ALL NEW LIGHTING SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING UTILITY LIGHTING.
 2. ALL LOCATIONS OF PROPOSED LIGHTING UNITS SHALL BE STAGED BY THE CONTRACTOR AND IDENTIFIED BY THE ENGINEER. ALL UTILITIES SHALL BE IDENTIFIED PRIOR TO STAKING LIGHTING UNIT LOCATIONS.
 3. CABLE-IN-DUCT SHALL BE DIRECTIONAL BORED, AS REQUIRED.
 4. THE CONTRACTOR SHALL REVIEW SITE AND INCLUDE ALL NECESSARY WORK IN BID AFFECTED BY EXISTING CONDITIONS.

- KEYED NOTES:**
- ① DIRECTIONAL BORE UNDER EXISTING PAVEMENT OR SURFACE.
 - ② ADJUST STREET SIGN AND POST AS NEEDED TO INSTALL LIGHTING UNIT.

- LEGEND:**
- EXISTING OVERHEAD UTILITY CONDUCTORS TO BE REMOVED BY UTILITY
 - EXISTING OVERHEAD UTILITY CONDUCTORS TO BE REMOVED BY UTILITY
 - ⊕ EXISTING UTILITY POLE
 - ⊕-○ EXISTING UTILITY LUMINAIRE
 - ⊕-○ EXISTING UTILITY LUMINAIRE TO BE REMOVED BY UTILITY
 - REM
 - PROPOSED LIGHTING UNIT, SINGLE
 - PROPOSED LIGHTING UNIT, TWIN
 - DENOTES SIDE WITH BANNER ARMS
 - PROPOSED CABLE-IN-DUCT: 3 #6 & 1 #6 CHD. IN 1-1/4" DUCT
 - B-1-1--- POLE NUMBER
 - └--- CIRCUIT
 - └--- CONTROL CABINET





TID #2 ROADWAY LIGHTING IMPROVEMENT PROJECT

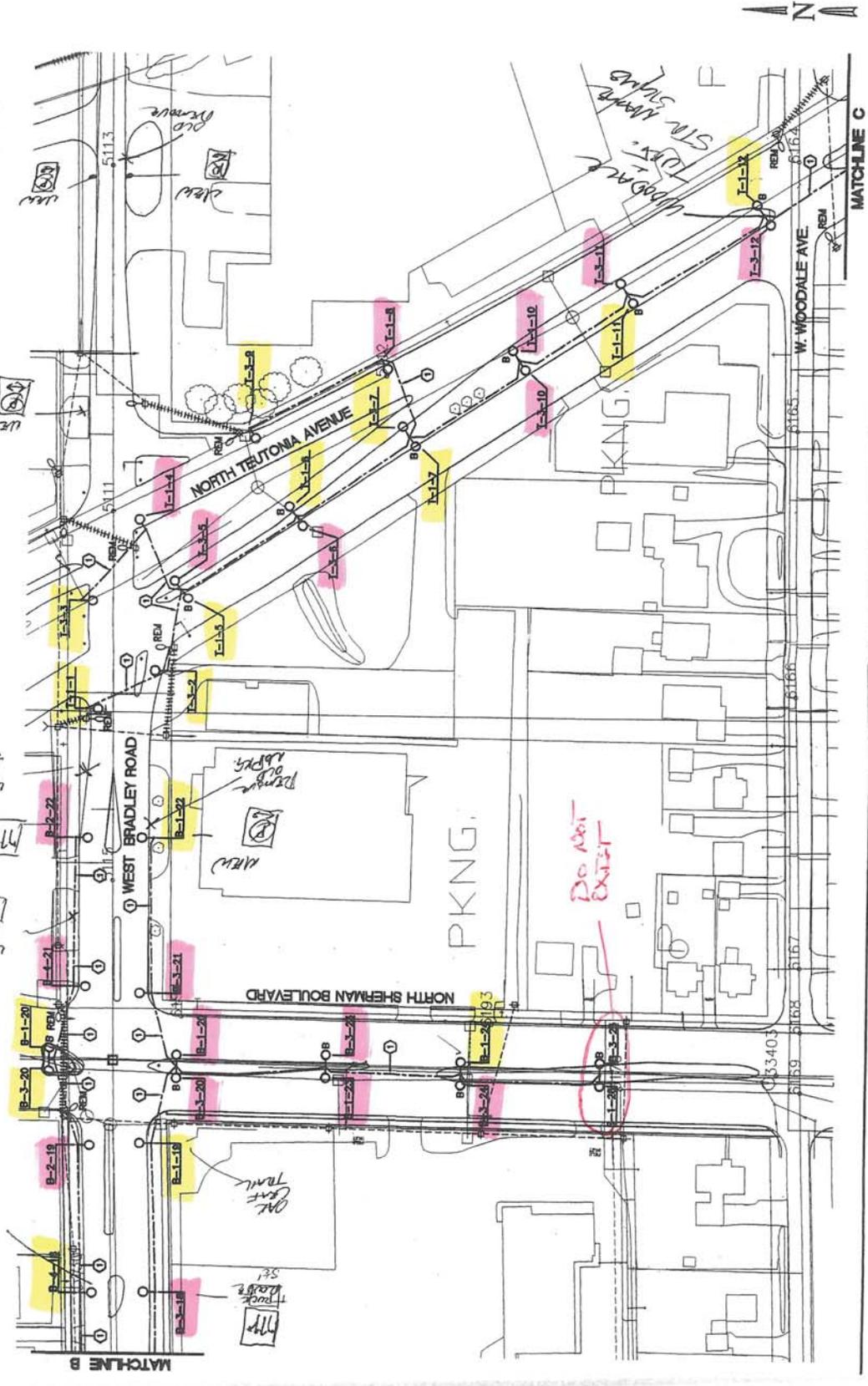
VILLAGE OF BROWN DEER

SHEET TITLE:
LIGHTING PLAN

SCALE: 1/4" = 1'-0"
PROJECT NO: 1605
DATE: 04-20-07
DESIGNED BY: DMF
DRAWN BY: DMF
CHECKED BY: DMF
NETWORKS: DMF

SHEET NO:
E2

- KEYED NOTES:**
- DIRECTIONAL BORE UNDER EXISTING PAVEMENT OR SIDEWALK.
 - ADJUST STREET SIGN AND POST AS NEEDED TO INSTALL LIGHTING UNIT.
- GENERAL NOTES:**
- ALL NEW LIGHTING SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING UTILITY LIGHTING.
 - ALL LOCATIONS OF PROPOSED LIGHTING UNITS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALL UTILITIES SHALL BE IDENTIFIED PRIOR TO STAKING LIGHTING UNIT LOCATIONS.
 - CABLE-IN-DUCT SHALL BE DIRECTIONAL BORED, AS REQUIRED.
- LEGEND:**
- EXISTING OVERHEAD UTILITY CONDUCTORS
 - EXISTING OVERHEAD UTILITY CONDUCTORS TO BE REMOVED BY UTILITY
 - EXISTING UTILITY POLE
 - EXISTING UTILITY LUMINAIRE TO BE REMOVED BY UTILITY
 - PROPOSED LIGHTING UNIT, SINGLE
 - PROPOSED LIGHTING UNIT, TWIN
 - DENOTES SIDE WITH BANNER ARMS
 - PROPOSED CABLE-IN-DUCT: 3 #6 & 1 #6 GND. IN 1-1/4" DUCT
 - B-1-1 POLE NUMBER
 - CIRCUIT
 - CONTROL CABINET



- Light not functioning (pink highlight)

- Light functioning (yellow highlight)



TID #2 ROADWAY LIGHTING IMPROVEMENT PROJECT

VILLAGE OF BROWN DEER

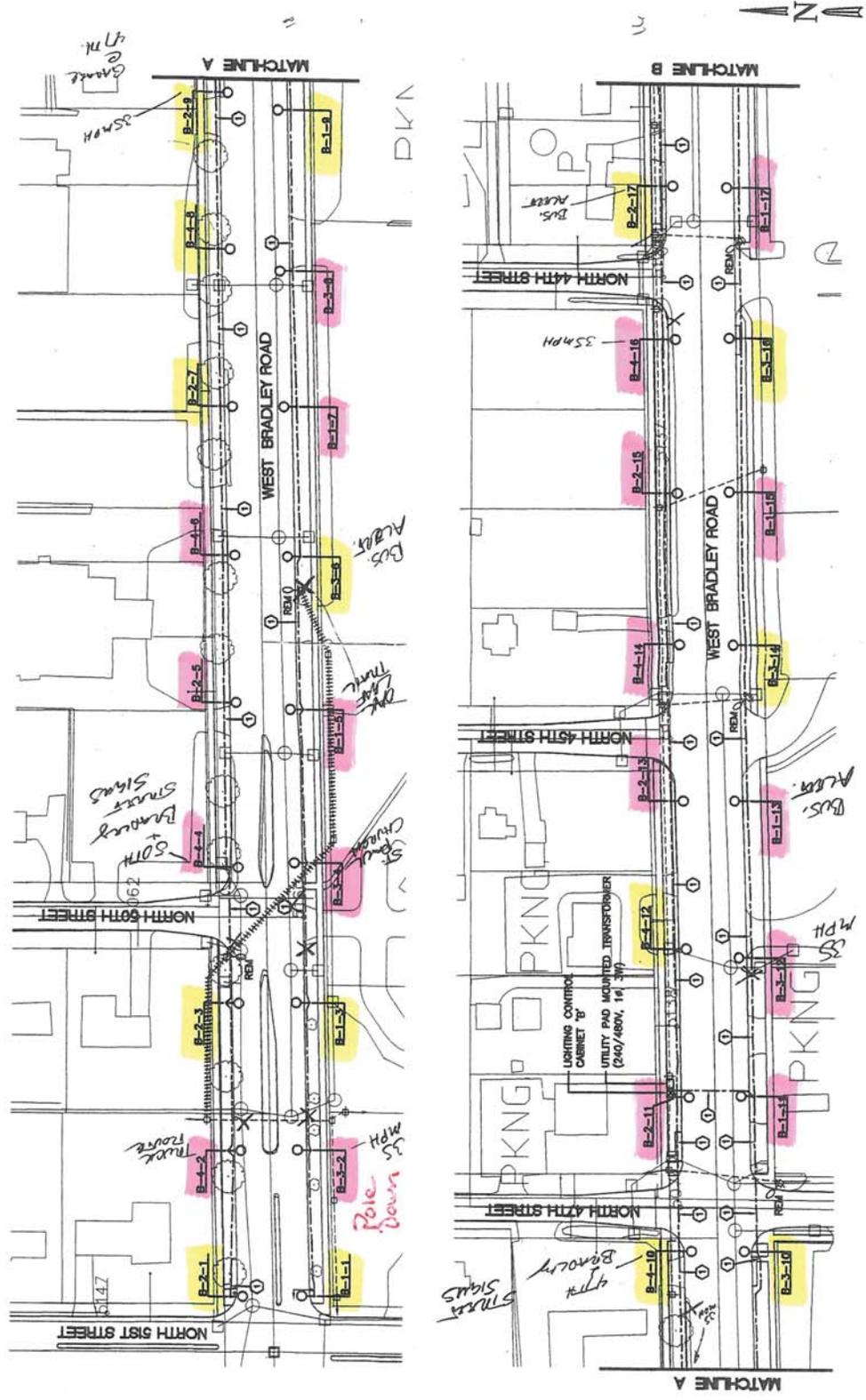
SHEET TITLE:
LIGHTING PLAN

SCALE: 1"=50'-0"
PROJECT NO: 1600
DATE: 01/11/05
DESIGNED BY: DMJ
DRAWN BY: RBT
CHECKED BY: JMS

SHEET NO: **E1**

- KEYED NOTES:**
1. ALL NEW LIGHTING SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING UTILITY LIGHTING.
 2. ALL LOCATIONS OF PROPOSED LIGHTING UNITS SHALL BE STAGED IN THE COURSE OF CONSTRUCTION BY THE ENGINEER. ALL UTILITIES SHALL BE IDENTIFIED PRIOR TO STAGING LIGHTING UNIT LOCATIONS.
 3. CABLE-IN-DUCT SHALL BE DIRECTIONAL BORED, AS REQUIRED.
 4. THE CONTRACTOR SHALL REVIEW SITE AND INCLUDE ALL NECESSARY WORK IN BID AFFECTED BY EXISTING CONDITIONS.

- LEGEND:**
- EXISTING OVERHEAD UTILITY CONDUCTORS
 - EXISTING OVERHEAD UTILITY CONDUCTORS TO BE REMOVED BY UTILITY
 - EXISTING UTILITY POLE
 - ⊕ EXISTING UTILITY LUMINAIRE
 - ⊖ EXISTING UTILITY LUMINAIRE TO BE REMOVED BY UTILITY
 - ⊙ PROPOSED LIGHTING UNIT, SINGLE
 - ⊙ PROPOSED LIGHTING UNIT, TWIN
 - ⊙ DENOTES SIDE WITH BANNER ARMS
 - PROPOSED CABLE-IN-DUCT: 3 #6 & 1 #6 GND. IN 1-1/2" DUCT
 - B-1-1 POLE NUMBER
 - CIRCUIT
 - CONTROL CABINET



- Light not functioning

- Light functioning



TID #2 ROADWAY LIGHTING IMPROVEMENT PROJECT

VILLAGE OF BROWN DEER

SHEET TITLE:
LIGHTING PLAN

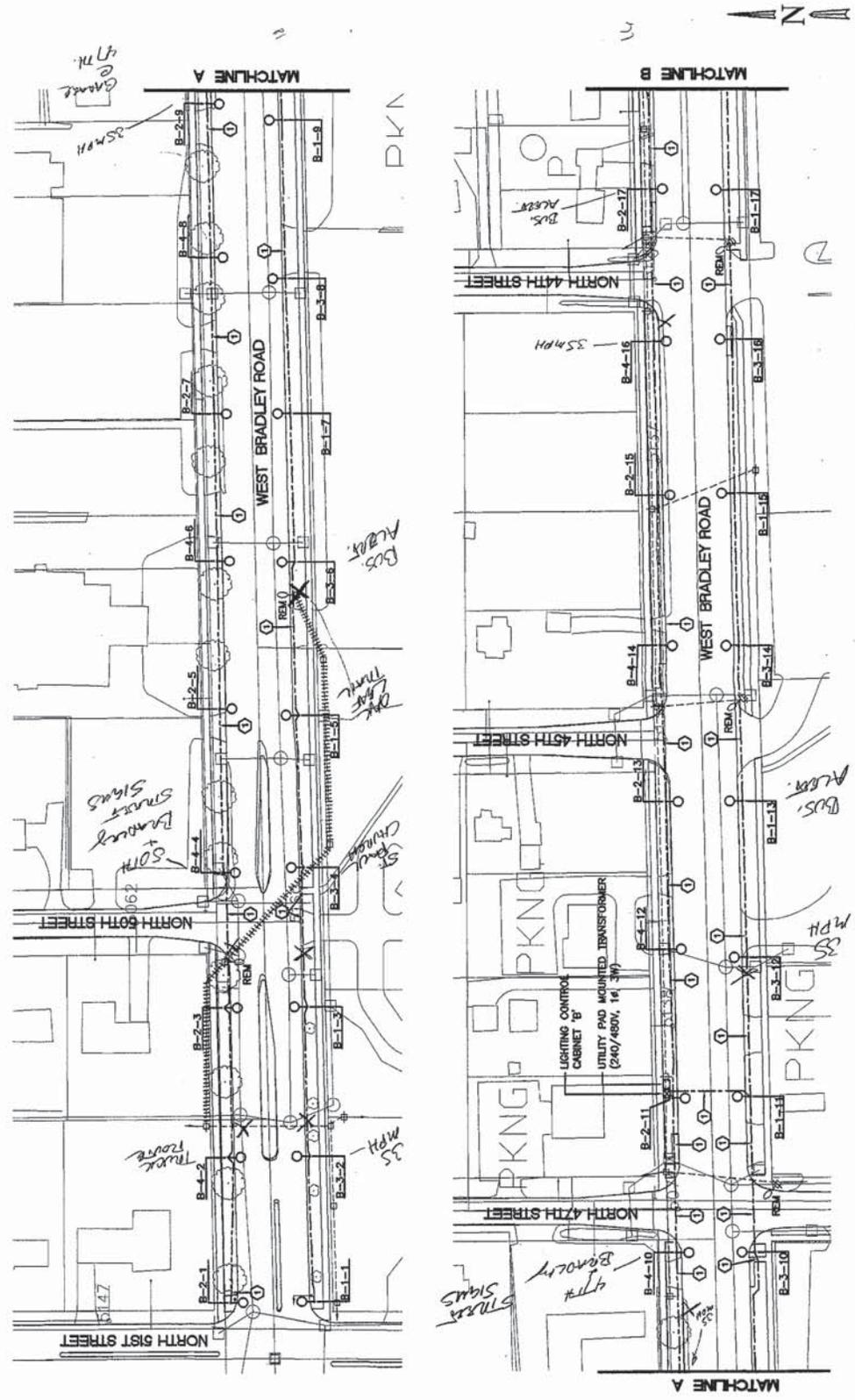
SCALE: 1"=60'-0"
PROJECT NO: 1605
DATE: 1-17-05
DRAWN BY: BJT
CHECKED BY: BMS
REVISIONS:

SHEET NO:

13

- KEYED NOTES:**
- DIRECTIONAL BORE UNDER EXISTING PAVEMENT OR SUBWAY.
 - ADJUST STREET SIGN AND POST AS NEEDED TO INSTALL LIGHTING UNIT.
- LEGEND:**
- EXISTING OVERHEAD UTILITY CONDUCTORS
 - EXISTING OVERHEAD UTILITY CONDUCTORS TO BE REMOVED BY UTILITY
 - EXISTING UTILITY POLE
 - EXISTING UTILITY LUMINAIRE TO BE REMOVED BY UTILITY
 - PROPOSED LIGHTING UNIT, SINGLE
 - PROPOSED LIGHTING UNIT, TWIN
 - DENOTES SIDE WITH BANKER ARMS
 - PROPOSED CABLE-IN-DUCT: 3 #6 & 1 #8 GND. IN 1-1/4" DUCT
 - POLE NUMBER
 - CIRCUIT
 - CONTROL CABINET

- GENERAL NOTES:**
- ALL NEW LIGHTING SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING UTILITY LIGHTING.
 - ALL LOCATIONS OF PROPOSED LIGHTING UNITS SHALL BE STAGED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALL UTILITIES SHALL BE IDENTIFIED PRIOR TO STAKING LIGHTING UNIT LOCATIONS.
 - CABLE-IN-DUCT SHALL BE DIRECTIONAL BORED, AS REQUIRED.
 - THE CONTRACTOR SHALL REVIEW SITE AND INCLUDE ALL NECESSARY WORK IN BID AFFECTED BY EXISTING CONDITIONS.





VILLAGE OF BROWN DEER IMPROVEMENT PROJECT TID #2 ROADWAY LIGHTING

SHEET TITLE:
LIGHTING PLAN

SCALE: 1" = 100'
PROJECT NO: 14-030-00
DATE: 1-17-03
DESIGNED BY: GWS
CHECKED BY: GWS
REVISIONS:

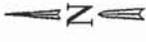
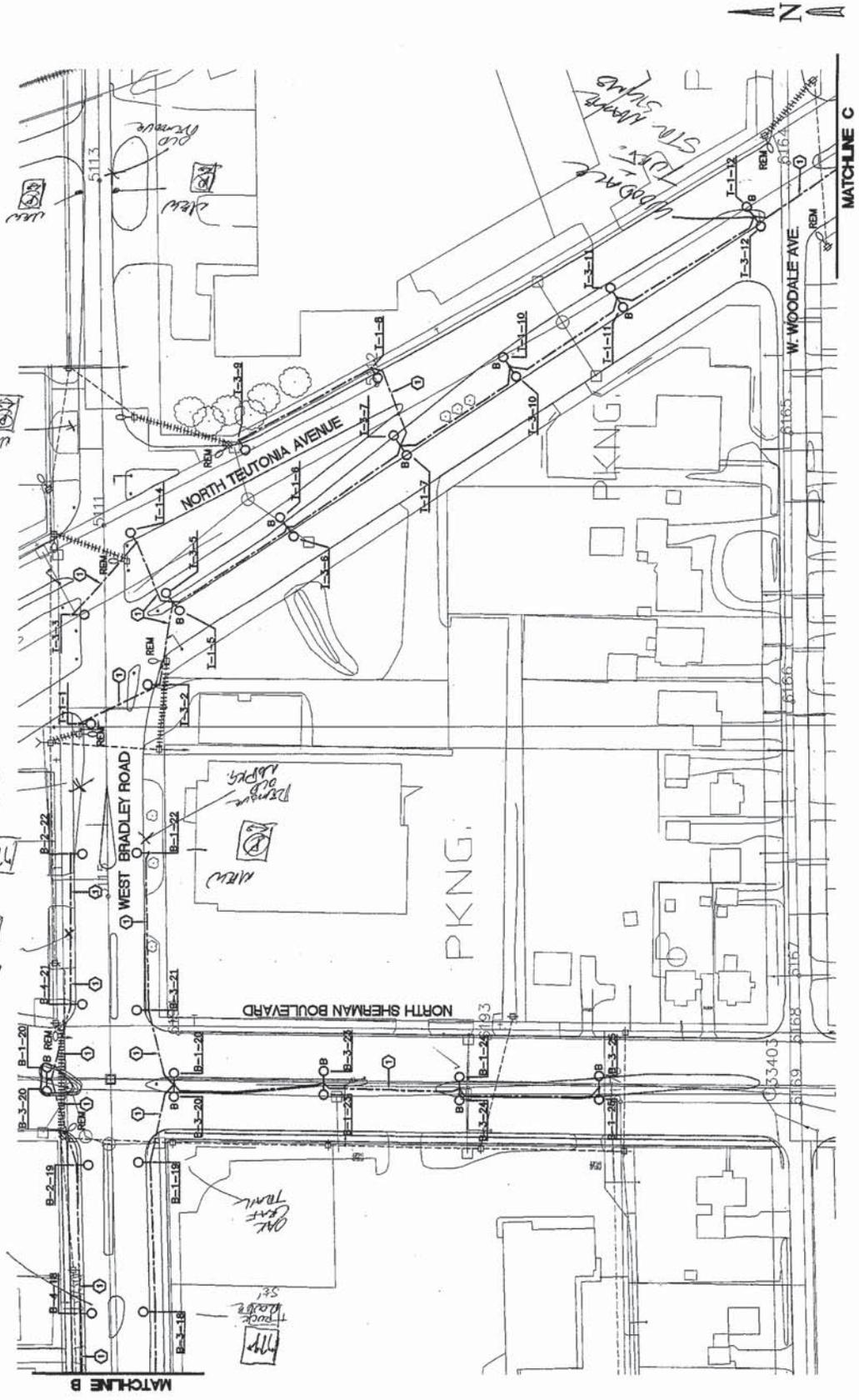
SHEET NO:

E2

- LEGEND:**
- EXISTING OVERHEAD UTILITY CONDUCTORS
 - EXISTING OVERHEAD UTILITY CONDUCTORS TO BE REMOVED BY UTILITY
 - EXISTING UTILITY POLE
 - ⊕ EXISTING UTILITY LUMINAIRE
 - ⊕-O EXISTING UTILITY LUMINAIRE TO BE REMOVED BY UTILITY
 - PROPOSED LIGHTING UNIT, SINGLE
 - B PROPOSED LIGHTING UNIT, TWIN
 - B DEVOTES SIDE WITH BANNER ARMS
 - PROPOSED CABLE-IN-DUCT, 3, #6 & 1 #6 GND. IN 1-1/4" DUCT
 - B-1-1 POLE NUMBER
 - CIRCUIT
 - CONTROL CABINET

- KEYED NOTES:**
- ① DIRECTIONAL BORE UNDER EXISTING PAVEMENT OR SIDEWALK.
 - ② ADJUST STREET SIGN AND POST AS NEEDED TO INSTALL LIGHTING UNIT.

- GENERAL NOTES:**
1. ALL NEW LIGHTING SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING UTILITY LIGHTING.
 2. ALL LOCATIONS OF PROPOSED LIGHTING UNITS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALL UTILITIES SHALL BE IDENTIFIED PRIOR TO STAKING LIGHTING UNIT LOCATIONS.
 3. CABLE-IN-DUCT SHALL BE DIRECTIONAL BORED, AS REQUIRED.





VILLAGE OF BROWN DEER TID #2 ROADWAY LIGHTING IMPROVEMENT PROJECT

SHEET TITLE:
LIGHTING PLAN

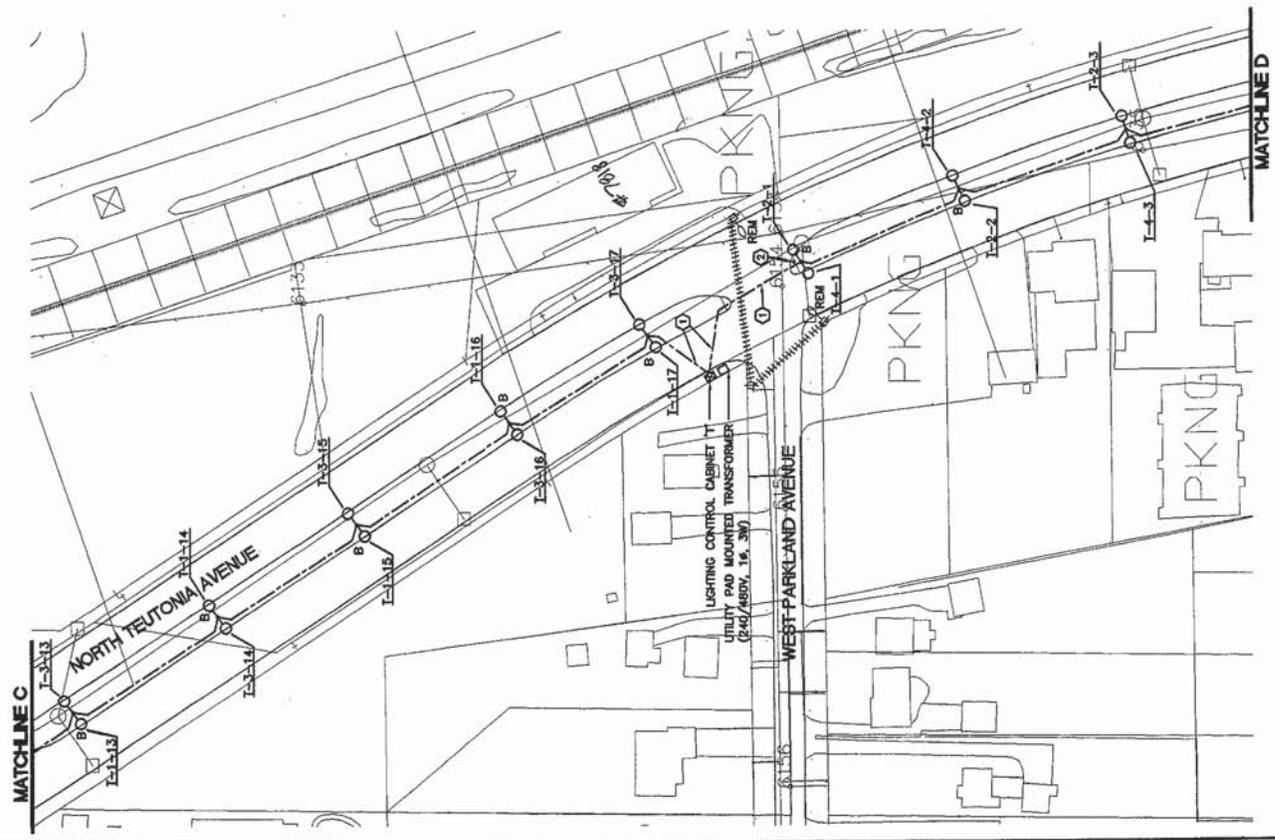
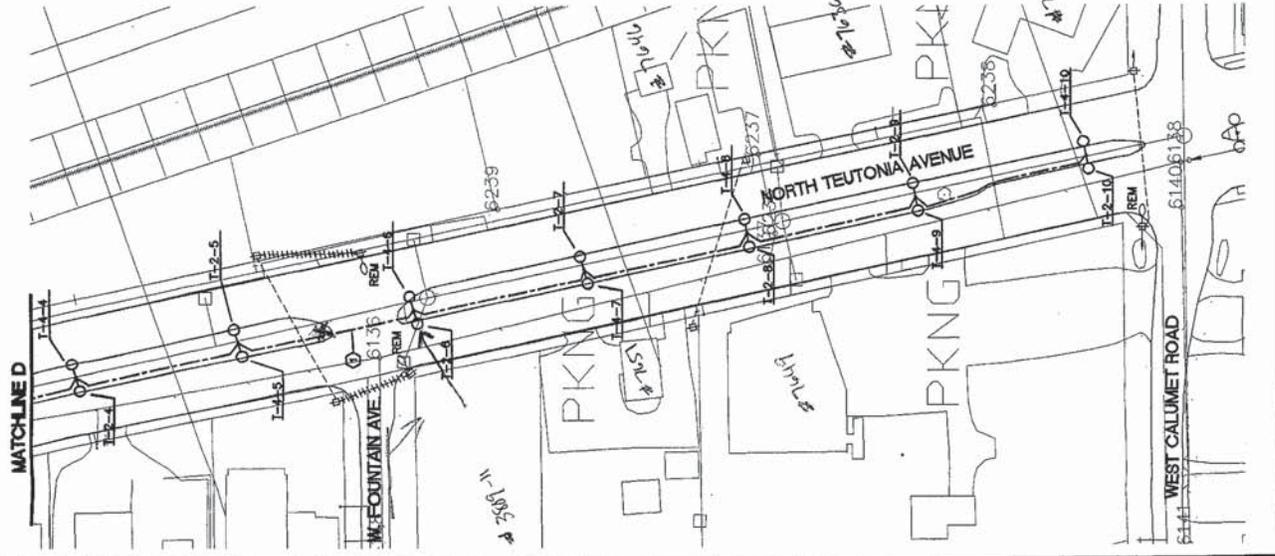
SCALE: 1"=50'-0"
 DRAWING NO: 1947-03
 DESIGNED BY: GWS
 CHECKED BY: GWS
 REVISIONS:

SHEET NO:
E3

- GENERAL NOTES:**
1. ALL NEW LIGHTING SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING UTILITY LIGHTING.
 2. ALL LOCATIONS OF PROPOSED LIGHTING UNITS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR STAKING LIGHTING UNIT LOCATIONS.
 3. CABLE-IN-DUCT SHALL BE DIRECTIONAL BORED, AS REQUIRED.
 4. THE CONTRACTOR SHALL REVIEW SITE AND INCLUDE ALL NECESSARY WORK IN BID AFFECTED BY EXISTING CONDITIONS.

- KEYED NOTES:**
- ① DIRECTIONAL BORE UNDER EXISTING PAVEMENT OR SIDEWALK.
 - ② ADJUST STREET SIGN AND POST AS NEEDED TO INSTALL LIGHTING UNIT.

- LEGEND:**
- EXISTING OVERHEAD UTILITY CONDUCTORS TO BE REMOVED BY UTILITY
 - EXISTING UTILITY POLE
 - ⊕ EXISTING UTILITY LUMINAIRE
 - ⊖ EXISTING UTILITY LUMINAIRE TO BE REMOVED BY UTILITY
 - PROPOSED LIGHTING UNIT, SINGLE
 - PROPOSED LIGHTING UNIT, TWIN
 - DENOTES SIDE WITH BANNER ARMS
 - PROPOSED CABLE-IN-DUCT, 3 #6 & 1 #8 GND. IN 1-1/4" DUCT
 - B-1-1 POLE NUMBER
 - CIRCUIT
 - CONTROL CABINET





POWERTEK ENGINEERING, INC.
CONSULTING ENGINEERS

25900 SHANNON LN. SUITE 120
WALKER, IA 51890
TEL: 782-627-9500
FAX: 782-627-9400

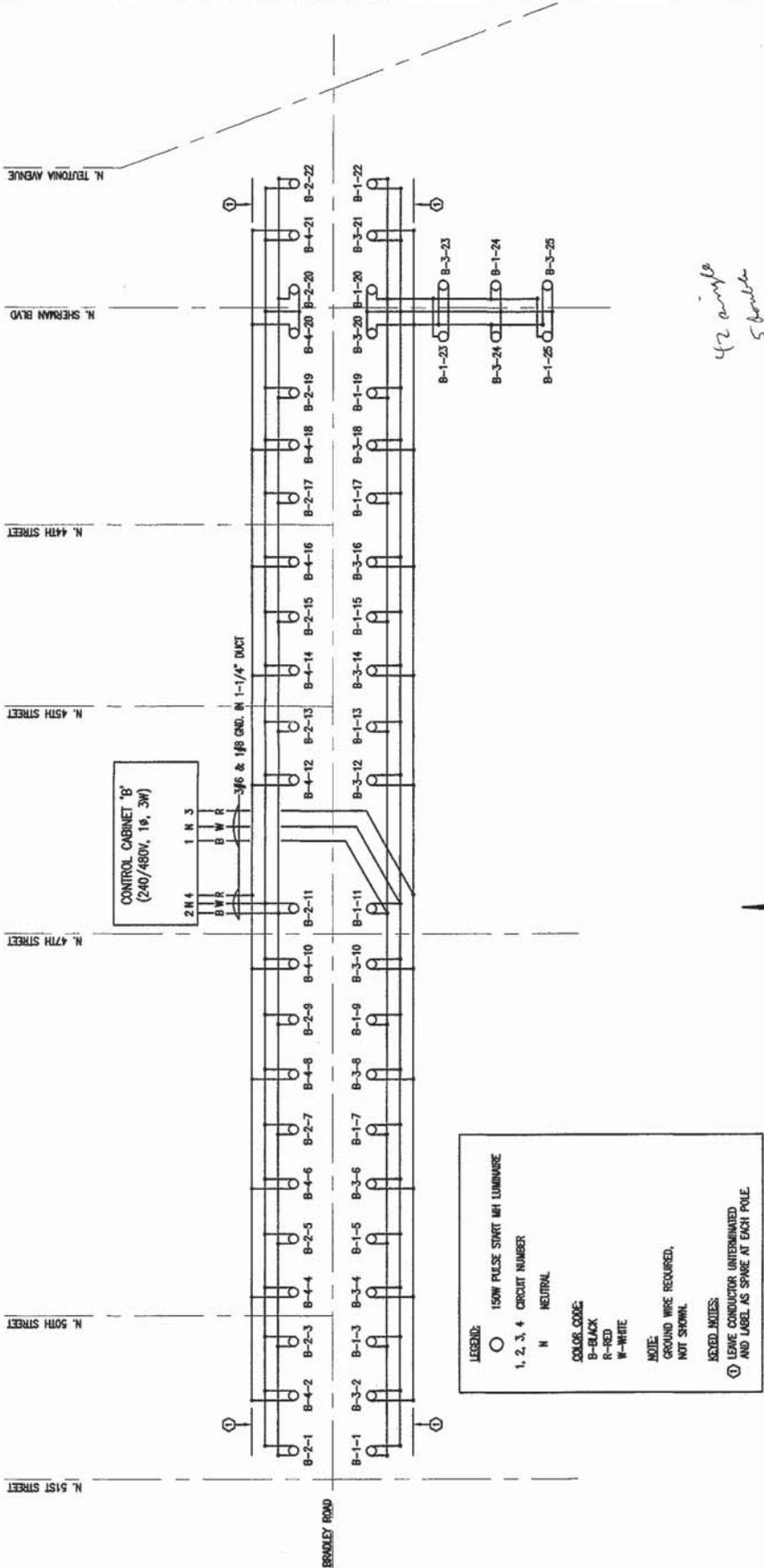
TID #2 ROADWAY LIGHTING IMPROVEMENT PROJECT VILLAGE OF BROWN DEER

SHEET TITLE:
FIELD WIRING
DIAGRAM
CABINET 'B'

NO. SCALE: NO. SCALE:
PROJECT NO: 14-017-03
DATE: 1-17-03
DESIGNED BY: GWS
CHECKED BY: GWS
REVISIONS:

SHEET NO:

E4



FIELD WIRING DIAGRAM - CABINET B
NO SCALE



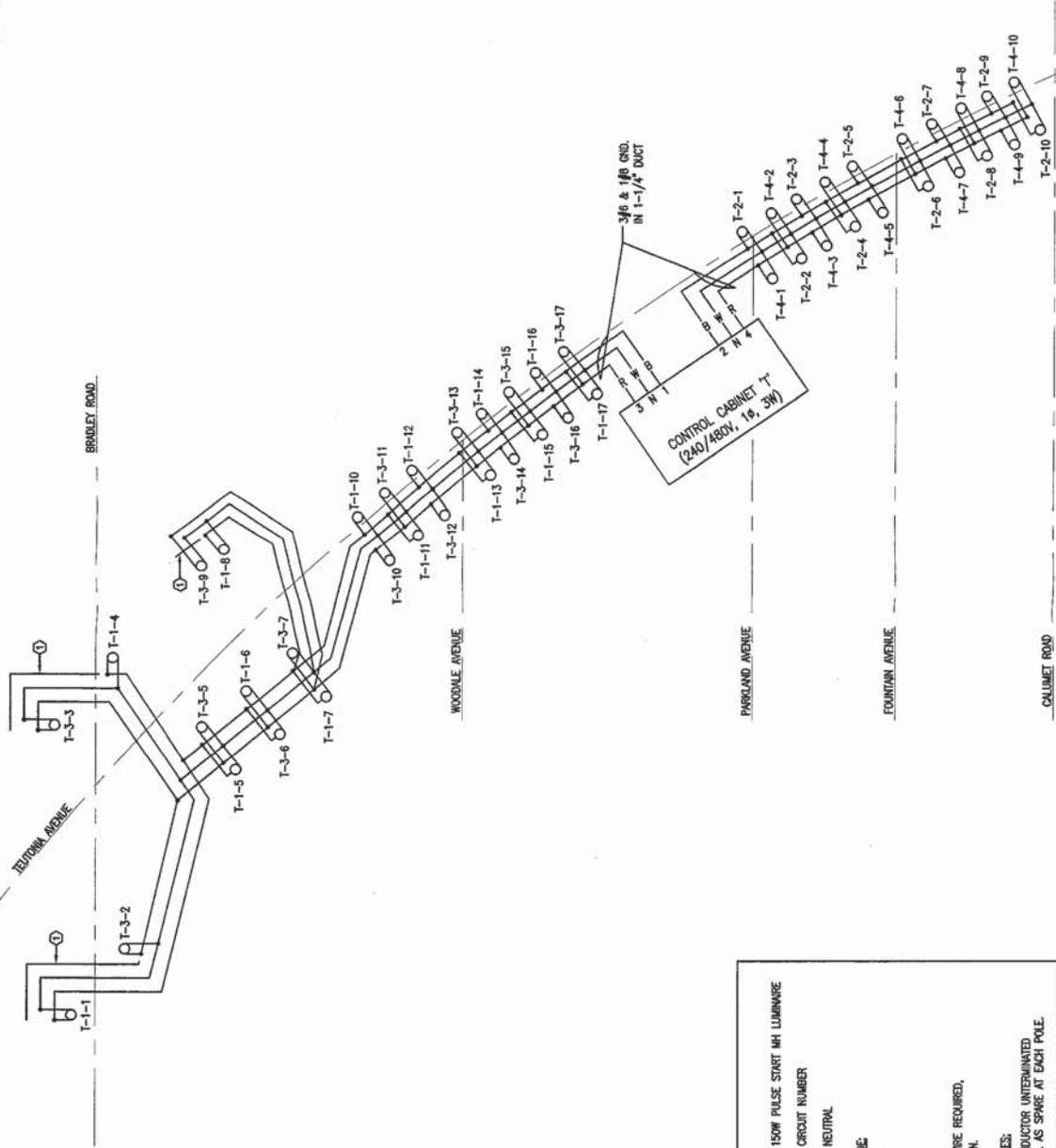


VILLAGE OF BROWN DEER IMPROVEMENT PROJECT TID #2 ROADWAY LIGHTING

SHEET TITLE:
FIELD WIRING
DIAGRAM
CABINET 'T'

NO. SCALE
PROJECT NO.: 1997-03
DESIGNED BY: DMS
CHECKED BY: DMS
REVISIONS:

SHEET NO.
E5



*6 pamps
21 double*

FIELD WIRING DIAGRAM -- CABINET T
NO SCALE



LEGEND:
 ○ 150W PULSE START MH LUMINAIRE
 1, 2, 3, 4 CIRCUIT NUMBER
 N NEUTRAL
 COLOR CODE
 B-BLACK
 R-RED
 W-WHITE
 NOTE:
 GROUND WIRE REQUIRED,
 NOT SHOWN.
 WELD JOINTS:
 ① LEAVE CONDUCTOR UNTERMINATED
 AND LABEL AS SPARE AT EACH POLE.

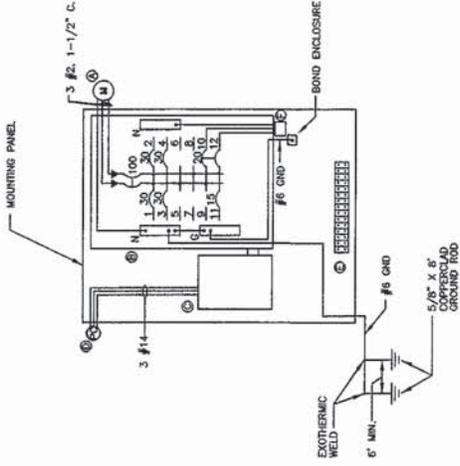
TID #2 ROADWAY LIGHTING IMPROVEMENT PROJECT VILLAGE OF BROWN DEER

SHEET TITLE:
DETAILS

NO SCALE
 PROJECT NO: 1000
 DATE: 08-17-03
 DRAWN BY: CHS
 CHECKED BY: GWS
 REVISIONS:

SHEET NO:

E6



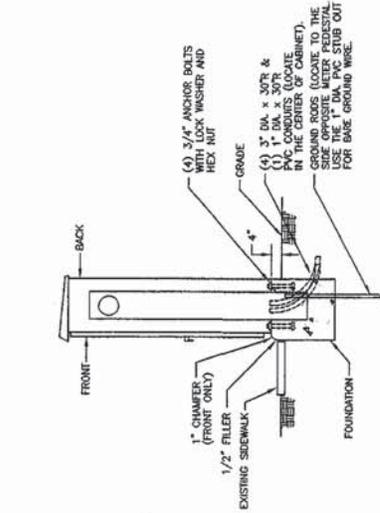
CONTROL DIAGRAM

EQUIPMENT

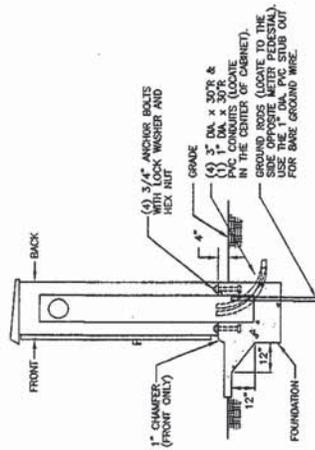
- (A) UTILITY APPROVED 0-200A, 1PH, 3W, 240/480V METER PEDESTAL
- (B) 125A MLD, 240/480V, 1PH, 3W, 120KT, PANELBOARD WITH (1) 100A/2P (BACK-FED MAIN), (4) 30A/1P (LIG), (1) 20A/2P (SURGE ARRESTER) (OPTIONAL) BOLT-ON BRANCH CIRCUIT BREAKERS, RATED 18K AIC (MIN.)
- (C) 30A, 60V ELECTRICALLY HELD CONTACTOR WITH 240V CONTROL COIL AND HAND-OFF-AUTO SWITCH IN FACTORY ASSEMBLED NEMA 1 ENCLOSURE.
- (D) PHOTOCELL MOUNTED ON NORTH SIDE OF CABINET.
- (E) FIELD WIRING TERMINATION STRIP.
- (F) SURGE ARRESTER

NOTES

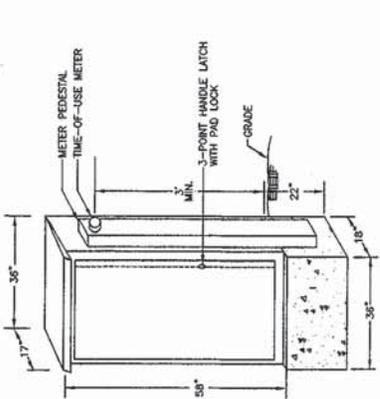
1. ALL CONTROL WIRING TO BE COLOR CODED #14 AWG USE, UNLESS OTHERWISE NOTED.
2. ALL POWER AND CONTROL WIRING TO BE HEAVILY LABELED, TRAPPED AND SUPPORTED. USE PANDUIT COX SERIES WIRE MOUNTING DEVICES TO SUPPORT CONDUCTORS.
3. THE CONTRACTOR SHALL COMPLY WITH UTILITY SERVICE & METERING REQUIREMENTS.
4. PROVIDE #10 AWG WIRE FROM CIRCUIT BREAKERS (CIRTS 1,2,3 & 4 THRU CONTACTOR) AND #10 AWG GROUND WIRE FROM GROUND BUS AND #10 NEUTRAL WIRE FROM NEUTRAL BUS TO FIELD WIRING TERMINATION STRIP FOR EACH UNDERGROUND CABLE RUN, AS REQUIRED.
5. SEAL CONDUIT OPENINGS WITH DUCT SEAL CAP SPARE CONDUITS
6. ENCLOSURE SHALL BE GROUNDED.
7. THE ENCLOSURE AND METER PEDESTAL SHALL BE PAINTED PER THE SPECIFICATIONS.



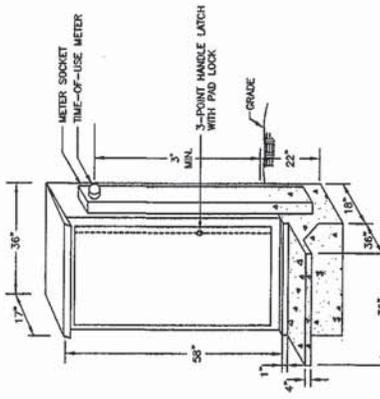
CABINET B SIDE VIEW
 NO SCALE



CABINET T SIDE VIEW
 NO SCALE



CABINET B VIEW
 NO SCALE



CABINET T VIEW
 NO SCALE

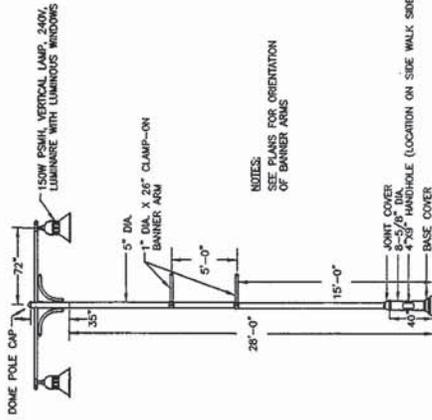
LIGHTING CONTROL CABINETS
 NO SCALE

TID #2 ROADWAY LIGHTING IMPROVEMENT PROJECT VILLAGE OF BROWN DEER

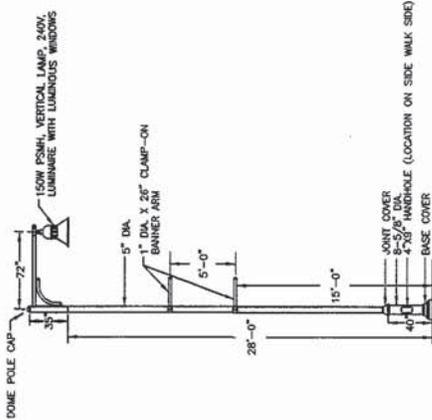
SHEET TITLE:
DETAILS

SCALE: NO SCALE
PROJECT NO: 1905
DATE: 08/20/18
DESIGNED BY: GWS
DRAWN BY: BEF
CHECKED BY: GWS
REVISIONS:

SHEET NO:
E7



LIGHTING UNIT, TWIN
NO SCALE



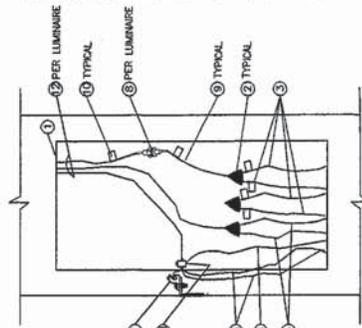
LIGHTING UNIT, SINGLE
NO SCALE

- GENERAL NOTES:**
1. PROVIDE 1" CHAMFER AROUND TOP EDGE AND FORM TOP 1/2" OF CONCRETE BASES FOR LIGHTING UNITS. REMOVE FORMS AFTER CONCRETE IS SET.
 2. SEE POLE WIRING DETAIL.
 3. PROVIDE 3/4" PREFORMED FILLER BETWEEN CONCRETE BASE AND ADJACENT CONCRETE SLABS AS APPROVED BY THE ENGINEER.

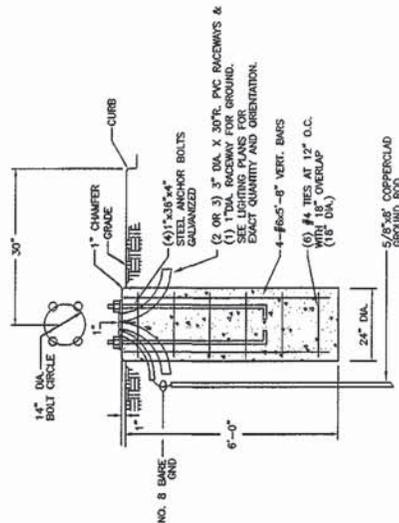
NOTES:
SEE PLANS FOR ORIENTATION OF BANNER ARMS

JOINT COVER
8-5/8" DIA.
4-3/8" HANDHOLE (LOCATION ON SIDE WALK SIDE)
BASE COVER

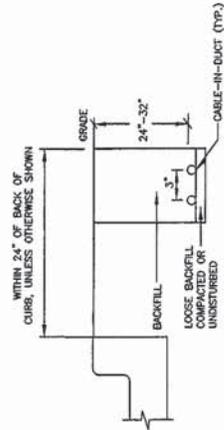
- 1 HANDLE AND COVER
- 2 INSULATED SPLICE
- 3 UNGROUNDING CONDUCTORS
- 4 GROUNDING CONDUCTORS
- 5 SYSTEM GROUNDING CONDUCTORS
- 6 GROUND CONDUCTOR TO GROUND ROD
- 7 HANDLE GROUNDING LUG WITH WEATHERPROOF BOLTS
- 8 WAVE FUSE ASSEMBLY W/VA KIT FUSE WITH WEATHERPROOF BOLTS
- 9 12" PITAL BETWEEN SPLICE AND FUSE ASSEMBLY
- 10 CIRCUIT TAG
- 11 REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTION (NOT INSULATED)
- 12 #412 RHW/USE TO LUMINAIRE



POLE WIRING DETAIL
NO SCALE



LIGHTING UNIT (SINGLE + TWIN) CONCRETE BASE DETAIL
NO SCALE



NOTE:
1. CABLE-IN-DUCT SHALL BE TRENCHED, FLOWED-IN OR DIRECTIONAL BORED, AS REQUIRED.

TRENCH DETAIL
NO SCALE

TIF #2 RE-LIGHTING OPTIONS

DESCRIPTION	LAMP (LED) L ⁷⁰ LIFE*	ENERGY SAVINGS	ESTIMATED COST
OPTION 1 Anodized pole, arm & base cover	100,000+ hrs	45%	\$ 290,000.00
OPTION 2 Anodized pole, arm & base cover	350,000 hrs (theoretical)**	50%	\$ 340,000.00
OPTION 3 Anodized pole, arm & base cover	350,000 hrs (theoretical)**	50%	\$ 435,000.00
OPTION 4 Integral color with fiberglass pole/base, anodized arm	350,000 hrs (theoretical)**	50%	\$ 375,000.00
METAL BANNERS (adder)			\$ 32,900.00

*L⁷⁰ is time at which output should reach 70% of initial output. Typical pulse-start metal halide lamp has an average life of 15,000hrs (50% burned out) with a 25% output loss midlife.

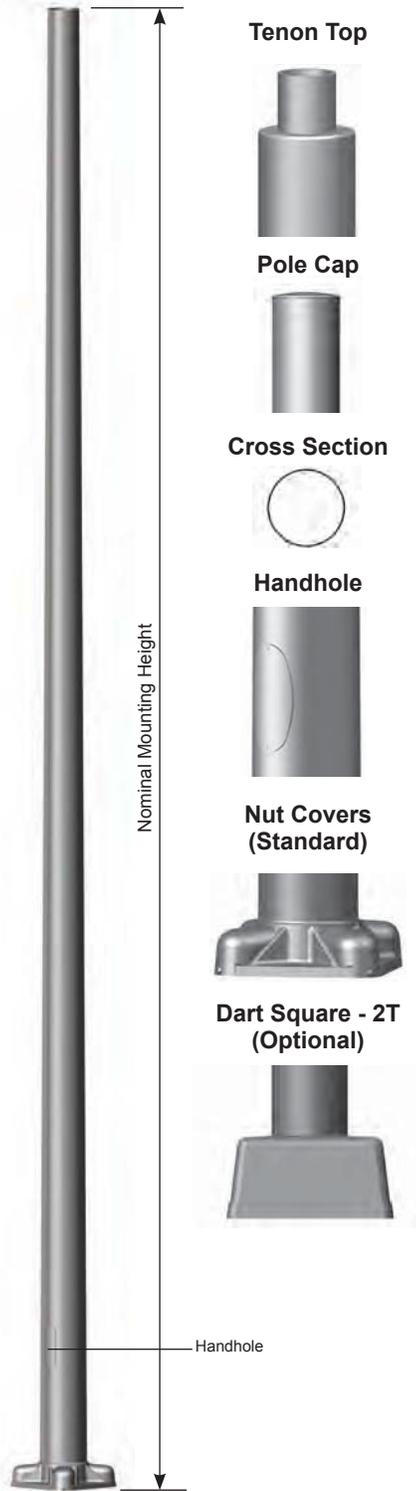
** Testing data (TM-21) shows 94% output maintained at 60,000hrs.

GENERAL NOTES:

1. Finish for all options is black.
2. Option costs include quantity of 47 sets of banners arms (for standard banners by Village).
3. House side shield or spill light control for five luminaires.
4. Labor to remove existing lighting unit/install new lighting unit included: \$750/single & \$900/twin.
5. Max. EPA on fiberglass pole selected/priced may impact size of banner (existing banner size is 24"x60").
6. No contingency cost is added to estimates.
7. Estimates are based on pricing received from manufacturer's reps.

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

SPECIFICATIONS



Pole - The pole shaft is spun from seamless alloy aluminum.

Pole Top - A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

Handhole - A covered handhole with hardware and grounding provision are provided.

Base Cover - Optional Dart Square-2T cast and decorative base covers available as special order.

Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____



SPECIFICATIONS

Pole - The pole shaft is extruded from seamless alloy aluminum.

Pole Top - A removable pole cap is provided.

Luminaire Arm - Luminaire arms are conically tapered from seamless alloy aluminum to 2.38" OD at the luminaire end.

Luminaire Arm Attachment - Connection allows arm to be erected and held in place by gravity and secured by four bolts, lock washers, flat washers and hex nuts.

Handhole - A covered handhole with hardware and grounding provision are provided.

Base Cover - Optional decorative base covers available as special order.

Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Hardware - All structural and non-structural fasteners are stainless steel.

Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

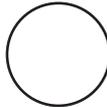
Pole Cap - Plastic



Arm Attachment



Cross Section



Handhole



Nut Covers

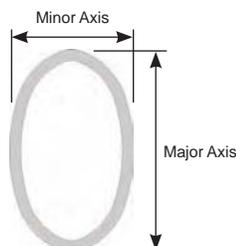


Nominal Mounting Height

Handhole

ARM DATA

Ovalized Arm Cross Section



Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

FEATURES

- Aesthetically pleasing scalable family for lighting and traffic applications
- Clamshell design for quick, easy assembly
- Durable, high quality aluminum components provides clean, crisp details
- Provided with stainless-steel hardware
- Tamper-proof hardware available as special order
- Long-lasting finish available in a variety of colors
- Install on existing poles to enhance streetscape

POLE BASE DIAMETER RANGE		DIMENSIONS OF BASE COVER		MODEL NUMBER
TAPERED 0.14"/FT (IN)	NON-TAPERED (IN)	DIA (IN)	HEIGHT (IN)	
2.75 - 9.50	3.00 - 9.38	12.25	4.63	DT12AC
3.75 - 12.25	4.00 - 12.13	15.00	6.00	DT15AC
6.75 - 17.25	7.00 - 17.13	20.00	7.50	DT20AC

All dimensions shown are nominal.



DT12AC



DT15AC



DT20AC

PRODUCT ORDERING CODES

MODEL NUMBER	COLOR*	POLE BASE OD (IN)	BASE PLATE			ANCHOR BOLTS		HANDHOLE	
			BOLT CIRCLE DIA (IN)	SQUARE (IN)	THICKNESS (IN)	DIAMETER (IN)	PROJECTION (IN)	SIZE W x H (IN)	CENTER LINE HEIGHT (IN)
DT12AC DT15AC DT20AC	STEEL WH = White ST = Sandstone BK = Black SM = Silver Metallic SL = Silver LG = Light Gray SG = Slate Gray DT = Dark Tan MB = Medium Bronze CB = Bronze DB = Dark Bronze BN = Brown HG = Hunter Green DG = Dark Green RD = Red SC = Special Color <small>(Contact Factory)</small>	ALUMINUM DWH = White DSS = Sandstone BR = Burgundy HG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze SBN = Sanded Brown DNB = New Dark Bronze DDB = Dark Bronze SBK = Sanded Black DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color <small>(Contact Factory)</small>							

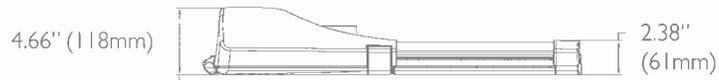
1. Model Number, Color and Pole Base OD required on all orders.
 2. Additional information required when ordering separate from poles.

* Choose steel or aluminum when used in conjunction with the appropriate pole material.

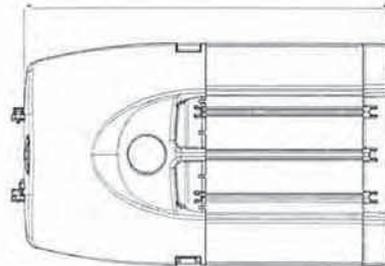
Project name			Type		
Date			Prepared by		
RVS	110W64ED4K	LE3	UNIV	BL/SR	BK/EXP
Luminaire	Lamp	Optical system	Voltage	Options	Finish

RoadView LED Series

RVS



21.38" (543mm) min. – 25.25" (641mm) max.



RVS

Weight: 23.0 to 26.0 lbs
(10.4 to 11.8 kg)

Lamps

LUMINAIRE PERFORMANCE DATA (Nominal 4000K CCT)												
Lamp	LEDs	Drive		Luminaire Lumens*	System Watts	Max. system current (amps)	Weight		Length		EPA	
		Current	Power				lb.	kg.	in.	mm.	sq. ft.	sq. m.
<input type="checkbox"/> 35W32LED4K	32	350		3686	37	0.31	23	10.4	21.38	543	0.53	0.049
<input type="checkbox"/> 55W32LED4K	32	530		5327	56	0.47	23	10.4	21.38	543	0.53	0.049
<input type="checkbox"/> 72W32LED4K	32	700		6536	73	0.61	23	10.4	21.38	543	0.53	0.049
<input type="checkbox"/> 55W48LED4K	48	350		5397	53	0.44	23	10.4	21.38	543	0.53	0.049
<input type="checkbox"/> 80W48LED4K	48	530		7799	81	0.68	23	10.4	21.38	543	0.53	0.049
<input type="checkbox"/> 108W48LED4K	48	700		9570	105	0.88	23	10.4	21.38	543	0.53	0.049
<input type="checkbox"/> 70W64LED4K	64	350		6970	68	0.57	26	11.8	25.25	641	0.60	0.056
<input checked="" type="checkbox"/> 110W64LED4K	64	530		10072	104	0.87	26	11.8	25.25	641	0.60	0.056
<input type="checkbox"/> 90W80LED4K	80	350		8555	85	0.71	26	11.8	25.25	641	0.60	0.056
<input type="checkbox"/> 135W80LED4K	80	530		12363	129	1.08	26	11.8	25.25	641	0.60	0.056

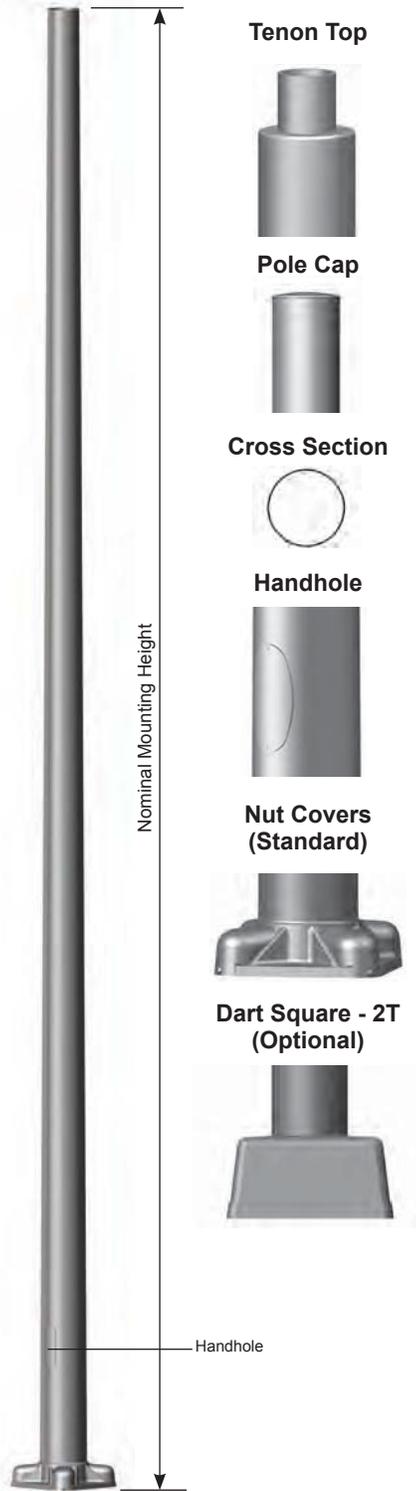
*For Type III distribution. See photometric files for other distributions



PHILIPS

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

SPECIFICATIONS



Pole - The pole shaft is spun from seamless alloy aluminum.

Pole Top - A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

Handhole - A covered handhole with hardware and grounding provision are provided.

Base Cover - Optional Dart Square-2T cast and decorative base covers available as special order.

Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

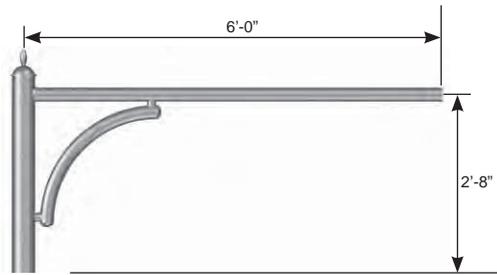
Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

SPECIFICATIONS



AV241LO



AV242LO

ARM TYPE	ARM ATTACHMENT	EPA (SQ FT)	WEIGHT (LBS)	MODEL NUMBER
Single	3.50" OD x 12.00" Tenon	2.6	20	AV241LO
Double - 180°	3.50" OD x 12.00" Tenon	4.2	33	AV242LO

FINIALS



PRODUCT ORDERING CODES

DESIGN SERIES	MODEL NUMBER	LUMINAIRE MOUNTING	FINIAL	COLOR*		OPTIONS
PTA	AV241LO AV242LO	D2 = 1.50" NPS Nipple E2 = 2.38" OD Slipfit T2 = 2.38" OD x 3.00" T3 = 3.00" OD x 3.00" ST = Special Tenon (Specify)	F = Round Plastic Push-In G = Globe P = Point R = Pantheon	STEEL WH = White ST = Sandstone BK = Black SM = Silver Metallic SL = Silver LG = Light Gray SG = Slate Gray DT = Dark Tan MB = Medium Bronze CB = Bronze DB = Dark Bronze BN = Brown HG = Hunter Green DG = Dark Green RD = Red SC = Special Color (Contact Factory)	ALUMINUM DWH = White DSS = Sandstone BR = Burgundy HG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze SBN = Sanded Brown DNB = New Dark Bronze DDB = Dark Bronze SBK = Sanded Black DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color (Contact Factory)	See Accessories at valmontstructures.com (Please Specify)

* Choose steel or aluminum when used in conjunction with the appropriate pole material. Color applies to vertical upright, luminaire arm and finial.

S P C 7 3 3 4 0 4 / 0 9 valmontstructures.com carries the most current spec information and supersedes these guidelines.

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

FEATURES

- Aesthetically pleasing scalable family for lighting and traffic applications
- Clamshell design for quick, easy assembly
- Durable, high quality aluminum components provides clean, crisp details
- Provided with stainless-steel hardware
- Tamper-proof hardware available as special order
- Long-lasting finish available in a variety of colors
- Install on existing poles to enhance streetscape

POLE BASE DIAMETER RANGE		DIMENSIONS OF BASE COVER		MODEL NUMBER
TAPERED 0.14"/FT (IN)	NON-TAPERED (IN)	DIA (IN)	HEIGHT (IN)	
2.75 - 9.50	3.00 - 9.38	12.25	4.63	DT12AC
3.75 - 12.25	4.00 - 12.13	15.00	6.00	DT15AC
6.75 - 17.25	7.00 - 17.13	20.00	7.50	DT20AC

All dimensions shown are nominal.



DT12AC



DT15AC



DT20AC

PRODUCT ORDERING CODES

MODEL NUMBER	COLOR*	POLE BASE OD (IN)	BASE PLATE			ANCHOR BOLTS		HANDHOLE	
			BOLT CIRCLE DIA (IN)	SQUARE (IN)	THICKNESS (IN)	DIAMETER (IN)	PROJECTION (IN)	SIZE W x H (IN)	CENTER LINE HEIGHT (IN)
DT12AC DT15AC DT20AC	STEEL WH = White ST = Sandstone BK = Black SM = Silver Metallic SL = Silver LG = Light Gray SG = Slate Gray DT = Dark Tan MB = Medium Bronze CB = Bronze DB = Dark Bronze BN = Brown HG = Hunter Green DG = Dark Green RD = Red SC = Special Color <small>(Contact Factory)</small>	ALUMINUM DWH = White DSS = Sandstone BR = Burgundy HG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze SBN = Sanded Brown DNB = New Dark Bronze DDB = Dark Bronze SBK = Sanded Black DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color <small>(Contact Factory)</small>							

1. Model Number, Color and Pole Base OD required on all orders.
 2. Additional information required when ordering separate from poles.

* Choose steel or aluminum when used in conjunction with the appropriate pole material.

DESCRIPTION

LED technology combined with the Icon luminaires unique form creates the choice solution for modern site lighting applications. The Icon luminaires gentle curves and sleek profile create a shape that is beyond common. Two unique arm choices combined with structural element options provide no limitations in bridging to the architectural application.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction

HOUSING: Heavy wall, one-piece, die-cast aluminum housing has precise tolerance control and repeatability in manufacturing. Integral aluminum heat sink provides superior heat transfer in +40°C ambient environment. **DOOR:** One-piece, die-cast aluminum construction with tool-less release latch. Door swings down and is retained on heavy duty leaf/pin hinge. **GASKET:** Continuous gasket provided to seal housing to door. **HARDWARE:** Tool-less release button latches are stainless steel/aluminum construction, painted to match housing and allow access to internal housing and electrical components.

Optics

DISTRIBUTION: Choice of twelve patented, high efficiency AccuLED Optics™, featuring designs that maximize light collection and directional distribution onto the application region. Each optical lens is precision manufactured via injection-molding, then precisely arranged and sealed to the board media. LightBAR assembly features an IP66 enclosure rating. **LEDs:** High output LEDs offered standard in 4000K (+/- 275K) CCT and nominal 70 CRI. 90% lumen maintenance at 60,000 hours per IESNA TM-21.

Electrical

DRIVER: LED drivers are potted and thermally managed for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120-277V/50-60Hz), >0.9 power factor, <20% harmonic distortion and feature ambient temperature range of +40°C (104°F) down to minimum starting temperature of -30°C (-22°F). Shipped standard with Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. All LED LightBARs™ and drivers are mounted to dedicated mounting trays and are easily replaced by use of quick disconnects for ease of wiring. Options to control light levels, power consumption and egress capabilities (separate circuit) are available. Optional integral occupancy sensor is available.

Mounting

UPSWEEP ARM: Manufactured of heavy wall cast aluminum. Internal bolt guides provided for positioning arm to housing and pole. **LINEAR ARM:** Manufactured of heavy wall extruded aluminum. Arm features internal bolt guides for positioning arm to housing and pole. **STRUCTURAL MOUNT:** Die-cast aluminum cleat, factory mounted and finished in luminaire color. Stainless steel structural rod measures 1/2" in diameter and is provided in luminaire finish or

optional natural finish. Product functions in conjunction with linear arm. INVUE poles provided pre-drilled for suspension mount applications. See INVUE pole brochure for complete selection of matching poles. **STRUCTURAL WALL MOUNT:** Die-cast aluminum cleat, factory mounted to luminaire and finished in luminaire color. Stainless steel structural rod measures 1/2" in diameter and is provided in luminaire finish or optional natural finish. Wall bracket works in conjunction with linear arm. Mounting arms ordered separately.

Finish

Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty

Five-year warranty.



ICM ICON SITE MEDIUM LED

**1 - 6 LightBARs
Solid State LED**

ARCHITECTURAL LED AREA/SITE LUMINAIRE



CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARs
LM79 / LM80 Compliant
3G Vibration Tested
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

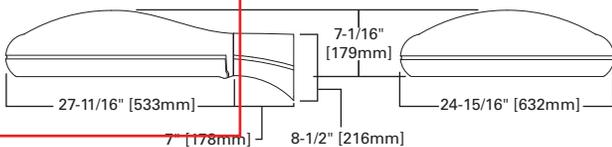
EPA

Effective Projected Area (Sq. Ft.):
Single: 1.09
Single Structural: 1.11

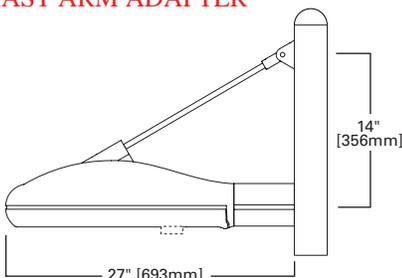
SHIPPING DATA

(Approximate)
Net Weight (lbs.): 50
Volume (cu. ft.): 4.00

DIMENSIONS



W/MAST ARM ADAPTER



Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

SPECIFICATIONS



Tenon Top



Handhole



Nut Covers



Pole - The pole shaft is spun from seamless 6063 alloy aluminum with a constant linear taper of 0.14 in/ft.

Fluting Process - The tapered shafts are cold rolled over a precision hardened steel mandrel to form the desired flute shape. The flutes are uniform and equally spaced throughout the process. The termination of the flutes is no greater than 1.50" radii transition into the round section of the shaft. The results of this fluting process are flutes with architecturally pleasing radiused terminations and crisp uniform flutes.

Linear Flute Layout - Flutes start and stop to ensure anchor base connection fits a smooth round diameter and provides mounting of side-mount luminaire arm assemblies. Flute start and stop locations should be specified.

Pole Top - A pole top plate and tenon are provided for top mount luminaire and/or bracket. A removable pole cap is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies.

Handhole - A covered handhole and grounding provision with hardware is provided.

Base Cover - Optional decorative base covers available as special order.

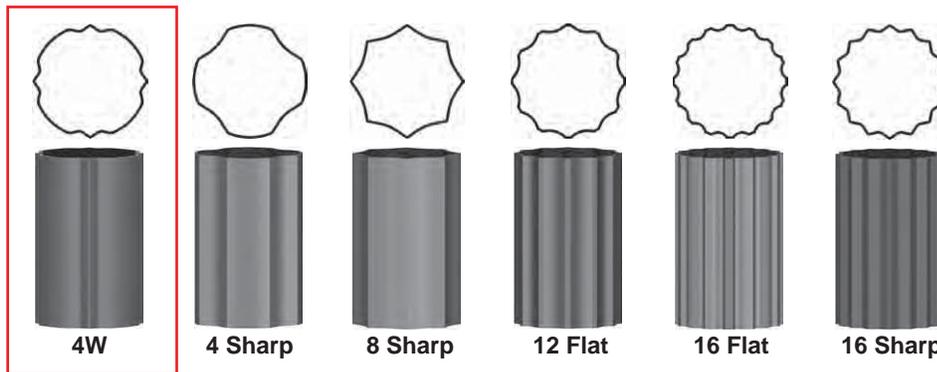
Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

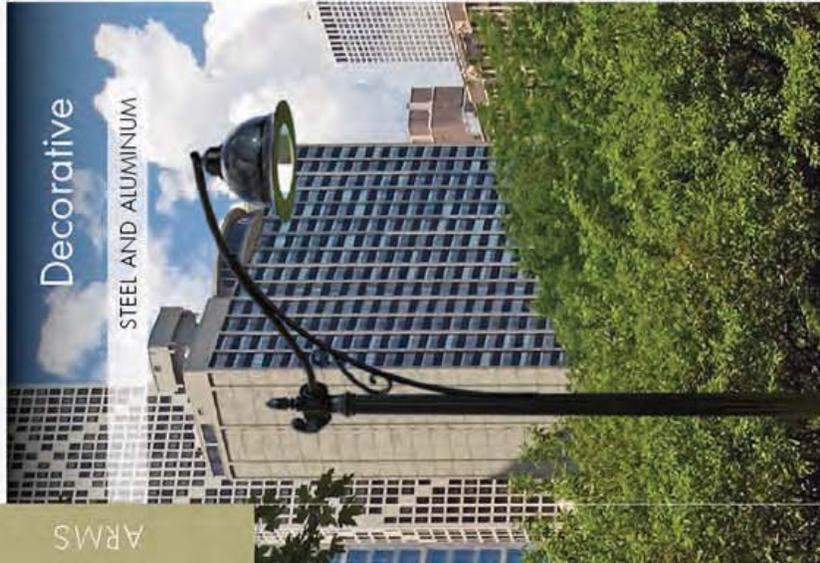
Finish - The standard finish for the pole assembly and components is polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

**Cross Section
Fluted**

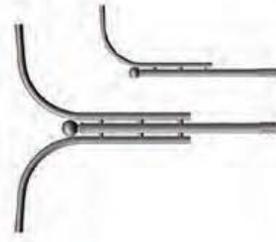


FLUTES START AT BASE



Decorative

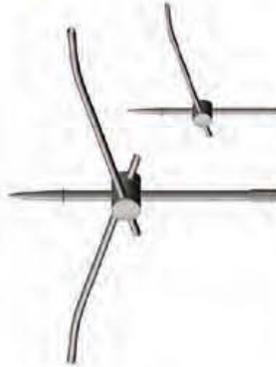
STEEL AND ALUMINUM



STRADA 3
SINGLE OR DOUBLE
ALUMINUM



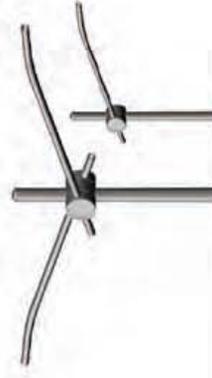
VISTA 1
SINGLE OR DOUBLE
STEEL OR ALUMINUM



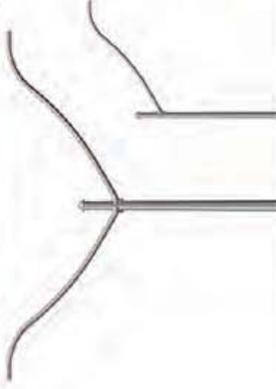
VISTA 2
SINGLE OR DOUBLE
ALUMINUM



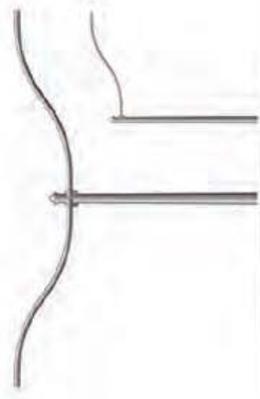
VISTA 3
SINGLE OR DOUBLE
ALUMINUM



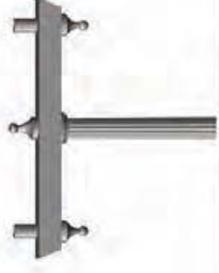
VISTA 4
SINGLE OR DOUBLE
ALUMINUM



WELLINGTON*
SINGLE OR DOUBLE
STEEL



WINDSOR*
SINGLE OR DOUBLE
STEEL
Aluminum



WOODBIDGE
ALUMINUM

*Other arm curves available.

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

FEATURES

- Aesthetically pleasing scalable family for lighting and traffic applications
- Clamshell design for quick, easy assembly
- Durable, high quality aluminum components provides clean, crisp details
- Provided with stainless-steel hardware
- Tamper-proof hardware available as special order
- Long-lasting finish available in a variety of colors
- Install on existing poles to enhance streetscape

POLE BASE DIAMETER RANGE		DIMENSIONS OF BASE COVER		MODEL NUMBER
TAPERED 0.14"/FT (IN)	NON-TAPERED (IN)	DIA (IN)	HEIGHT (IN)	
2.75 - 9.50	3.00 - 9.38	12.25	4.63	DT12AC
3.75 - 12.25	4.00 - 12.13	15.00	6.00	DT15AC
6.75 - 17.25	7.00 - 17.13	20.00	7.50	DT20AC

All dimensions shown are nominal.



DT12AC



DT15AC



DT20AC

PRODUCT ORDERING CODES

MODEL NUMBER	COLOR*	POLE BASE OD (IN)	BASE PLATE			ANCHOR BOLTS		HANDHOLE	
			BOLT CIRCLE DIA (IN)	SQUARE (IN)	THICKNESS (IN)	DIAMETER (IN)	PROJECTION (IN)	SIZE W x H (IN)	CENTER LINE HEIGHT (IN)
DT12AC DT15AC DT20AC	STEEL WH = White ST = Sandstone BK = Black SM = Silver Metallic SL = Silver LG = Light Gray SG = Slate Gray DT = Dark Tan MB = Medium Bronze CB = Bronze DB = Dark Bronze BN = Brown HG = Hunter Green DG = Dark Green RD = Red SC = Special Color <small>(Contact Factory)</small>	ALUMINUM DWH = White DSS = Sandstone BR = Burgundy HG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze SBN = Sanded Brown DNB = New Dark Bronze DDB = Dark Bronze SBK = Sanded Black DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color <small>(Contact Factory)</small>							

1. Model Number, Color and Pole Base OD required on all orders.
2. Additional information required when ordering separate from poles.

* Choose steel or aluminum when used in conjunction with the appropriate pole material.

DESCRIPTION

The EPIC Collection delivers custom luminaire flexibility with high quality, yet availability expectations of standard specification grade product. The EPIC Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, EPIC Collection delivers world class LED optical and performance solutions to the decorative luminaire marketplace.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

TOP: Cast aluminum classical top housing maintains a nominal 1/8" sidewall thickness. Top attaches to cast aluminum mounting arm hub with four (4) stainless steel fasteners. One-piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. **MIDSECTION:** Continuous silicone gaskets seal lens to top casting and shade. The following mid section options feature cast aluminum construction and stainless steel assembly hardware: SO Solid Rings. **SHADES:** Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. **DOORFRAME:** Die-cast aluminum 1/8" thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Mounting hub ships attached to mounting arm.

Optics

DISTRIBUTION: Choice of twelve (12) patented, high-efficiency AccuLED Optics™ that maximize light collection and direction

distribution onto the application region. Each optical lens is precision manufactured via injection-molding, then precisely arranged and sealed on the board media. **LEDs:** High output LEDs, 50,000+ hours life at >70% lumen maintenance, offered standard in 4000°K (+/- 275K) CCT and nominal 70 CRI.

Electrical

ELECTRICAL TRAY: Driver and related electrical componentry are mounted to one piece tray. Quick disconnect wiring plugs allows for tray removal during routine maintenance. **DRIVER:** LED drivers are potted and heat sunk for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120-277V/50-60hz), greater than 0.9 power factor, less than 20% harmonic distortion and feature ambient temperature range of +40°C (104°F) down to minimum starting temperature of -30°C (-22°F). Shipped standard with Cooper Lighting proprietary circuit module designed to withstand

10kV of transient line surge. All LED LightBARS and drivers are mounted to dedicated mounting trays and are easily replaced by use of quick disconnects for ease of wiring. Options to control light levels, energy savings and egress capabilities (separate circuit) are available.

Finish

Housing is finished in 5-stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty

ECM LED features a five-year limited warranty.

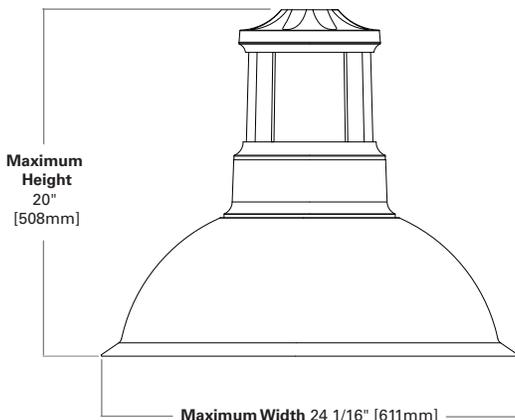


ECM EPIC CLASSICAL MEDIUM LED

1 - 4 LightBARS
Solid State LED

DECORATIVE AREA

DIMENSIONS



NOTE: See configurations for more detailed information.

CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARS
ARRA Compliant
LM79 / LM80 Compliant
3.5G Vibration Tested

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60hz, 347V/60hz, 480V/60hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
0.94

SHIPPING DATA

Approximate Net Weight:
45 lbs.

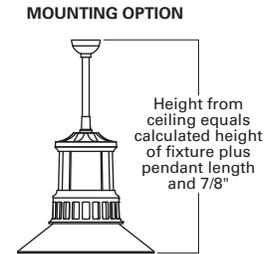
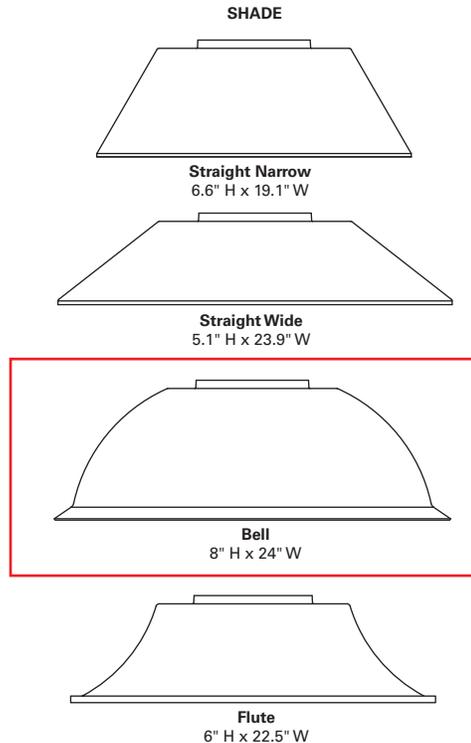
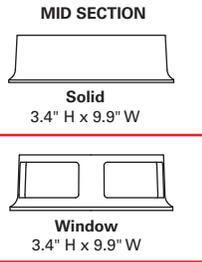
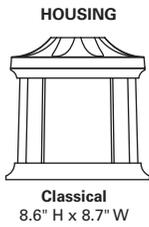
POWER AND LUMENS BY BAR COUNT

Number of LightBARs	DISTRIBUTION													
	Power [Watts]	Current @ 120V [A]	Current @ 277V [A]	T2	T3	T4	SL2	SL3	SL4	5MQ	5WQ	5XQ	RW	SLR/ SLL
7 LED LIGHTBAR														
C01	27	0.23	0.13	1,873	1,866	1,817	1,836	1,756	1,807	1,937	1,907	1,911	1,847	1,704
C02	54	0.46	0.21	3,716	3,701	3,605	3,642	3,485	3,585	3,843	3,783	3,792	3,665	3,380
C03	77	0.65	0.29	5,475	5,453	5,311	5,366	5,134	5,282	5,661	5,573	5,586	5,399	4,980
C04	101	0.86	0.37	7,282	7,253	7,064	7,137	6,829	7,026	7,530	7,413	7,430	7,181	6,624
21 LED LIGHTBAR														
B01	27	0.23	0.13	2,304	2,295	2,235	2,258	2,160	2,223	2,382	2,345	2,351	2,272	2,096
B02	51	0.43	0.20	4,571	4,553	4,434	4,480	4,286	4,410	4,726	4,653	4,664	4,508	4,158
B03	73	0.62	0.28	6,734	6,707	6,533	6,600	6,315	6,497	6,963	6,855	6,871	6,641	6,125
B04	95	0.81	0.35	8,957	8,921	8,689	8,779	8,399	8,642	9,262	9,118	9,139	8,833	8,148

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

PRODUCT CONFIGURATION





DECORATIVE LAMP POST

SMOOTH TAPERED POLE 5 INCHES AT POST TOP

- Smooth, tapered composite pole shaft
- Direct Embedded and Anchor Base models
- XTREME[®] 2-piece elastomeric urethane base cover

Ordering Information

SAMPLE CATALOG NUMBER LOGIC

	B	C	D	E	F	G
ST50-D21L	30	DE	DGR	40	-30	
ST50-D21L	28	AB	HGR	30	-30	
BASE ONLY D21L	•	•	BLK	•	•	•

BASE & POLE DESIGN	ABOVE GRADE HEIGHT	INSTALLATION METHOD	COLOR	TENON O.D.	TENON HEIGHT	OPTIONS
--------------------	--------------------	---------------------	-------	------------	--------------	---------

B ABOVE GRADE HEIGHT	
Cat No.	Description
10	10 feet/3.0M
11	11 feet/3.4M
12	12 feet/3.7M
13	13 feet/4.0M
14	14 feet/4.3M
15	15 feet/4.6M
16	16 feet/4.9M
17	17 feet/5.2M
18	18 feet/5.5M
19	19 feet/5.8M
20	20 feet/6.1M
21	21 feet/6.40M
22	22 feet/6.71M
23	23 feet/7.01M
24	24 feet/7.32M
25	25 feet/7.62M
26	26 feet/7.92M
27	27 feet/8.32M
28	28 feet/8.53M
29	29 feet/8.84M
30	30 feet/9.14M

C INSTALLATION METHOD	
Cat No.	Description
DE	Direct Embedded
AB	Anchor Base

D COLOR	
Cat No.	Description
BLK	Black
MTB	Matte Black
DBZ	Dark Bronze
DGR	Dark Green
HTG	Hunter Green
SLV	Silver
WHT	White
GRY	Grey
CC	Custom color - Please provide a min. 3" x 3" color chip.
RAL	Please provide a four digit RAL color number.

E TENON O.D. (OUTSIDE DIAMETER)	
Cat No.	Description
23	2 3/8" (60 mm)
27	2 7/8" (73mm)
30	3" (76 mm)
35	3 1/2" (89 mm)
40	4" (102 mm)

F TENON HEIGHT	
Cat No.	Description
-30	3.0" (76 mm)
-35	3.5" (89mm)
-40	4.0" (102 mm)
-50	5.0" (127 mm)
-60	6.0" (178 mm)

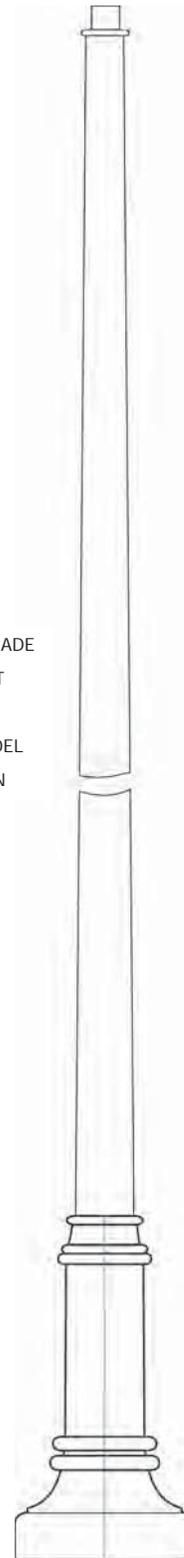
Tenons include a cast decorative ring at the top of the pole.

• For other tenon sizes contact the factory.

G OPTIONS	
Cat No.	Description
R1	Single receptacle and housing with spring loaded cover. Molded in dark grey color. Standard location is 12"/305mm below the top of the pole.

RC Receptacle housing and a NEC approved cover. GFCI receptacle by others. Standard location is 12"/305mm below the top of the pole.

• Other accessories are shown on the Accessories specification sheet.

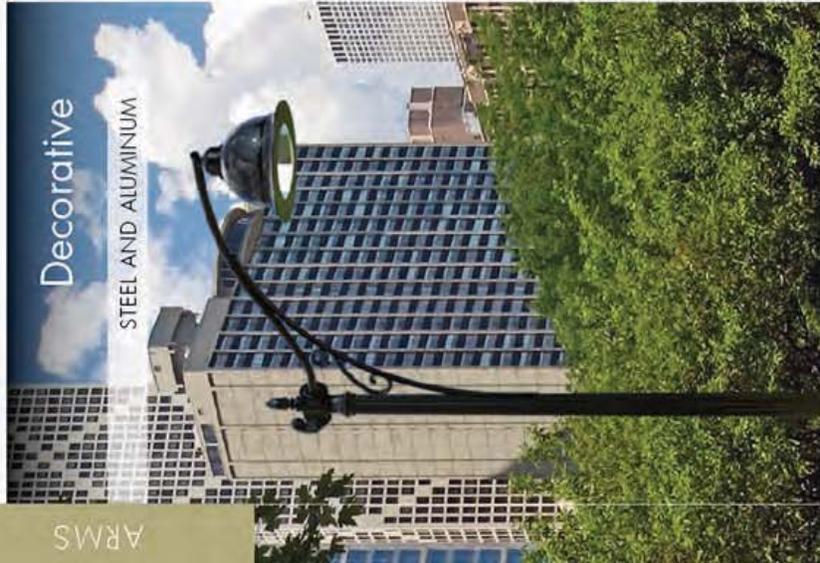


ABOVE GRADE HEIGHT

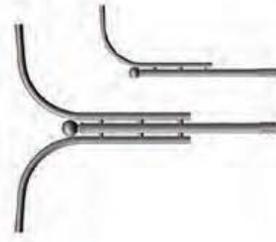
20' MODEL SHOWN

HEIGHT: 59"/1499MM

BASE DIAMETER: 22"/559MM



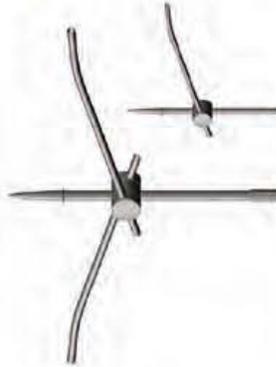
Decorative
STEEL AND ALUMINUM



STRADA 3
SINGLE OR DOUBLE
ALUMINUM



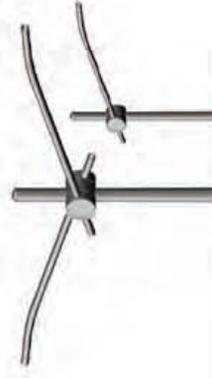
VISTA 1
SINGLE OR DOUBLE
STEEL OR ALUMINUM



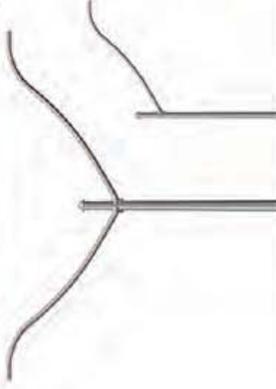
VISTA 2
SINGLE OR DOUBLE
ALUMINUM



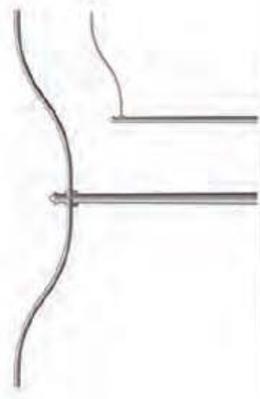
VISTA 3
SINGLE OR DOUBLE
ALUMINUM



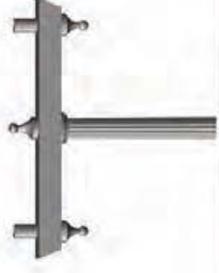
VISTA 4
SINGLE OR DOUBLE
ALUMINUM



WELLINGTON*
SINGLE OR DOUBLE
STEEL



WINDSOR*
SINGLE OR DOUBLE
STEEL
Aluminum



WOODBRIDGE
ALUMINUM

*Other arm curves available.

DESCRIPTION

The EPIC Collection delivers custom luminaire flexibility with high quality, yet availability expectations of standard specification grade product. The EPIC Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, EPIC Collection delivers world class LED optical and performance solutions to the decorative luminaire marketplace.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

TOP: Cast aluminum classical top housing maintains a nominal 1/8" sidewall thickness. Top attaches to cast aluminum mounting arm hub with four (4) stainless steel fasteners. One-piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. **MIDSECTION:** Continuous silicone gaskets seal lens to top casting and shade. The following mid section options feature cast aluminum construction and stainless steel assembly hardware: SO Solid Rings. **SHADES:** Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. **DOORFRAME:** Die-cast aluminum 1/8" thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Mounting hub ships attached to mounting arm.

Optics

DISTRIBUTION: Choice of twelve (12) patented, high-efficiency AccuLED Optics™ that maximize light collection and direction

distribution onto the application region. Each optical lens is precision manufactured via injection-molding, then precisely arranged and sealed on the board media. **LEDs:** High output LEDs, 50,000+ hours life at >70% lumen maintenance, offered standard in 4000°K (+/- 275K) CCT and nominal 70 CRI.

Electrical

ELECTRICAL TRAY: Driver and related electrical componentry are mounted to one piece tray. Quick disconnect wiring plugs allows for tray removal during routine maintenance. **DRIVER:** LED drivers are potted and heat sunk for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120-277V/50-60hz), greater than 0.9 power factor, less than 20% harmonic distortion and feature ambient temperature range of +40°C (104°F) down to minimum starting temperature of -30°C (-22°F). Shipped standard with Cooper Lighting proprietary circuit module designed to withstand

10kV of transient line surge. All LED LightBARS and drivers are mounted to dedicated mounting trays and are easily replaced by use of quick disconnects for ease of wiring. Options to control light levels, energy savings and egress capabilities (separate circuit) are available.

Finish

Housing is finished in 5-stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty

ECM LED features a five-year limited warranty.

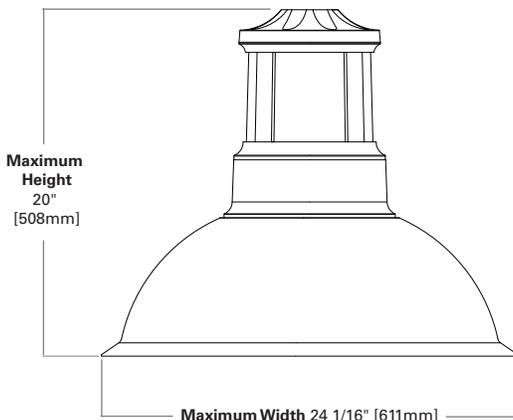


ECM EPIC CLASSICAL MEDIUM LED

1 - 4 LightBARS
Solid State LED

DECORATIVE AREA

DIMENSIONS



NOTE: See configurations for more detailed information.

CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARS
ARRA Compliant
LM79 / LM80 Compliant
3.5G Vibration Tested

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60hz, 347V/60hz, 480V/60hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
0.94

SHIPPING DATA

Approximate Net Weight:
45 lbs.

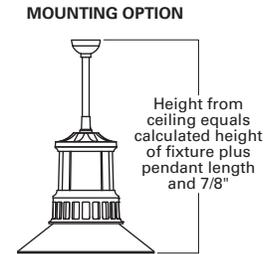
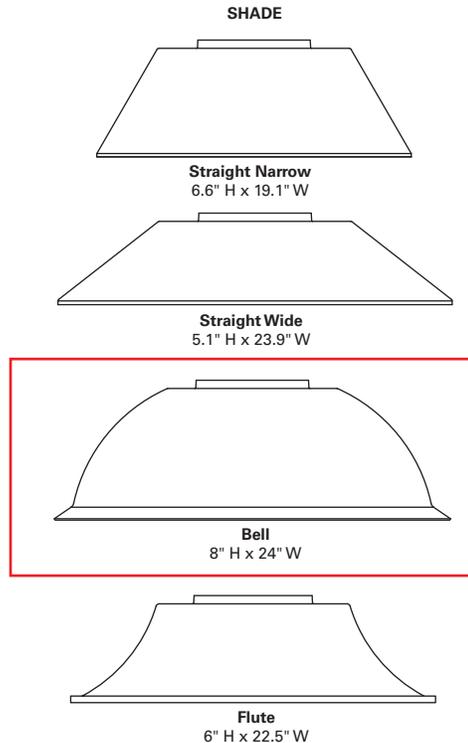
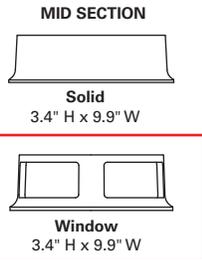
POWER AND LUMENS BY BAR COUNT

Number of LightBARs	DISTRIBUTION													
	Power [Watts]	Current @ 120V [A]	Current @ 277V [A]	T2	T3	T4	SL2	SL3	SL4	5MQ	5WQ	5XQ	RW	SLR/ SLL
7 LED LIGHTBAR														
C01	27	0.23	0.13	1,873	1,866	1,817	1,836	1,756	1,807	1,937	1,907	1,911	1,847	1,704
C02	54	0.46	0.21	3,716	3,701	3,605	3,642	3,485	3,585	3,843	3,783	3,792	3,665	3,380
C03	77	0.65	0.29	5,475	5,453	5,311	5,366	5,134	5,282	5,661	5,573	5,586	5,399	4,980
C04	101	0.86	0.37	7,282	7,253	7,064	7,137	6,829	7,026	7,530	7,413	7,430	7,181	6,624
21 LED LIGHTBAR														
B01	27	0.23	0.13	2,304	2,295	2,235	2,258	2,160	2,223	2,382	2,345	2,351	2,272	2,096
B02	51	0.43	0.20	4,571	4,553	4,434	4,480	4,286	4,410	4,726	4,653	4,664	4,508	4,158
B03	73	0.62	0.28	6,734	6,707	6,533	6,600	6,315	6,497	6,963	6,855	6,871	6,641	6,125
B04	95	0.81	0.35	8,957	8,921	8,689	8,779	8,399	8,642	9,262	9,118	9,139	8,833	8,148

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

PRODUCT CONFIGURATION





REQUEST FOR CONSIDERATION

COMMITTEE:	Finance/Public Works Committee
ITEM DESCRIPTION:	October 2014 Financial Report
PREPARED BY:	Susan L Hudson, Treasurer / Comptroller
REPORT DATE:	November 26, 2014
MANAGER'S REVIEW/COMMENTS:	<input checked="" type="checkbox"/> No additional comments to this report. <input type="checkbox"/> See additional comments attached.
RECOMMENDATION:	For Information Purposes
EXPLANATION:	<p>Attached is the Revenue and Expenditure Report as of October 31, 2014.</p> <p>Columns one and two compare activity for October 2013 and October 2014. Column three is the YTD balance as of October 31, 2014 Column four is 2014 Budget Amount Column five is Available Balance Column six is percentage of Budget used</p> <p>Here are the top three Financial Highlights from the month of October 2014:</p> <ol style="list-style-type: none">1. We have sold old equipment in the amount of \$54,086. These funds go back into the CIP for replacement of future equipment.2. At the end of September the General Fund has received 96.40% of its revenue.3. At the end of September the General Fund has spent 84.86% of its expenditures. <p>Please feel free to contact me if you have any questions or concerns.</p>

REVENUE AND EXPENDITURE REPORT
 PERIOD ENDING 10/31/2014
 % Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 010 - General Fund							
Revenues							
010-000-11-4-00-10	General Property Taxes	0.00	0.00	6,178,834.32	6,177,920.00	(914.32)	100.01
010-000-12-4-00-10	Hotel Room Taxes	93,884.73	99,106.81	455,376.91	500,435.00	45,058.09	91.00
010-000-13-4-00-10	Payments In Lieu of Taxes	0.00	0.00	3,000.00	285,438.00	282,438.00	1.05
010-000-34-4-00-10	Shared Revenue	0.00	0.00	28,274.71	188,498.00	160,223.29	15.00
010-000-34-4-00-20	Fire Dues	0.00	0.00	35,723.49	34,883.00	(840.49)	102.41
010-000-34-4-00-30	Computer Exemptions	0.00	0.00	619,332.00	471,800.00	(147,532.00)	131.27
010-000-34-4-00-40	Expenditure Restraint	0.00	0.00	240,586.06	240,586.00	(0.06)	100.00
010-000-35-4-20-00	Public Safety	0.00	0.00	4,960.00	4,000.00	(960.00)	124.00
010-000-35-4-30-10	Transportation Aids	99,915.29	101,109.12	404,436.45	399,895.00	(4,541.45)	101.14
010-000-41-4-10-10	Liquor & Malt Beverage	0.00	0.00	11,425.00	11,400.00	(25.00)	100.22
010-000-41-4-20-10	Bartender	140.00	0.00	5,090.00	4,700.00	(390.00)	108.30
010-000-41-4-20-15	Cigarette	0.00	0.00	450.00	450.00	0.00	100.00
010-000-41-4-20-20	Soda Water	(15.00)	30.00	1,290.00	1,500.00	210.00	86.00
010-000-41-4-20-30	Peddling & Other	0.00	160.00	6,220.00	6,500.00	280.00	95.69
010-000-41-4-20-40	Cable Franchise Fees	0.00	0.00	93,730.75	182,000.00	88,269.25	51.50
010-000-41-4-20-50	Electrical	0.00	0.00	0.00	5,700.00	5,700.00	0.00
010-000-42-4-00-10	Bicycle	5.00	0.00	15.00	20.00	5.00	75.00
010-000-42-4-00-20	Dog/Cat Licenses	0.00	143.00	5,865.43	6,000.00	134.57	97.76
010-000-43-4-00-10	Building	3,969.66	35,542.86	182,292.29	120,000.00	(62,292.29)	151.91
010-000-43-4-00-20	Electrical	4,485.50	1,403.50	28,074.00	20,000.00	(8,074.00)	140.37
010-000-43-4-00-30	Plumbing	626.00	744.00	7,326.00	11,000.00	3,674.00	66.60
010-000-43-4-00-40	Heating & A/C	3,692.00	4,418.40	40,804.21	17,000.00	(23,804.21)	240.02
010-000-44-4-00-10	Zoning Application Fees	(500.00)	50.00	2,850.00	4,500.00	1,650.00	63.33
010-000-44-4-00-20	Board of Appeals	0.00	0.00	350.00	250.00	(100.00)	140.00
010-000-44-4-00-30	Building Board Fee	180.00	120.00	1,020.00	1,000.00	(20.00)	102.00

REVENUE AND EXPENDITURE REPORT
 PERIOD ENDING 10/31/2014
 % Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR		YTD BALANCE		2014		AVAILABLE		% BDGT
		10/31/2013	10/31/2014	10/31/2014	BUDGET	BALANCE	USED			
010-000-49-4-20-10	Compliance Certificates	0.00	1,200.00	17,550.00	16,000.00	(1,550.00)	109.69			109.69
010-000-49-4-20-20	Miscellaneous Permits	0.00	0.00	600.00	2,000.00	1,400.00	30.00			30.00
010-000-49-4-30-10	Block Party Permits	0.00	0.00	50.00	50.00	0.00	100.00			100.00
010-000-49-4-30-20	R-O-W Permits	582.70	1,281.00	10,818.70	10,000.00	(818.70)	108.19			108.19
010-000-51-4-00-10	Court Fines & Penalties	11,164.88	0.00	173,460.67	200,000.00	26,539.33	86.73			86.73
010-000-51-4-00-11	Parking Fees	4,220.00	2,779.00	35,354.66	39,884.00	4,529.34	88.64			88.64
010-000-61-4-10-10	Photocopies	0.00	0.00	35.25	250.00	214.75	14.10			14.10
010-000-61-4-10-20	Property Information Certif	75.00	95.00	1,285.01	700.00	(585.01)	183.57			183.57
010-000-61-4-10-25	Prop Info Certificate-Reserved	90.00	50.00	630.00	450.00	(180.00)	140.00			140.00
010-000-61-4-10-30	Sale of Materials	0.00	0.00	20.00	0.00	(20.00)	100.00			100.00
010-000-62-4-10-10	Photocopies	350.50	128.50	1,320.15	2,000.00	679.85	66.01			66.01
010-000-62-4-10-15	Alarm fees	5,810.00	5,170.00	11,850.00	3,500.00	(8,350.00)	338.57			338.57
010-000-62-4-10-30	Fingerprints/Misc	245.00	343.45	3,215.30	3,000.00	(215.30)	107.18			107.18
010-000-63-4-00-10	Engineering Services	500.00	0.00	0.00	1,200.00	1,200.00	0.00			0.00
010-000-63-4-00-20	DPW Services	300.00	1,078.90	1,178.90	550.00	(628.90)	214.35			214.35
010-000-73-4-20-60	Municipal Range Usage Fees	0.00	0.00	2,000.00	1,800.00	(200.00)	111.11			111.11
010-000-73-4-50-50	Rent Income	0.00	0.00	39,021.00	39,021.00	0.00	100.00			100.00
010-000-74-4-10-10	TIF Administration	0.00	0.00	132,043.00	132,043.00	0.00	100.00			100.00
010-000-74-4-10-20	Engineering & Administration	0.00	0.00	99,386.00	99,386.00	0.00	100.00			100.00
010-000-74-4-10-30	Miscellaneous Charges	0.00	0.00	188,228.00	188,228.00	0.00	100.00			100.00
010-000-74-4-20-40	Street Lighting Admin	0.00	0.00	3,000.00	3,000.00	0.00	100.00			100.00
010-000-74-4-40-10	Admin, Labor & Benefits-SEWER	0.00	0.00	93,806.00	93,806.00	0.00	100.00			100.00
010-000-74-4-40-20	Equipment & Materials	0.00	0.00	0.00	5,000.00	5,000.00	0.00			0.00
010-000-74-4-41-10	Admin, Labor & Benefits-STORM	0.00	0.00	47,765.00	47,765.00	0.00	100.00			100.00
010-000-74-4-41-20	Equipment & Materials	0.00	0.00	0.00	7,280.00	7,280.00	0.00			0.00
010-000-74-4-42-10	Admin, Labor & Benefits-WATER	0.00	0.00	48,977.25	65,303.00	16,325.75	75.00			75.00
010-000-74-4-42-20	Equipment & Materials	0.00	0.00	0.00	350.00	350.00	0.00			0.00
010-000-74-4-43-10	Admin, Labor and Benefits	0.00	0.00	23,823.00	23,823.00	0.00	100.00			100.00

REVENUE AND EXPENDITURE REPORT
 PERIOD ENDING 10/31/2014
 % Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
010-000-74-4-43-20	Equipment & Materials-RECYCLIN	0.00	0.00	0.00	8,500.00	8,500.00	0.00
010-000-81-4-00-10	Investment Interest	12,325.72	10,661.35	41,391.37	40,000.00	(1,391.37)	103.48
010-000-81-4-00-20	Interest-Delinquent Taxes	0.61	0.00	43,883.68	25,000.00	(18,883.68)	175.53
010-000-82-4-00-10	Rent Income	1,520.88	0.00	7,072.10	9,125.00	2,052.90	77.50
010-000-82-4-00-20	Insurance Dividends	0.00	0.00	0.00	30,000.00	30,000.00	0.00
010-000-82-4-00-50	Miscellaneous Revenue	132.25	40.01	5,958.10	2,500.00	(3,458.10)	238.32
010-000-83-4-00-10	Equipment Sales	44,999.44	4,000.00	54,086.00	0.00	(54,086.00)	100.00
010-000-83-4-00-20	Advertising Sales-BD Magazine	295.00	0.00	14,742.25	16,000.00	1,257.75	92.14
TOTAL Revenues		288,995.16	269,654.90	9,459,878.01	9,812,989.00	353,110.99	96.40
Expenditures							
000-00		(160.14)	(214.08)	(1,686.23)	0.00	1,686.23	100.00
110-11	VILLAGE BOARD	2,472.09	2,422.12	25,416.41	38,771.00	13,354.59	65.56
120-12	MUNICIPAL COURT	10,847.12	16,918.77	108,351.17	101,800.00	(6,551.17)	106.44
130-13	LEGAL SERVICES	15,112.15	11,398.00	99,967.04	141,508.00	41,540.96	70.64
140-14	VILLAGE MANAGER	76,866.47	35,732.22	273,604.13	346,308.00	72,703.87	79.01
141-14	VILLAGE MNGER - PERSONNEL ADMIN	0.00	(2,474.00)	28,717.50	12,500.00	(16,217.50)	229.74
142-14	ELECTIONS	0.00	134.42	12,653.50	12,500.00	(153.50)	101.23
150-15	ADMINISTRATIVE SERVICES	23,180.75	25,157.04	230,915.38	315,022.00	84,106.62	73.30
151-15	ASSESSOR	0.00	2,273.24	19,759.34	29,500.00	9,740.66	66.98
191-14	OTHER GENERAL GOVERNMENT	5,846.01	4,035.91	77,378.44	118,780.00	41,401.56	65.14
192-14	INFORMATION TECHNOLOGY	254.90	0.00	5,536.97	15,180.00	9,643.03	36.48
193-41	INTERGOVERNMENTAL EXP.	0.00	0.00	138,062.00	140,932.00	2,870.00	97.96
194-51	HISTORICAL SOCIETY	23.53	33.52	878.06	500.00	(378.06)	175.61
195-18	PERSONNEL POST-EMPLOYMENT	1,782.73	(5,220.22)	5,446.56	29,450.00	24,003.44	18.49
195-28	Other General Government	100.00	60.00	1,610.00	1,500.00	(110.00)	107.33
199-15	UNCLASSIFIED GEN GOV	1,703.62	0.00	5,198.58	4,000.00	(1,198.58)	129.96

REVENUE AND EXPENDITURE REPORT
 PERIOD ENDING 10/31/2014
 % Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
199-19	PROPERTY INSURANCE	0.00	30,779.00	151,058.00	169,273.00	18,215.00	89.24
199-92	OTHER FINANCING USES	0.00	0.00	90,000.00	90,000.00	0.00	100.00
210-21	POLICE DEPARTMENT	378,218.73	401,384.48	2,902,679.33	3,669,399.00	766,719.67	79.11
220-22	FIRE DEPARTMENT - EG	36.26	20.77	2,091,657.29	2,104,825.00	13,167.71	99.37
230-23	DISPATCH SERVICES	320.08	264,309.74	417,181.58	387,265.00	(29,916.58)	107.73
310-31	PUBLIC WORKS ADMINISTRATION	11,899.62	13,652.04	179,873.34	233,545.82	53,672.48	77.02
311-33	DPW STREETS/TRAFFIC OPERATIONS	29,010.14	22,004.32	124,317.35	205,959.90	81,642.55	60.36
312-34	DPW SIDEWALK MAINTENANCE	524.48	0.00	0.00	8,468.39	8,468.39	0.00
313-33	DPW WINTER OPERATIONS	3,134.04	6,580.94	121,915.71	149,534.03	27,618.32	81.53
317-61	DPW FORESTRY OPERATIONS	10,206.43	1,326.14	52,546.36	87,040.33	34,493.97	60.37
319-16	DPW MUNICIPAL COMPLEX	1,383.03	1,431.95	27,046.87	30,680.00	3,633.13	88.16
319-33	DPW MUNICIPAL COMPLEX	19,016.09	28,750.53	182,902.29	192,975.91	10,073.62	94.78
320-36	DPW REFUSE	62,657.39	32,133.55	302,706.98	398,672.59	95,965.61	75.93
360-31	COMMUNITY DEVELOPMENT	37,771.74	43,396.44	328,723.59	419,466.00	90,742.41	78.37
361-16	VILLAGE HALL	20,648.20	23,410.71	155,758.85	151,915.00	(3,843.85)	102.53
530-53	PARK & RECREATION	22,126.76	22,340.43	166,716.36	205,717.00	39,000.64	81.04
TOTAL Expenditures		734,982.22	981,777.98	8,326,892.75	9,812,987.97	1,486,095.22	84.86

Fund 010 - General Fund:

TOTAL REVENUES	288,995.16	269,654.90	9,459,878.01	9,812,989.00	353,110.99	96.40
TOTAL EXPENDITURES	734,982.22	981,777.98	8,326,892.75	9,812,987.97	1,486,095.22	84.86
NET OF REVENUES & EXPENDITURES	(445,987.06)	(712,123.08)	1,132,985.26	1.03	(1,132,984.23)	109,998,568.93

REVENUE AND EXPENDITURE REPORT

PERIOD ENDING 10/31/2014

% Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 135 - Recycling Fund							
Revenues							
135-000-35-4-40-10	Recycling Grant	0.00	0.00	43,776.99	40,000.00	(3,776.99)	109.44
135-000-64-4-20-10	Recycling Charges	0.00	0.00	348,264.79	332,560.00	(15,704.79)	104.72
135-000-64-4-20-15	Recycling Cart Purchases	0.00	172.70	172.70	200.00	27.30	86.35
135-000-64-4-20-20	Sale of Materials	332.50	1,175.24	10,363.45	15,000.00	4,636.55	69.09
135-000-81-4-00-10	Investment Interest	1,150.00	1,115.00	4,275.00	0.00	(4,275.00)	100.00
135-000-82-4-00-50	Miscellaneous Revenue	0.00	250.00	2,385.00	2,500.00	115.00	95.40
TOTAL Revenues		1,482.50	2,712.94	409,237.93	390,260.00	(18,977.93)	104.86
Expenditures							
320-36	DPW REFUSE	37,440.32	25,422.19	202,917.05	337,886.91	134,969.86	60.05
TOTAL Expenditures		37,440.32	25,422.19	202,917.05	337,886.91	134,969.86	60.05
Fund 135 - Recycling Fund:							
TOTAL REVENUES		1,482.50	2,712.94	409,237.93	390,260.00	(18,977.93)	104.86
TOTAL EXPENDITURES		37,440.32	25,422.19	202,917.05	337,886.91	134,969.86	60.05
NET OF REVENUES & EXPENDITURES		(35,957.82)	(22,709.25)	206,320.88	52,373.09	(153,947.79)	393.94

REVENUE AND EXPENDITURE REPORT

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% Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 140 - North Shore Health Dept							
Revenues							
140-000-49-4-20-30	Permits	793.00	438.00	103,433.00	105,974.00	2,541.00	97.60
140-000-65-4-10-13	Clinic Fees	4,294.00	6,230.00	18,844.30	20,500.00	1,655.70	91.92
140-000-73-4-50-10	Bayside Contribution	6,560.75	6,560.75	26,243.00	26,243.00	0.00	100.00
140-000-73-4-50-20	Brown Deer Contribution	0.00	0.00	125,932.00	125,932.00	0.00	100.00
140-000-73-4-50-30	Fox Point Contribution	0.00	6,800.00	27,200.00	27,200.00	0.00	100.00
140-000-73-4-50-40	Glendale Contribution	16,132.00	16,132.00	64,528.00	64,528.00	0.00	100.00
140-000-73-4-50-50	River Hills Contribution	0.00	2,309.50	9,238.00	9,238.00	0.00	100.00
140-000-73-4-50-70	Shorewood contribution	0.00	0.00	96,303.75	128,405.00	32,101.25	75.00
140-000-73-4-50-80	Whitefish Bay contribution	16,510.00	16,510.00	66,040.00	66,040.00	0.00	100.00
140-000-73-4-50-85	TB Dispensary	0.00	346.25	346.25	1,100.00	753.75	31.48
140-000-73-4-50-90	TB Dispensary Medicaid	689.72	(327.29)	0.00	1,500.00	1,500.00	0.00
140-000-74-4-10-10	Interdepartmental Grant Fund	0.00	0.00	12,847.00	12,847.00	0.00	100.00
140-000-81-4-00-10	Investment Interest	293.00	237.00	590.00	0.00	(590.00)	100.00
140-000-85-4-40-10	Donations - NSHD	0.00	10.00	570.00	0.00	(570.00)	100.00
TOTAL Revenues		45,272.47	55,246.21	552,115.30	589,507.00	37,391.70	93.66
Expenditures							
410-41		53,630.79	50,892.59	399,269.70	484,758.00	85,488.30	82.36
411-41		9,789.68	10,586.48	83,199.90	104,749.00	21,549.10	79.43
TOTAL Expenditures		63,420.47	61,479.07	482,469.60	589,507.00	107,037.40	81.84
Fund 140 - North Shore Health Dept:							

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
TOTAL REVENUES		45,272.47	55,246.21	552,115.30	589,507.00	37,391.70	93.66
TOTAL EXPENDITURES		63,420.47	61,479.07	482,469.60	589,507.00	107,037.40	81.84
NET OF REVENUES & EXPENDITURES		(18,148.00)	(6,232.86)	69,645.70	0.00	(69,645.70)	100.00

REVENUE AND EXPENDITURE REPORT

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 141 - NSHD Grant Fund							
Revenues							
141-000-35-4-50-10	MCH-Maternal/Child Health	0.00	0.00	14,624.00	14,538.00	(86.00)	100.59
141-000-35-4-50-15	Immunization Grant	0.00	0.00	8,223.00	14,565.00	6,342.00	56.46
141-000-35-4-50-20	Prevention Grant	0.00	0.00	3,092.00	3,911.00	819.00	79.06
141-000-35-4-50-45	Public Health Preparedness	0.00	19,283.00	77,498.73	93,781.00	16,282.27	82.64
141-000-35-4-50-47	CRI NSHD	0.00	4,163.00	19,332.40	0.00	(19,332.40)	100.00
141-000-35-4-50-49	Lead	0.00	0.00	1,805.00	2,552.00	747.00	70.73
141-000-35-4-50-66	HCR Infrastructure Grant	0.00	(1,334.00)	7,616.00	0.00	(7,616.00)	100.00
141-000-35-4-50-70	Beach Water Grant	2,450.00	2,450.00	2,450.00	2,450.00	0.00	100.00
141-000-35-4-50-72	CHIP (Comm Health Improv Plan)	3,651.64	0.00	0.00	0.00	0.00	0.00
TOTAL Revenues		6,101.64	24,562.00	134,641.13	131,797.00	(2,844.13)	102.16
Expenditures							
421-41	MCH	53.68	544.76	10,849.72	14,538.00	3,688.28	74.63
422-41	IMM GRANT	253.41	199.83	3,701.50	14,565.00	10,863.50	25.41
423-41	PREVENTION	0.00	0.00	1,169.45	0.00	(1,169.45)	100.00
442-41	PHP Preparedness	9,036.08	5,383.51	74,732.74	93,781.00	19,048.26	79.69
448-41	Beach Water	0.00	2,450.00	2,450.00	2,450.00	0.00	100.00
450-41	Preparedness CRI	0.00	0.00	15,169.40	0.00	(15,169.40)	100.00
452-41	LEAD	0.00	1,214.66	4,093.24	2,552.00	(1,541.24)	160.39
453-41	CHIP Grant Expenses	(1,462.83)	0.00	0.00	0.00	0.00	0.00
454-41	HCR Infrastructure Grant	0.00	0.00	8,950.00	0.00	(8,950.00)	100.00
TOTAL Expenditures		7,880.34	9,792.76	121,116.05	127,886.00	6,769.95	94.71

REVENUE AND EXPENDITURE REPORT

PERIOD ENDING 10/31/2014

% Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED

Fund 141 - NSHD Grant Fund:							
TOTAL REVENUES		6,101.64	24,562.00	134,641.13	131,797.00	(2,844.13)	102.16
TOTAL EXPENDITURES		7,880.34	9,792.76	121,116.05	127,886.00	6,769.95	94.71
NET OF REVENUES & EXPENDITURES		(1,778.70)	14,769.24	13,525.08	3,911.00	(9,614.08)	345.82

REVENUE AND EXPENDITURE REPORT

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% Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 151 - Library Fund							
Revenues							
151-000-11-4-00-10	General Property Taxes	0.00	0.00	385,346.01	385,346.00	(0.01)	100.00
151-000-67-4-10-10	Photocopies	535.45	304.62	5,863.58	4,600.00	(1,263.58)	127.47
151-000-67-4-10-20	Library-Fines	2,249.15	1,831.07	17,066.41	18,500.00	1,433.59	92.25
151-000-67-4-10-30	Sale of Materials	81.85	13.30	637.80	900.00	262.20	70.87
151-000-67-4-10-40	Lost Material Charges	229.00	128.99	1,421.68	1,200.00	(221.68)	118.47
151-000-67-4-10-90	Miscellaneous Charges	0.00	233.10	2,320.44	0.00	(2,320.44)	100.00
151-000-73-4-60-10	MFLS-Reciprocal Borrowing	0.00	0.00	108,511.00	108,111.00	(400.00)	100.37
151-000-81-4-00-10	Investment Interest	472.00	343.00	1,562.00	2,500.00	938.00	62.48
151-000-82-4-00-10	Rent Income	0.00	0.00	1,050.00	0.00	(1,050.00)	100.00
151-000-85-4-50-10	Donations - Library	2,348.54	0.00	6,748.83	8,000.00	1,251.17	84.36
TOTAL Revenues		5,915.99	2,854.08	530,527.75	529,157.00	(1,370.75)	100.26
Expenditures							
510-51	92400	48,020.97	42,877.50	349,912.59	424,438.00	74,525.41	82.44
511-51		8,267.78	4,492.09	52,702.78	66,750.00	14,047.22	78.96
512-51		3,803.76	1,507.83	37,986.52	37,850.00	(136.52)	100.36
TOTAL Expenditures		60,092.51	48,877.42	440,601.89	529,038.00	88,436.11	83.28
Fund 151 - Library Fund:							
TOTAL REVENUES		5,915.99	2,854.08	530,527.75	529,157.00	(1,370.75)	100.26
TOTAL EXPENDITURES		60,092.51	48,877.42	440,601.89	529,038.00	88,436.11	83.28
NET OF REVENUES & EXPENDITURES		(54,176.52)	(46,023.34)	89,925.86	119.00	(89,806.86)	75,567.95

REVENUE AND EXPENDITURE REPORT

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 152 - Village Park & Pond Fund							
Revenues							
152-000-11-4-00-10	General Property Taxes	0.00	0.00	47,500.00	47,500.00	0.00	100.00
152-000-67-4-20-10	Fairy Chasm Park Permits	0.00	0.00	1,380.00	1,500.00	120.00	92.00
152-000-67-4-20-20	Village Park Permits	0.00	0.00	4,808.02	4,785.00	(23.02)	100.48
152-000-67-4-20-50	Other Charges	0.00	0.00	465.00	500.00	35.00	93.00
152-000-67-4-34-10	Pond Admissions	0.00	0.00	10,970.44	19,000.00	8,029.56	57.74
152-000-67-4-34-20	Pond Memberships	0.00	0.00	3,043.81	5,200.00	2,156.19	58.53
152-000-67-4-34-30	Concession Sales	0.00	0.00	3,941.50	7,500.00	3,558.50	52.55
152-000-81-4-00-10	Investment Interest	115.00	68.00	386.00	0.00	(386.00)	100.00
TOTAL Revenues		115.00	68.00	72,494.77	85,985.00	13,490.23	84.31
Expenditures							
520-52		3,237.02	2,880.00	66,723.08	73,004.00	6,280.92	91.40
521-52		410.68	294.80	10,688.30	14,048.00	3,359.70	76.08
TOTAL Expenditures		3,647.70	3,174.80	77,411.38	87,052.00	9,640.62	88.93
Fund 152 - Village Park & Pond Fund:							
TOTAL REVENUES		115.00	68.00	72,494.77	85,985.00	13,490.23	84.31
TOTAL EXPENDITURES		3,647.70	3,174.80	77,411.38	87,052.00	9,640.62	88.93
NET OF REVENUES & EXPENDITURES		(3,532.70)	(3,106.80)	(4,916.61)	(1,067.00)	3,849.61	460.79

REVENUE AND EXPENDITURE REPORT

PERIOD ENDING 10/31/2014

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GL NUMBER	DESCRIPTION	ACTIVITY FOR		YTD BALANCE	2014	AVAILABLE		% BDGT
		10/31/2013	10/31/2014			BUDGET	BALANCE	
Fund 153 - Recreation Program Fund								
Revenues								
153-000-67-4-30-20	Adult Sport Leagues	680.00	438.00	3,647.00	6,860.00	3,213.00	53.16	
153-000-67-4-30-25	Adult Instruction	1,673.00	2,178.00	21,812.00	24,641.00	2,829.00	88.52	
153-000-67-4-30-30	Youth Instruction	70.00	45.00	25,542.00	27,828.00	2,286.00	91.79	
153-000-67-4-30-35	Community Programs	0.00	0.00	1,164.00	2,350.00	1,186.00	49.53	
153-000-67-4-30-40	Aquatic Program	22.00	0.00	12,749.00	22,185.00	9,436.00	57.47	
153-000-67-4-30-45	Senior Programs	0.00	60.00	1,454.89	2,000.00	545.11	72.74	
153-000-67-4-30-50	Other Program Charges	0.00	0.00	15.00	150.00	135.00	10.00	
153-000-67-4-30-60	Community Center - Miscellaneous	0.00	0.00	0.00	1,000.00	1,000.00	0.00	
153-000-73-4-20-70	Other Intergov't Revenue	0.00	0.00	9,511.45	16,000.00	6,488.55	59.45	
153-000-81-4-00-10	Investment Interest	114.00	121.00	398.00	0.00	(398.00)	100.00	
153-000-82-4-00-30	Fund Raising Programs	140.00	0.00	5,225.25	8,150.00	2,924.75	64.11	
153-000-85-4-53-10	Donations - Rec Programs	0.00	0.00	0.00	250.00	250.00	0.00	
153-000-85-4-53-20	Donations - Community Center	450.00	702.40	6,506.00	0.00	(6,506.00)	100.00	
TOTAL Revenues		3,149.00	3,544.40	88,024.59	111,414.00	23,389.41	79.01	
Expenditures								
000-35	STATE GRANTS	94.89	76.28	1,741.29	0.00	(1,741.29)	100.00	
000-53		796.75	324.09	8,195.28	16,284.00	8,088.72	50.33	
541-53		155.94	614.00	3,057.43	5,398.00	2,340.57	56.64	
542-53		1,920.27	2,092.94	12,367.02	18,329.00	5,961.98	67.47	
543-53		1,312.42	1,558.68	32,695.91	42,741.00	10,045.09	76.50	
544-53		0.00	0.00	1,469.74	2,160.00	690.26	68.04	

REVENUE AND EXPENDITURE REPORT

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GL NUMBER	DESCRIPTION	ACTIVITY FOR		YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
		10/31/2013	10/31/2014				
545-53		1,470.41	1,044.98	8,519.24	18,726.00	10,206.76	45.49
546-53		0.00	(8.48)	1,571.91	3,986.00	2,414.09	39.44
547-53	Community Center	0.00	53.29	265.98	0.00	(265.98)	100.00
TOTAL Expenditures		5,750.68	5,755.78	69,883.80	107,624.00	37,740.20	64.93

Fund 153 - Recreation Program Fund:							
TOTAL REVENUES		3,149.00	3,544.40	88,024.59	111,414.00	23,389.41	79.01
TOTAL EXPENDITURES		5,750.68	5,755.78	69,883.80	107,624.00	37,740.20	64.93
NET OF REVENUES & EXPENDITURES		(2,601.68)	(2,211.38)	18,140.79	3,790.00	(14,350.79)	478.65

REVENUE AND EXPENDITURE REPORT

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GL NUMBER	DESCRIPTION	ACTIVITY FOR		YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
		10/31/2013	10/31/2014				
Fund 154 - 4th of July Fund							
Revenues							
154-000-67-4-41-10	4th of July Sales	0.00	0.00	7,398.20	8,800.00	1,401.80	84.07
154-000-67-4-41-20	Raffle Ticket Sales	0.00	0.00	2,170.00	2,500.00	330.00	86.80
154-000-67-4-41-30	Bingo Card Sales	0.00	0.00	1,273.30	0.00	(1,273.30)	100.00
154-000-81-4-00-10	Investment Interest	67.00	45.00	189.00	0.00	(189.00)	100.00
154-000-82-4-00-50	Miscellaneous Revenue	0.00	0.00	0.00	450.00	450.00	0.00
154-000-85-4-54-10	Donations - 4th of July	0.00	16,000.00	28,146.29	29,000.00	853.71	97.06
TOTAL Revenues		67.00	16,045.00	39,176.79	40,750.00	1,573.21	96.14
Expenditures							
000-53		0.00	0.00	33,734.78	38,525.00	4,790.22	87.57
TOTAL Expenditures		0.00	0.00	33,734.78	38,525.00	4,790.22	87.57
Fund 154 - 4th of July Fund:							
TOTAL REVENUES		67.00	16,045.00	39,176.79	40,750.00	1,573.21	96.14
TOTAL EXPENDITURES		0.00	0.00	33,734.78	38,525.00	4,790.22	87.57
NET OF REVENUES & EXPENDITURES		67.00	16,045.00	5,442.01	2,225.00	(3,217.01)	244.58

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 170 - BD Business Park Street Light Fund							
Revenues							
170-000-24-4-00-10	Street Lighting	0.00	0.00	6,721.99	6,722.00	0.01	100.00
170-000-81-4-00-10	Investment Interest	99.00	78.00	288.00	100.00	(188.00)	288.00
TOTAL Revenues		99.00	78.00	7,009.99	6,822.00	(187.99)	102.76
Expenditures							
000-34	STATE SHARED REVENUE	456.45	229.97	2,616.87	6,721.99	4,105.12	38.93
TOTAL Expenditures		456.45	229.97	2,616.87	6,721.99	4,105.12	38.93
Fund 170 - BD Business Park Street Light Fund:							
TOTAL REVENUES		99.00	78.00	7,009.99	6,822.00	(187.99)	102.76
TOTAL EXPENDITURES		456.45	229.97	2,616.87	6,721.99	4,105.12	38.93
NET OF REVENUES & EXPENDITURES		(357.45)	(151.97)	4,393.12	100.01	(4,293.11)	4,392.68

REVENUE AND EXPENDITURE REPORT

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 171 - Kildeer Court Street Lighting Fund							
Revenues							
171-000-24-4-00-10	Street Lighting	0.00	0.00	3,710.18	3,710.18	0.00	100.00
171-000-81-4-00-10	Investment Interest	149.00	116.00	427.00	150.00	(277.00)	284.67
TOTAL Revenues		149.00	116.00	4,137.18	3,860.18	(277.00)	107.18
Expenditures							
000-34	STATE SHARED REVENUE	96.63	55.40	1,051.72	3,710.18	2,658.46	28.35
TOTAL Expenditures		96.63	55.40	1,051.72	3,710.18	2,658.46	28.35
Fund 171 - Kildeer Court Street Lighting Fund:							
TOTAL REVENUES		149.00	116.00	4,137.18	3,860.18	(277.00)	107.18
TOTAL EXPENDITURES		96.63	55.40	1,051.72	3,710.18	2,658.46	28.35
NET OF REVENUES & EXPENDITURES		52.37	60.60	3,085.46	150.00	(2,935.46)	2,056.97

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 172 - Opus North Street Lighting Fund							
Revenues							
172-000-24-4-00-10	Street Lighting	0.00	0.00	3,178.37	3,178.38	0.01	100.00
172-000-81-4-00-10	Investment Interest	70.00	55.00	200.00	75.00	(125.00)	266.67
TOTAL Revenues		70.00	55.00	3,378.37	3,253.38	(124.99)	103.84
Expenditures							
000-34	STATE SHARED REVENUE	217.78	100.65	1,504.76	3,178.38	1,673.62	47.34
TOTAL Expenditures		217.78	100.65	1,504.76	3,178.38	1,673.62	47.34
Fund 172 - Opus North Street Lighting Fund:							
TOTAL REVENUES		70.00	55.00	3,378.37	3,253.38	(124.99)	103.84
TOTAL EXPENDITURES		217.78	100.65	1,504.76	3,178.38	1,673.62	47.34
NET OF REVENUES & EXPENDITURES		(147.78)	(45.65)	1,873.61	75.00	(1,798.61)	2,498.15

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 173 - Park Plaza Street Lighting Fund							
Revenues							
173-000-24-4-00-10	Street Lighting	0.00	0.00	16,156.89	16,155.20	(1.69)	100.01
173-000-81-4-00-10	Investment Interest	56.00	44.00	177.00	50.00	(127.00)	354.00
TOTAL Revenues		56.00	44.00	16,333.89	16,205.20	(128.69)	100.79
Expenditures							
000-34	STATE SHARED REVENUE	2,120.08	1,089.35	9,237.61	16,155.20	6,917.59	57.18
TOTAL Expenditures		2,120.08	1,089.35	9,237.61	16,155.20	6,917.59	57.18
Fund 173 - Park Plaza Street Lighting Fund:							
TOTAL REVENUES		56.00	44.00	16,333.89	16,205.20	(128.69)	100.79
TOTAL EXPENDITURES		2,120.08	1,089.35	9,237.61	16,155.20	6,917.59	57.18
NET OF REVENUES & EXPENDITURES		(2,064.08)	(1,045.35)	7,096.28	50.00	(7,046.28)	14,192.56

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 174 - North Arbon Drive Street Lighting Fund							
Revenues							
174-000-24-4-00-10	Street Lighting	0.00	0.00	4,032.78	4,032.79	0.01	100.00
174-000-81-4-00-10	Investment Interest	82.00	64.00	236.00	0.00	(236.00)	100.00
TOTAL Revenues		82.00	64.00	4,268.78	4,032.79	(235.99)	105.85
Expenditures							
000-34	STATE SHARED REVENUE	326.33	173.45	2,019.25	4,032.79	2,013.54	50.07
TOTAL Expenditures		326.33	173.45	2,019.25	4,032.79	2,013.54	50.07
Fund 174 - North Arbon Drive Street Lighting Fund:							
TOTAL REVENUES		82.00	64.00	4,268.78	4,032.79	(235.99)	105.85
TOTAL EXPENDITURES		326.33	173.45	2,019.25	4,032.79	2,013.54	50.07
NET OF REVENUES & EXPENDITURES		(244.33)	(109.45)	2,249.53	0.00	(2,249.53)	100.00

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 175 - BD Corporate Park Street Lighting Fund							
Revenues							
175-000-24-4-00-10	Street Lighting	0.00	0.00	2,844.27	2,844.26	(0.01)	100.00
175-000-81-4-00-10	Investment Interest	31.00	25.00	93.00	35.00	(58.00)	265.71
TOTAL Revenues		31.00	25.00	2,937.27	2,879.26	(58.01)	102.01
Expenditures							
000-34	STATE SHARED REVENUE	138.97	67.33	1,117.68	2,844.26	1,726.58	39.30
TOTAL Expenditures		138.97	67.33	1,117.68	2,844.26	1,726.58	39.30
Fund 175 - BD Corporate Park Street Lighting Fund:							
TOTAL REVENUES		31.00	25.00	2,937.27	2,879.26	(58.01)	102.01
TOTAL EXPENDITURES		138.97	67.33	1,117.68	2,844.26	1,726.58	39.30
NET OF REVENUES & EXPENDITURES		(107.97)	(42.33)	1,819.59	35.00	(1,784.59)	5,198.83

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 180 - Strehlow Donation Fund							
Expenditures							
000-51	DUE FROM OTHER FUNDS	0.00	209.19	3,267.20	0.00	(3,267.20)	100.00
000-52		0.00	0.00	1,090.00	0.00	(1,090.00)	100.00
TOTAL Expenditures		0.00	209.19	4,357.20	0.00	(4,357.20)	100.00
Fund 180 - Strehlow Donation Fund:							
TOTAL REVENUES		0.00	0.00	0.00	0.00	0.00	0.00
TOTAL EXPENDITURES		0.00	209.19	4,357.20	0.00	(4,357.20)	100.00
NET OF REVENUES & EXPENDITURES		0.00	(209.19)	(4,357.20)	0.00	4,357.20	100.00

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 185 - BROWN DEER FARMERS MARKET							
Revenues							
185-000-65-4-20-50	Stall Rental Fee	0.00	125.00	5,685.00	0.00	(5,685.00)	100.00
185-000-85-4-10-10	Donation Revenue	0.00	0.00	13,272.77	0.00	(13,272.77)	100.00
TOTAL Revenues		0.00	125.00	18,957.77	0.00	(18,957.77)	100.00
Expenditures							
000-41	LICENSES & PERMITS	0.00	565.00	3,428.90	0.00	(3,428.90)	100.00
TOTAL Expenditures		0.00	565.00	3,428.90	0.00	(3,428.90)	100.00
Fund 185 - BROWN DEER FARMERS MARKET:							
TOTAL REVENUES		0.00	125.00	18,957.77	0.00	(18,957.77)	100.00
TOTAL EXPENDITURES		0.00	565.00	3,428.90	0.00	(3,428.90)	100.00
NET OF REVENUES & EXPENDITURES		0.00	(440.00)	15,528.87	0.00	(15,528.87)	100.00

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 186 - COMMUNITY VIBES							
Revenues							
186-000-85-4-10-10	Donations	0.00	0.00	4,803.78	0.00	(4,803.78)	100.00
TOTAL Revenues		0.00	0.00	4,803.78	0.00	(4,803.78)	100.00
Expenditures							
000-53		0.00	0.00	2,319.00	0.00	(2,319.00)	100.00
TOTAL Expenditures		0.00	0.00	2,319.00	0.00	(2,319.00)	100.00
Fund 186 - COMMUNITY VIBES:							
TOTAL REVENUES		0.00	0.00	4,803.78	0.00	(4,803.78)	100.00
TOTAL EXPENDITURES		0.00	0.00	2,319.00	0.00	(2,319.00)	100.00
NET OF REVENUES & EXPENDITURES		0.00	0.00	2,484.78	0.00	(2,484.78)	100.00

REVENUE AND EXPENDITURE REPORT

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 210 - Debt Service Fund							
Revenues							
210-000-11-4-00-10	General Property Taxes	0.00	0.00	813,655.01	813,655.00	(0.01)	100.00
210-000-81-4-00-10	Investment Interest	145.00	111.00	715.00	300.00	(415.00)	238.33
TOTAL Revenues		145.00	111.00	814,370.01	813,955.00	(415.01)	100.05
Expenditures							
000-81	INTEREST INCOME	0.00	0.00	659,775.09	659,775.00	(0.09)	100.00
000-82	MISCELLANEOUS REVENUE	0.00	0.00	153,879.72	153,880.00	0.28	100.00
TOTAL Expenditures		0.00	0.00	813,654.81	813,655.00	0.19	100.00
Fund 210 - Debt Service Fund:							
TOTAL REVENUES		145.00	111.00	814,370.01	813,955.00	(415.01)	100.05
TOTAL EXPENDITURES		0.00	0.00	813,654.81	813,655.00	0.19	100.00
NET OF REVENUES & EXPENDITURES		145.00	111.00	715.20	300.00	(415.20)	238.40

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 320 - Capital Improvement Project Fund							
Revenues							
320-000-11-4-00-10	General Property Taxes	0.00	0.00	371,999.99	372,000.00	0.01	100.00
320-000-35-4-00-10	State Grant Revenue	10,500.00	12,000.00	29,261.00	0.00	(29,261.00)	100.00
320-000-35-4-30-30	Other Aids	9,155.00	0.00	0.00	0.00	0.00	0.00
320-000-73-4-20-40	Other Municipalities	0.00	0.00	0.00	12,000.00	12,000.00	0.00
320-000-81-4-00-10	Investment Interest	1,006.00	3,643.00	6,230.99	5,000.00	(1,230.99)	124.62
320-000-85-4-60-10	Donations - Beautification	0.00	0.00	400.00	0.00	(400.00)	100.00
320-000-85-4-60-20	Donations-Other	0.00	0.00	40,000.00	0.00	(40,000.00)	100.00
320-000-91-4-00-10	Proceeds Long-Term Debt	0.00	2,025,000.00	2,025,000.00	1,600,000.00	(425,000.00)	126.56
320-000-91-4-00-30	Debt Funding Credit	0.00	9,854.32	20,015.32	0.00	(20,015.32)	100.00
320-000-91-4-00-60	Premium on debt issuance	0.00	39,117.01	39,117.01	0.00	(39,117.01)	100.00
TOTAL Revenues		20,661.00	2,089,614.33	2,532,024.31	1,989,000.00	(543,024.31)	127.30
Expenditures							
000-71		16,781.44	6,993.00	65,444.98	130,700.00	65,255.02	50.07
000-72		105,929.24	(156,113.21)	411,257.73	462,052.00	50,794.27	89.01
000-73	INTERGOVERNMENTAL CHARGES	624,866.19	107,792.44	336,845.11	1,728,500.00	1,391,654.89	19.49
000-76		0.00	29,500.00	83,928.71	135,000.00	51,071.29	62.17
000-77		0.00	3,835.29	16,162.20	59,200.00	43,037.80	27.30
TOTAL Expenditures		747,576.87	(7,992.48)	913,638.73	2,515,452.00	1,601,813.27	36.32
Fund 320 - Capital Improvement Project Fund:							
TOTAL REVENUES		20,661.00	2,089,614.33	2,532,024.31	1,989,000.00	(543,024.31)	127.30

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
TOTAL EXPENDITURES		747,576.87	(7,992.48)	913,638.73	2,515,452.00	1,601,813.27	36.32
NET OF REVENUES & EXPENDITURES		(726,915.87)	2,097,606.81	1,618,385.58	(526,452.00)	(2,144,837.58)	307.41

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 350 - TIF #2							
Revenues							
350-000-11-4-00-10	General Property Taxes	0.00	0.00	835,983.66	840,224.00	4,240.34	99.50
350-000-34-4-00-30	Computer Exemptions	0.00	0.00	1,671.00	600.00	(1,071.00)	278.50
350-000-81-4-00-10	Investment Interest	518.00	624.00	3,019.00	6,000.00	2,981.00	50.32
TOTAL Revenues		518.00	624.00	840,673.66	846,824.00	6,150.34	99.27
Expenditures							
000-67	PARKS & CULTURE/RECREATION	5,893.00	0.00	145,290.50	134,120.00	(11,170.50)	108.33
000-81	INTEREST INCOME	0.00	0.00	385,000.00	385,000.00	0.00	100.00
000-82	MISCELLANEOUS REVENUE	0.00	0.00	174,557.00	174,558.00	1.00	100.00
TOTAL Expenditures		5,893.00	0.00	704,847.50	693,678.00	(11,169.50)	101.61
Fund 350 - TIF #2:							
TOTAL REVENUES		518.00	624.00	840,673.66	846,824.00	6,150.34	99.27
TOTAL EXPENDITURES		5,893.00	0.00	704,847.50	693,678.00	(11,169.50)	101.61
NET OF REVENUES & EXPENDITURES		(5,375.00)	624.00	135,826.16	153,146.00	17,319.84	88.69

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 353 - TIF #3							
Revenues							
353-000-11-4-00-10	General Property Taxes	0.00	0.00	481,850.12	484,294.00	2,443.88	99.50
353-000-34-4-00-30	Computer Exemptions	0.00	0.00	1,674.00	2,320.00	646.00	72.16
353-000-81-4-00-10	Investment Interest	317.00	2,596.00	9,112.86	500.00	(8,612.86)	1,822.57
TOTAL Revenues		317.00	2,596.00	492,636.98	487,114.00	(5,522.98)	101.13
Expenditures							
000-67	PARKS & CULTURE/RECREATION	8,748.50	11,235.00	147,673.50	108,392.00	(39,281.50)	136.24
000-81	INTEREST INCOME	0.00	0.00	220,000.00	220,000.00	0.00	100.00
000-82	MISCELLANEOUS REVENUE	0.00	0.00	93,921.00	93,923.00	2.00	100.00
TOTAL Expenditures		8,748.50	11,235.00	461,594.50	422,315.00	(39,279.50)	109.30
Fund 353 - TIF #3:							
TOTAL REVENUES		317.00	2,596.00	492,636.98	487,114.00	(5,522.98)	101.13
TOTAL EXPENDITURES		8,748.50	11,235.00	461,594.50	422,315.00	(39,279.50)	109.30
NET OF REVENUES & EXPENDITURES		(8,431.50)	(8,639.00)	31,042.48	64,799.00	33,756.52	47.91

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GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 354 - TIF #4							
Revenues							
354-000-11-4-00-10	General Property Taxes	0.00	0.00	87,282.38	87,724.00	441.62	99.50
354-000-34-4-00-30	Computer Exemptions	0.00	0.00	2,725.00	1,637.00	(1,088.00)	166.46
354-000-35-4-00-10	State Grants	0.00	(31,911.23)	588,338.75	0.00	(588,338.75)	100.00
354-000-81-4-00-10	Investment Interest	4,275.00	0.00	(488.38)	2,000.00	2,488.38	(24.42)
354-000-85-4-10-10	Donations	0.00	0.00	3,750.00	0.00	(3,750.00)	100.00
354-000-91-4-00-20	Debt Funding Credit	0.00	26,791.44	54,416.65	60,000.00	5,583.35	90.69
TOTAL Revenues		4,275.00	(5,119.79)	736,024.40	151,361.00	(584,663.40)	486.27
Expenditures							
000-67	PARKS & CULTURE/RECREATION	3,084.00	0.00	524,332.50	186,000.00	(338,332.50)	281.90
000-81	INTEREST INCOME	0.00	0.00	248,739.00	248,739.00	0.00	100.00
000-82	MISCELLANEOUS REVENUE	0.00	0.00	190,461.00	190,461.00	0.00	100.00
TOTAL Expenditures		3,084.00	0.00	963,532.50	625,200.00	(338,332.50)	154.12
Fund 354 - TIF #4:							
TOTAL REVENUES		4,275.00	(5,119.79)	736,024.40	151,361.00	(584,663.40)	486.27
TOTAL EXPENDITURES		3,084.00	0.00	963,532.50	625,200.00	(338,332.50)	154.12
NET OF REVENUES & EXPENDITURES		1,191.00	(5,119.79)	(227,508.10)	(473,839.00)	(246,330.90)	48.01

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GL NUMBER	DESCRIPTION	ACTIVITY FOR		YTD BALANCE	2014		AVAILABLE	% BDGT
		10/31/2013	10/31/2014		BUDGET	BALANCE		
Fund 600 - Water								
Revenues								
600-000-64-4-50-10	Metered Sales-Residential	0.00	0.00	480,666.69	684,000.00	203,333.31	70.27	
600-000-64-4-50-11	Metered Sales-Commercial	0.00	0.00	151,673.83	211,000.00	59,326.17	71.88	
600-000-64-4-50-12	Metered Sales-Bulk	1,728.20	0.00	4,736.81	5,000.00	263.19	94.74	
600-000-64-4-50-13	Metered Sales-Industrial	0.00	0.00	72,235.68	7,000.00	(65,235.68)	1,031.94	
600-000-64-4-50-14	Multi-Family Residential Custome	0.00	0.00	166,894.23	210,000.00	43,105.77	79.47	
600-000-64-4-50-20	Private Fire Protection	0.00	0.00	36,956.40	50,000.00	13,043.60	73.91	
600-000-64-4-50-30	Public Fire Protection	0.00	0.00	201,474.60	295,000.00	93,525.40	68.30	
600-000-64-4-50-40	Sales to Public Authorities	2,544.81	(30.00)	17,727.70	21,000.00	3,272.30	84.42	
600-000-81-4-00-10	Interest & Dividend Income	4,800.04	3,407.77	9,842.09	500.00	(9,342.09)	1,968.42	
600-000-81-4-00-30	Forfeited Discounts/Penalties	2,427.32	2,560.14	9,026.56	15,000.00	5,973.44	60.18	
600-000-82-4-00-10	Rent Income	0.00	0.00	93,205.41	122,000.00	28,794.59	76.40	
600-000-82-4-00-50	Miscellaneous Service Revenue	(1.00)	0.00	3,475.21	11,000.00	7,524.79	31.59	
600-000-83-4-00-10	Amortization of Debt Premium	0.00	0.00	479.99	0.00	(479.99)	100.00	
TOTAL Revenues		11,499.37	5,937.91	1,248,395.20	1,631,500.00	383,104.80	76.52	
Expenditures								
000-37	Admin & General Expense	157.96	890.94	114,134.49	47,189.00	(66,945.49)	241.87	
000-87	Admin & General Expense	257.93	176.59	3,256.57	0.00	(3,256.57)	100.00	
611-37	Source of Supply Expense	62,106.35	63,870.62	512,479.44	746,000.00	233,520.56	68.70	
612-37	Pumping Expense	845.13	344.08	7,563.68	13,500.00	5,936.32	56.03	
613-37	Water Treatment Expense	332.50	0.00	4,762.16	15,500.00	10,737.84	30.72	
614-37	Trans & Distribution Expense	19,593.16	15,828.47	239,860.97	210,000.00	(29,860.97)	114.22	

REVENUE AND EXPENDITURE REPORT

PERIOD ENDING 10/31/2014

% Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR		YTD BALANCE	2014	AVAILABLE	% BDGT
		10/31/2013	10/31/2014				
614-84	Admin & General Expense	311.22	27.10	781.14	0.00	(781.14)	100.00
616-37	Customer Account Expense	6,565.34	3,220.23	33,422.23	32,400.00	(1,022.23)	103.16
620-37	Admin & General Expense	4,694.78	5,217.06	92,646.64	127,500.00	34,853.36	72.66
621-37	Depreciation Expense	0.00	0.00	96,767.02	145,000.00	48,232.98	66.74
623-37	Other Expense	1,806.18	0.00	214,751.82	275,000.00	60,248.18	78.09
625-37		0.00	0.00	(40,284.48)	0.00	40,284.48	100.00
TOTAL Expenditures		96,670.55	89,575.09	1,280,141.68	1,612,089.00	331,947.32	79.41

Fund 600 - Water:							
TOTAL REVENUES		11,499.37	5,937.91	1,248,395.20	1,631,500.00	383,104.80	76.52
TOTAL EXPENDITURES		96,670.55	89,575.09	1,280,141.68	1,612,089.00	331,947.32	79.41
NET OF REVENUES & EXPENDITURES		(85,171.18)	(83,637.18)	(31,746.48)	19,411.00	51,157.48	163.55

REVENUE AND EXPENDITURE REPORT

PERIOD ENDING 10/31/2014

% Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 610 - Storm Water							
Revenues							
610-000-49-4-30-10	Fees & Permits	140.00	0.00	1,765.00	175.00	(1,590.00)	1,008.57
610-000-64-4-10-10	Storm Water Charges	0.00	0.00	651,658.72	864,000.00	212,341.28	75.42
610-000-64-4-10-20	Culvert/Driveway Replacements	0.00	0.00	(387.84)	1,000.00	1,387.84	(38.78)
610-000-81-4-00-10	Interest Income	1,248.00	2,649.00	4,003.32	6,500.00	2,496.68	61.59
610-000-81-4-00-40	Late Penalties	1,248.68	1,258.41	5,136.20	5,000.00	(136.20)	102.72
610-000-82-4-00-50	Miscellaneous Revenue	0.00	0.00	1,000.00	0.00	(1,000.00)	100.00
610-000-82-4-00-60	Gain/Loss on Disposal of Assets	0.00	0.00	2,750.00	0.00	(2,750.00)	100.00
TOTAL Revenues		2,636.68	3,907.41	665,925.40	876,675.00	210,749.60	75.96
Expenditures							
000-36		44,556.63	289,711.69	636,510.40	839,546.74	203,036.34	75.82
TOTAL Expenditures		44,556.63	289,711.69	636,510.40	839,546.74	203,036.34	75.82
Fund 610 - Storm Water:							
TOTAL REVENUES		2,636.68	3,907.41	665,925.40	876,675.00	210,749.60	75.96
TOTAL EXPENDITURES		44,556.63	289,711.69	636,510.40	839,546.74	203,036.34	75.82
NET OF REVENUES & EXPENDITURES		(41,919.95)	(285,804.28)	29,415.00	37,128.26	7,713.26	79.23

REVENUE AND EXPENDITURE REPORT

PERIOD ENDING 10/31/2014

% Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
Fund 630 - Sewer							
Revenues							
630-000-64-4-10-10	Volumetric Charges	0.00	0.00	410,438.88	486,528.00	76,089.12	84.36
630-000-64-4-10-15	Connection Charges	0.00	0.00	159,257.02	212,520.00	53,262.98	74.94
630-000-64-4-10-20	Household Hazardous Waste	0.00	0.00	0.00	13,070.93	13,070.93	0.00
630-000-64-4-10-25	MMSD Charges	0.00	0.00	535,876.81	696,736.34	160,859.53	76.91
630-000-81-4-00-10	Investment Interest	2,474.54	1,303.84	4,433.14	7,000.00	2,566.86	63.33
630-000-81-4-00-40	Interest-Delinquent Accounts	2,314.85	2,493.06	9,544.69	15,000.00	5,455.31	63.63
630-000-82-4-00-60	Gain/Loss on Disposal of Asset	3,502.00	0.00	0.00	0.00	0.00	0.00
TOTAL Revenues		8,291.39	3,796.90	1,119,550.54	1,430,855.27	311,304.73	78.24
Expenditures							
000-36		8,643.83	212,349.64	1,261,690.88	1,427,226.15	165,535.27	88.40
TOTAL Expenditures		8,643.83	212,349.64	1,261,690.88	1,427,226.15	165,535.27	88.40
Fund 630 - Sewer:							
TOTAL REVENUES		8,291.39	3,796.90	1,119,550.54	1,430,855.27	311,304.73	78.24
TOTAL EXPENDITURES		8,643.83	212,349.64	1,261,690.88	1,427,226.15	165,535.27	88.40
NET OF REVENUES & EXPENDITURES		(352.44)	(208,552.74)	(142,140.34)	3,629.12	145,769.46	3,916.66
TOTAL REVENUES - ALL FUNDS							
		110,934.04	2,207,007.39	10,337,645.79	10,143,207.08	(194,438.71)	101.92
TOTAL EXPENDITURES - ALL FUNDS							
		1,096,761.64	751,871.30	8,491,398.54	10,803,323.60	2,311,925.06	78.60

REVENUE AND EXPENDITURE REPORT

PERIOD ENDING 10/31/2014

% Fiscal Year Completed: 83.29

GL NUMBER	DESCRIPTION	ACTIVITY FOR 10/31/2013	ACTIVITY FOR 10/31/2014	YTD BALANCE 10/31/2014	2014 BUDGET	AVAILABLE BALANCE	% BDGT USED
	NET OF REVENUES & EXPENDITURES	(985,827.60)	1,455,136.09	1,846,247.25	(660,116.52)	(2,506,363.77)	279.69

Village of Brown Deer

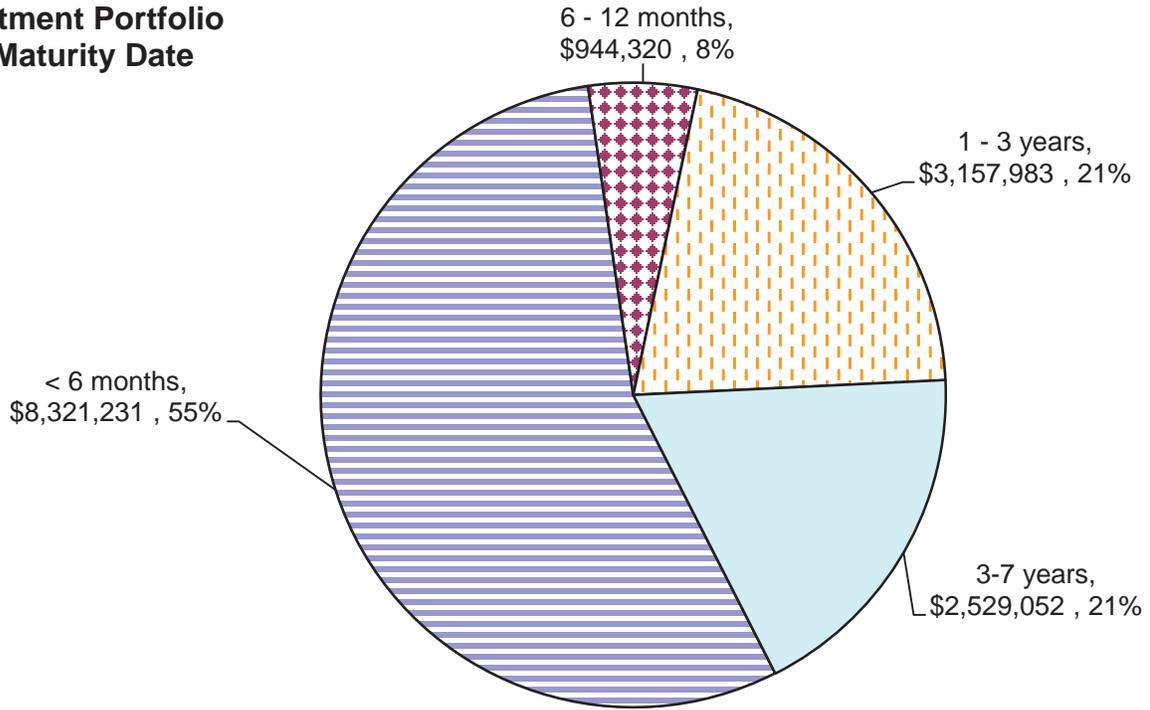
Investment Composition and Maturities - Bank Balances
As of October 31, 2014

Investment	Coupon	Due date	Maturity				Total
			< 6 months	6 - 12 months	1 - 3 years	3 - 7 years	
US Bank Checking			\$ 5,306,119	\$ -	\$ -	\$ -	5,306,119
LGIP			1,750,797	-	-	-	1,750,797
Banker's Bank - Community Investment Partners							
Pooled account - cash			102,185	-	-	-	102,185
CD's							
Ally Bank	0.80%	9/18/2015	-	29,049	-	-	29,049
American Express Centurion Ba	3.00%	12/23/2014	100,335	-	-	-	100,335
Bank Baroda NY CD	0.70%	1/19/2016	-	-	65,018	-	65,018
Bank Baroda NY CD	1.00%	12/27/2016	-	-	107,165	-	107,165
Barclays Bank (\$100k)	0.55%	4/15/2016	-	-	99,753	-	99,753
Beal BK USA	0.55%	6/17/2015	-	150,036	-	-	150,036
BLC Community Bank	0.50%	2/6/2015	248,000	-	-	-	248,000
BMW Bank North Amer Medium	1.10%	7/19/2016	-	-	105,360	-	105,360
BMW Bank North Amer Utah	0.80%	11/16/2015	-	-	105,164	-	105,164
Capital One Bank USA	0.95%	10/17/2016	-	-	94,771	-	94,771
Capital One Bank USA	1.45%	10/16/2017	-	-	154,405	-	154,405
Centrue Bk Streater III CD	3.00%	1/26/2015	100,572	-	-	-	100,572
Citibank	1.50%	6/27/2017	-	-	116,761	-	116,761
Compass Bank CD	0.75%	11/20/2015	-	-	95,126	-	95,126
Crescent Bank CD	0.90%	2/6/2017	-	-	100,176	-	100,176
Discover Bank	0.55%	3/6/2015	100,068	-	-	-	100,068
Discover Bank CD	1.35%	9/11/2017	-	-	99,457	-	99,457
DMB Community Bank	0.85%	7/19/2015	-	200,000	-	-	200,000
Enerbank CD	0.35%	5/29/2015	-	174,862	-	-	174,862
First Jackson Bank	2.80%	2/10/2015	100,685	-	-	-	100,685
Florida Bank Tampa	2.75%	2/17/2015	100,726	-	-	-	100,726
GE Capital Financial	1.35%	6/22/2016	-	-	68,486	-	68,486
GE Capital Financial Bank	1.55%	12/29/2014	133,215	-	-	-	133,215
GE Capital Financial Med Term	1.10%	10/25/2016	-	-	30,033	-	30,033
GE Capital Retail Bank	0.80%	9/28/2015	-	249,406	-	-	249,406
Goldman Sachs (\$132)	1.50%	12/29/2014	132,205	-	-	-	132,205
Goldman Sachs NY CD (\$45k)	0.65%	9/8/2015	-	45,023	-	-	45,023
Medallion Bank CD	1.00%	7/25/2016	-	-	125,441	-	125,441
Merrick Bank S Jordan UT	0.65%	6/30/2016	-	-	84,629	-	84,629
People's United Bank	0.90%	10/17/2016	-	-	59,844	-	59,844
Private Bank & Trust Co	1.19%	7/8/2016	-	-	200,000	-	200,000
Safra Nat'l Bank NY	0.75%	5/16/2016	-	-	40,087	-	40,087
Safra Nat'l Bank NY	0.65%	8/1/2016	-	-	210,559	-	210,559
Union Bank & Trust	0.45%	2/22/2016	-	-	240,000	-	240,000
Total Banker's Bank CD's			1,015,806	848,375	2,202,234	-	4,066,415
U.S. Agencies							
Cit Bank Salt Lake City CD	0.90%	4/24/2017	-	-	65,009	-	65,009
Comenity Cap BK Utah CD	1.05%	10/17/2017	-	-	90,853	-	90,853
DC Everest Area Sch Distr GO	2.25%	4/1/2018	-	-	-	25,603	25,603
Evansville WI Sch Distr GO Bon	5.00%	4/1/2016	-	-	106,324	-	106,324
Fed Farm CR Banks Cons	1.60%	9/5/2018	-	-	-	331,914	331,914
Fed Farm CR Banks Cons	1.68%	12/24/2018	-	-	-	243,986	243,986
FHLBC .95%	0.95%	1/22/2018	-	-	-	99,431	99,431
FHLBC .98%	0.98%	11/15/2017	-	-	-	99,139	99,139
FHLBC 1%	1.00%	1/30/2018	-	-	-	297,990	297,990
FHLBC 1.02%	1.02%	5/15/2017	-	-	185,050	-	185,050
FHLBC 1.1%	1.10%	2/20/2018	-	-	-	232,899	232,899
FHLBC 1.13%	1.13%	3/27/2018	-	-	-	541,120	541,120
FNMA .08%	0.80%	6/19/2017	-	-	98,989	-	98,989
FNMA 1%	1.00%	7/30/2018	-	-	-	591,702	591,702
FNMA 1.01%	1.01%	2/14/2018	-	-	-	198,598	198,598
FNMA 1.5%	1.50%	10/17/2019	-	-	-	40,087	40,087
Fond Du Lac School District GO	2.13%	4/1/2015	50,356	-	-	-	50,356
Fox Pt & Bayside JT School GO	3.00%	4/1/2015	20,225	-	-	-	20,225
Kimberly WI GO	3.00%	3/1/2015	50,451	-	-	-	50,451
Lake City Bank Certificate of De	0.55%	1/29/2016	-	-	122,017	-	122,017
Madison WI GO	5.00%	10/1/2017	-	-	27,879	-	27,879
Manitowoc WI GO	3.00%	2/1/2016	-	-	25,803	-	25,803
MMSD GO Bonds	5.50%	10/1/2015	-	-	36,694	-	36,694
Mukwonago School Distr	2.58%	4/1/2017	-	-	30,993	-	30,993
Racine County WI GO	1.49%	3/1/2018	-	-	-	49,952	49,952
Shorewood WI Sch District GO	2.00%	10/1/2016	-	-	92,357	-	92,357
South Milwaukee WI Sch Distr	5.75%	4/1/2017	-	-	21,304	-	21,304
Waukesha Cty WI Tech Coll GC	3.00%	4/1/2015	25,292	-	-	-	25,292
Waunakee Wis GO	4.00%	4/1/2016	-	-	52,477	-	52,477
Total Banker's Bank Agency Holdings			146,323	-	955,748	2,752,420	3,854,492
Total Banker's Bank holdings			1,264,315	848,375	3,157,983	2,752,420	8,023,093
Total Portfolio			\$ 8,321,231	\$ 848,375	\$ 3,157,983	\$ 2,752,420	\$ 15,080,010

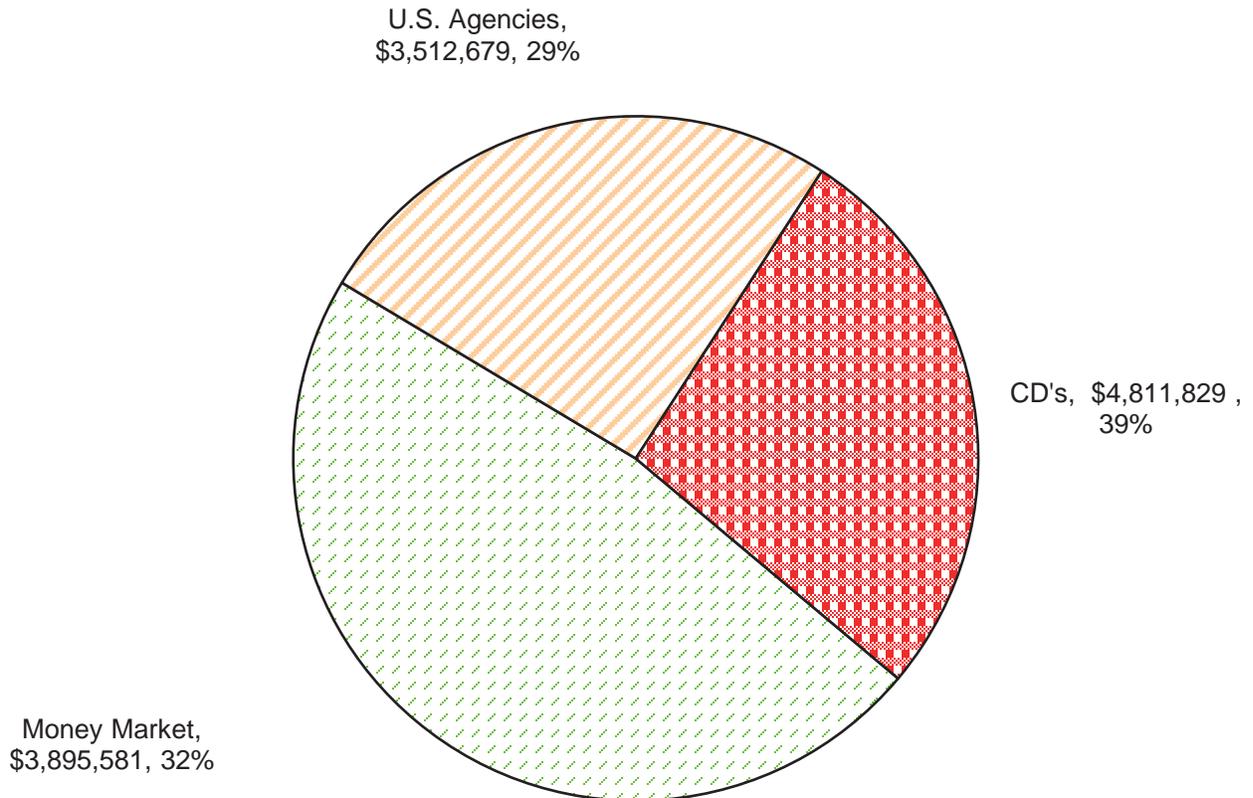
Village of Brown Deer

Summary of Cash and Investments by Maturity and Type
As of October 31, 2014

Investment Portfolio by Maturity Date



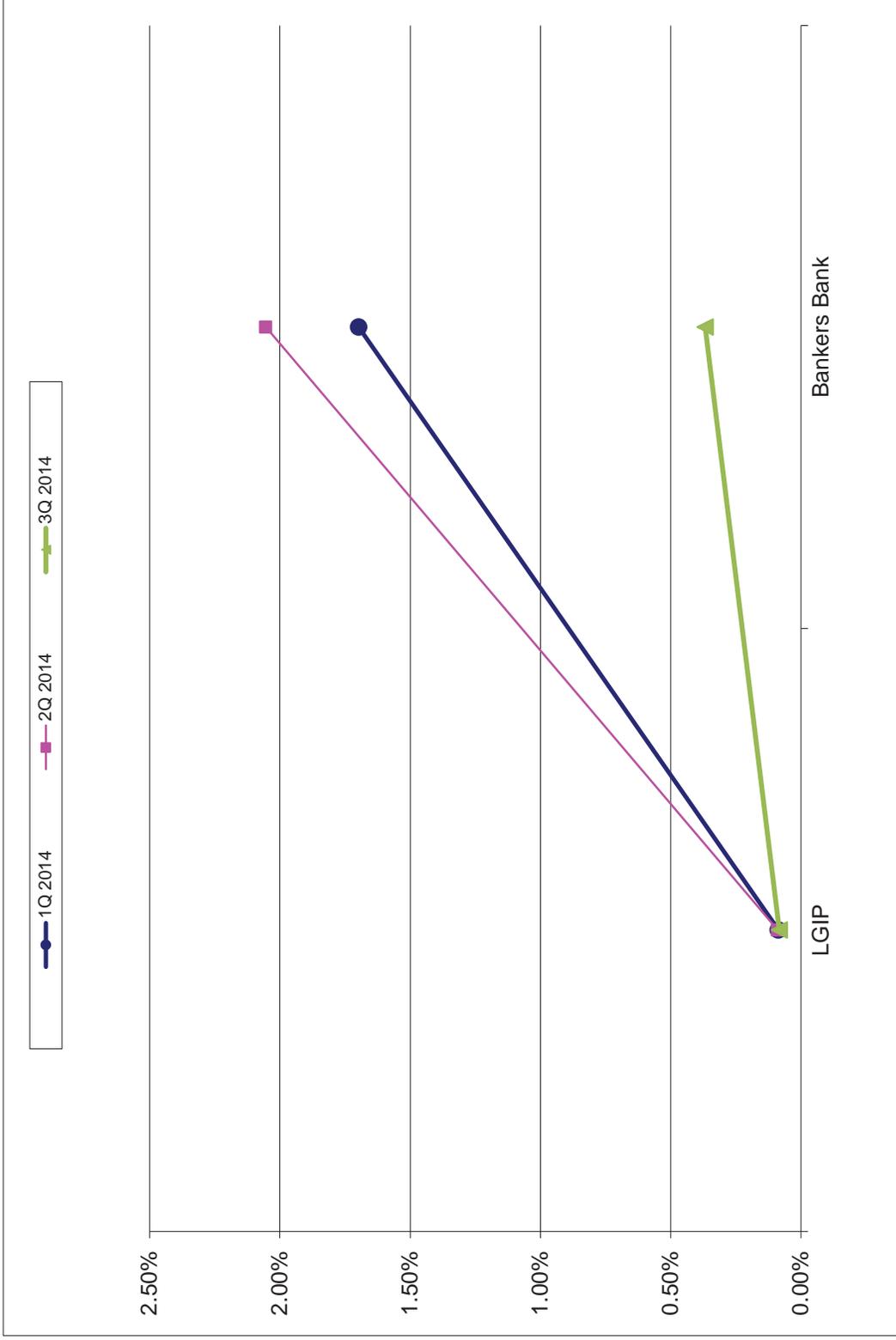
Summary of Investment Types



Village of Brown Deer
Investment Returns by Bank
As of October 31, 2014

Investment	2013										2014											
	Annualized Return Assets	Jan	Feb	Mar	Apr	May	June	July	August	September	Annualized Return Assets	Jan	Feb	Mar	Apr	May	June	July	August	September	Annualized Return Assets	
LGI	0.10%	85	80	124	151	143	151	195	281	204	0.00%	85	80	124	151	143	151	195	281	204	0.08%	
Banker's Bank	-0.03%	32,344	6,849	(4,106)	25,541	9,782	7,333	(3,327)	18,011	(6,420)	1.37%	32,344	6,849	(4,106)	25,541	9,782	7,333	(3,327)	18,011	(6,420)	1.37%	
Total portfolio	0.01%	32,429	6,929	(3,982)	25,691	9,915	7,484	(3,742)	18,292	(6,216)	1.15%	32,429	6,929	(3,982)	25,691	9,915	7,484	(3,742)	18,292	(6,216)	1.15%	
		ECM Balance	Interest Income	Realized Return	ECM Balance	Interest Income	Realized Return	ECM Balance	Interest Income	Realized Return	ECM Balance	Interest Income	Realized Return	ECM Balance	Interest Income	Realized Return	ECM Balance	Interest Income	Realized Return	ECM Balance	Interest Income	Realized Return
		1,324,852	1,319,566	2,620,881	2,620,829	2,620,881	2,621,132	5,546,036	3,140,218	2,643,521	8,281,212	8,279,883	10,189,452	10,326,253	8,315,186	8,322,519	8,334,882	8,334,882	10,877,994	10,877,994	8,328,472	8,328,472

Village of Brown Deer
Summary of Investments Returns
As of October 31, 2014





VILLAGE OF BROWN DEER

VOUCHER APPROVAL REGISTER

Finance & Public Works Committee	Date: December 3, 2014
Village Board of Trustees	Date: December 15, 2014
Submitted By: Susan Hudson; Treasurer / Comptroller	

Payments Presented For Ratification

Attached please find the voucher list for bills accrued November 7, 2014 thru November 21, 2014. This covers check numbers 78326 -78474.

The total amount of vouchers is \$ 872,321.48.

Vouchers held for approval (to be paid 12/16/2014) –

Below Please Find the Top Five Largest Expenditures in the Packet:

- | | |
|--|---------------|
| 1) Payne & Dolan – County Line Rd reconstruction | \$ 224,212.68 |
| 2) Payne & Dolan – W. Dean Rd reconstruction | \$ 179,363.11 |
| 3) R.A. Smith National – Darnel Ave. dye testing | \$ 75,610.00 |
| 4) Milwaukee Water Works-Oct Wholesale Water | \$ 52,907.78 |
| 5) Poblocki Paving Corp. – prep & pave driveway approaches | \$ 40,811.00 |

Below please find a list of the voided checks for this period and their amount

Account Structure:

xxx. Fund	yyy. Department
Fund number	Name
010	General
020	Donation
120	Police Asset Forfeiture
125	NSFD Asset Sale Fund
135	Recycling
140	NSHD
141	NSHD Grants
151	Library
152	Park and Pond
153	Recreation
154	4th of July
160	Village Grant Fund
170	BD Business Park Street Lighting
171	Kildeer Court Street Lighting
172	Opus North Street Lighting
173	Park Plaza Street Lighting
174	North Arbon Dr Street Lighting
175	BD Corp Park Street Lighting
176	BD Business Park Spec Assmt
190	NCCC
210	DS
320	Capital Improvement
325	Park Plaza CSM
330	Equipment Replacement
350	TIF #2
353	TIF #3
354	TIF #4
600	Water
610	Storm
630	Sewer
700	Liability Ins
800	Tax Agency
990	Cash Allocation

Account Structure

xxx yyy
Fund Department

Department Listing

1xx – General Government

- 110 Village Board
- 120 Court
- 130 Legal
- 140 Village Manager
- 141 Personnel
- 142 Elections
- 150 Administrative Services
- 151 Assessor
- 191 Other General Government
- 192 Information Technology
- 193 Intergovernmental
- 194 Historical Society
- 195 Post employment – General Government
- 199 Unclassified

2xx – Public Safety

- 210 Police
- 220 Fire

3xx – Public Works

- 135 Refuse/Recycling
- 310 Public works
- 311 Streets
- 312 Sidewalks
- 313 Winter Operations
- 317 Forestry
- 319 Municipal complex
- 360 Community development/engineering
- 361 Village Hall
- 362 Inspection

5xx – Park and Recreation

- 530 Park and Recreation

GL Number	GL Desc	Vendor	PAID	Invoice Description	Amount	Check #
Fund 010 General Fund						
Dept 000-12 TAXES						
010-000-12-2-00-10	Accounts Payable-Other	APPLEBEE'S		RESTITUTION	8.00	78448
		Total For Dept 000-12 TA			8.00	
Dept 000-31 ACCOUNTS RECEIVALBE						
010-000-31-2-00-20	Deposits-Building Permit	TIM O'BRIEN HOMES		REFUND FEE	1,000.00	78469
		Total For Dept 000-31 AC			1,000.00	
Dept 000-33						
010-000-33-2-00-20	Bail Due Other Departmen	ELM GROVE POLICE DEPARTM		BAIL POSTED	253.20	78414
010-000-33-2-00-20	Bail Due Other Departmen	RACINE POLICE DEPT.		BAIL	304.20	78436
010-000-33-2-00-20	Bail Due Other Departmen	WAUKESHA COUNTY SHERIFF		BAIL	360.00	78443
010-000-33-2-00-40	Court Deposit Clearing	MILWAUKEE CO TREASURER		COUR FINANCIAL REPORT-OC	1,680.00	78372
010-000-33-2-00-40	Court Deposit Clearing	STATE OF WISCONSIN		COURT FINANCIAL REPORT-O	5,575.02	78387
010-000-33-2-00-40	Court Deposit Clearing	CRAWFORD, LAGERALD		OVERPAYMENT	144.20	78413
		Total For Dept 000-33			8,316.62	
Dept 000-42						
010-000-42-4-00-20	Dog/Cat Licenses	MILWAUKEE AREA DOMESTIC		DOG/CAT LICENSES	1.50	78428
		Total For Dept 000-42			1.50	
Dept 120-12 MUNICIPAL COURT						
010-120-12-5-26-25	Commitment Services	MILWAUKEE CO OFFICE OF T		BOARDING OF PRISONERS, C	464.00	78462
010-120-12-5-30-10	Office Supplies, Equip &	BUBRICKS COMPLETE OFFICE		TONER CARTRIDGE-MUNI COU	98.21	78410
		Total For Dept 120-12 MU			562.21	
Dept 130-13 LEGAL SERVICES						
010-130-13-5-21-10	Village Attorney Service	FUCHS & BOYLE SC		GENERAL LEGAL SERVICES-1	9,582.00	78353
010-130-13-5-21-20	Labor Legal Services	BUELOW VETTER BUIKEMA		2014 POLICE NEGOTIATIONS	3,498.00	78451
		Total For Dept 130-13 LE			13,080.00	
Dept 140-14 VILLAGE MANAGER						
010-140-14-5-30-40	Public Notices/Advertisi	JOURNAL SENTINEL		LEGAL NOTICE	381.60	78460
		Total For Dept 140-14 VI			381.60	
Dept 141-14 VILLAGE MNGER - PERSONNEL ADMINISTRATION						
010-141-14-5-20-25	Employment Services	ANDERSON MOVING & STORAG		MOVING EXPENSE-POLICE CH	5,221.81	78405
		Total For Dept 141-14 VI			5,221.81	
Dept 150-15 ADMINISTRATIVE SERVICES						
010-150-15-5-30-30	Service Fees	EHLERS INVESTMENT PARTNE		MONTHLY MGMT FEE	1,112.08	78348
		Total For Dept 150-15 AD			1,112.08	
Dept 151-15 ASSESSOR						
010-151-15-5-20-20	Professional Services	ASSOCIATED APPRAISAL CON		PROFESSIONAL SERVICES	2,273.24	78449
		Total For Dept 151-15 AS			2,273.24	
Dept 191-14 OTHER GENERAL GOVERNMENT						
010-191-14-5-20-41	BD magazine printing & p	CAPRILE, BARBARA G		DECEMBER OUR BROWN DEER	1,500.00	78341
010-191-14-5-24-10	Equipment Maintenance Se	RICOH USA INC		COPIER RENTAL-11/28/14 T	822.24	78466
010-191-14-5-30-10	Office Supplies, Equip &	STAPLES ADVANTAGE		TONER CARTRIDGE-COLOR PR	74.99	78386
010-191-14-5-30-10	Office Supplies, Equip &	CLEAR CUT PRINT SOLUTION		A/P LASER CHECKS, DELIVE	309.82	78411
010-191-14-5-30-10	Office Supplies, Equip &	ENVIRONMENTAL INNOVATION		4 REMAN TONER CARTRIDGES	199.80	78415
010-191-14-5-30-10	Office Supplies, Equip &	BUBRICKS COMPLETE OFFICE		PENS, INK CARTRIDGE FOR	58.78	78450
010-191-14-5-30-10	Office Supplies, Equip &	BUBRICKS COMPLETE OFFICE		BATTERIES, TAPE,MOISTENE	68.56	78450
010-191-14-5-30-15	Postage & Mailing	U.S. POSTAL SERVICE		POSTAGE FOR METER	1,500.00	78442
010-191-14-5-30-20	Communications	A T & T		LONG DISTANCE SERVICE	39.49	78403
010-191-14-5-30-20	Communications	AT & T		SERVICE	329.71	78406
010-191-14-5-30-20	Communications	CENTURY LINK		FAX LONG DISTANCE	1.84	78455
010-191-14-5-30-25	Communication-Internet S	TIME WARNER CABLE		OCT & NOV INTERENT	799.40	78392
		Total For Dept 191-14 OT			5,704.63	
Dept 195-28 Other General Government						
010-195-28-5-39-21	EMPLOYEE WELLNESS BENEFIT	KETTLE MORAIN YMCA		WELLNESS BENEFIT	20.00	78360
010-195-28-5-39-21	EMPLOYEE WELLNESS BENEFIT	KETTLE MORAIN YMCA		WELLNESS BENEFIT	20.00	78360

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GL Number	GL Desc	Vendor	Invoice Description	Amount	Check #
Fund 010 General Fund					
Dept 195-28 Other General Government					
010-195-28-5-39-21	EMPLOYEE WELLNESS BENEFIT	YMCA OF METRO MILWAUKEE	WELLNESS BENEFIT	70.00	78399
Total For Dept 195-28 Ot				110.00	
Dept 210-21 POLICE DEPARTMENT					
010-210-21-5-12-20	Uniform Allowance	LARK UNIFORM OUTFITTERS	UNIFORM ITEMS-HANSEN	230.85	78425
010-210-21-5-12-20	Uniform Allowance	LARK UNIFORM OUTFITTERS	UNIFORM ITEMS-KRAINER	325.00	78425
010-210-21-5-12-20	Uniform Allowance	CARVER, MICHAEL	UNIFORM EQUIPMENT - SHIR	36.77	78453
010-210-21-5-12-20	Uniform Allowance	KUEHNE, LUCAS	UNIFORM EQUIPMENT-GLOVES	41.99	78461
010-210-21-5-12-20	Uniform Allowance	ZEISE, JILL	UNIFORM EQUIPMENT-BOOTS/	163.58	78474
010-210-21-5-20-35	Technical Services	TASER INTERNATIONAL	TASERS & ACCESSORIES	4,961.25	78440
010-210-21-5-24-10	Equipment Maintenance Se	KUSTOM SIGNALS INC	RADAR BRACKET	31.64	78424
010-210-21-5-24-10	Equipment Maintenance Se	CENTRAL OFFICE SYSTEMS	COPIER SERVICE CONTRACT	132.47	78454
010-210-21-5-30-10	Office Supplies, Equip &	BATTERIES PLUS	AA BATTERIES	26.40	78334
010-210-21-5-30-10	Office Supplies, Equip &	BUBRICKS COMPLETE OFFICE	WALL CALENDARS, DESK PAD	20.88	78450
010-210-21-5-30-10	Office Supplies, Equip &	BUBRICKS COMPLETE OFFICE	CALENDARS	16.33	78450
010-210-21-5-30-30	Service Fees	TRANSUNION RISK & ALTERN	TLO CHARGES	12.00	78470
010-210-21-5-30-45	Photographic Supplies	ALPHA CARD	I.D. CARD MACHINE & SUPP	1,015.33	78447
010-210-21-5-34-35	Uniforms/Coveralls	LARK UNIFORM OUTFITTERS	INITIAL ISSUES ITEMS-KAS	452.80	78425
010-210-21-5-34-35	Uniforms/Coveralls	LARK UNIFORM OUTFITTERS	INITIAL UNIFORM ITEMS-BE	373.45	78425
010-210-21-5-34-35	Uniforms/Coveralls	LARK UNIFORM OUTFITTERS	INITIAL UNIFORM ITEMS-KA	94.80	78425
010-210-21-5-34-40	Employee Recognition	VILLAGE OF BROWN DEER	EE RECOGNITION, INVESTIG	82.49	78393
010-210-21-5-35-20	Vehicle Repair/Maint Sup	GENERAL COMMUNICATIONS I	CHIEF'S CAR EQUIPMENT &	2,309.50	78457
010-210-21-5-35-20	Vehicle Repair/Maint Sup	GOOD YEAR COMMERCIAL TIR	SQUAD SNOW TIRES	2,187.52	78458
010-210-21-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	DISC BRAKE PAD	95.50	78464
010-210-21-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	ROTOR-FORD EXPL 2013	319.78	78464
010-210-21-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	CREDIT-ROTOR	(159.89)	78464
010-210-21-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	BRAKE PADS, ROTOR	193.99	78464
010-210-21-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	DISC PADS	75.53	78464
010-210-21-5-35-20	Vehicle Repair/Maint Sup	SCRUB BROWN DEER LLC	SQUAD CAR WASHES	12.00	78467
010-210-21-5-35-20	Vehicle Repair/Maint Sup	SNAP-ON TOOLS	SCANNER UPGRADE	274.50	78468
010-210-21-5-39-30	Investigation Supplies	VILLAGE OF BROWN DEER	EE RECOGNITION, INVESTIG	12.61	78393
010-210-21-5-45-10	Professional Memberships	INTERNATIONAL CONFERENCE	ICPC MEMBERSHIP	125.00	78459
010-210-21-5-45-30	Professional Training	VILLAGE OF BROWN DEER	EE RECOGNITION, INVESTIG	25.03	78393
010-210-21-5-45-30	Professional Training	WI DEPT OF TRANSPORTATIO	TRACS TRAINING CONFERENC	35.00	78397
010-210-21-5-45-30	Professional Training	WCTC	FINANCIAL CRIMES SEMINAR	149.00	78444
Total For Dept 210-21 PO				13,673.10	
Dept 310-31 PUBLIC WORKS ADMINISTRATION					
010-310-31-5-12-20	Uniform Allowance	HY-TEST SAFETY SHOE SERV	SAFETY SHOES- R JOHNSON	141.99	78358
010-310-31-5-12-20	Uniform Allowance	HY-TEST SAFETY SHOE SERV	SAFETY SHOES-FROMM	145.99	78358
010-310-31-5-30-10	Office Supplies, Equip &	REGISTRATION FEE TRUST	CHARGE FOR ACCIDENT REPO	6.00	78381
010-310-31-5-30-20	Communications	AT & T	SERVICE	28.15	78406
Total For Dept 310-31 PU				322.13	
Dept 311-33 DPW STREETS/TRAFFIC OPERATIONS					
010-311-33-5-22-15	Street Lighting Elec Chr	WE ENERGIES	STREET LIGHTING, BD BUS	599.09	78395
010-311-33-5-23-20	Turf Maintenance	FOX SERVICES, LLC	OCT MOWING & LINE TRIMMI	930.34	78417
010-311-33-5-23-20	Turf Maintenance	FOX SERVICES, LLC	OCT MOWING & LINE TRIMMI	1,054.09	78417
010-311-33-5-23-20	Turf Maintenance	FOX SERVICES, LLC	OCT MOWING & LINE TRIMMI	852.36	78417
010-311-33-5-37-10	Operations Material & Su	RODRIGUEZ CONSTRUCTION C	PAVEMENT REPAIRS-DPW & V	2,677.50	78382
010-311-33-5-37-10	Operations Material & Su	RODRIGUEZ CONSTRUCTION C	PAVEMENT REPAIRS-DEERWOO	1,918.80	78382
010-311-33-5-37-10	Operations Material & Su	WAUKESHA LIME AND STONE	2.55 TONS COLD MIX	280.50	78472
010-311-33-5-37-15	Street Signs & Supplies	TAPCO	100 BRACKETS-SIGN MOUNTI	570.00	78390
010-311-33-5-37-15	Street Signs & Supplies	THE SHERWIN WILLIAMS COM	PAINT	87.00	78391
Total For Dept 311-33 DP				8,969.68	
Dept 313-33 DPW WINTER OPERATIONS					
010-313-33-5-35-30	Tools & Supplies	MENARDS - MILWAUKEE	TREATED 4 X 4 & 2 X 4	81.12	78369

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GL Number	GL Desc	Vendor	Invoice Description	Amount	Check #
Fund 010 General Fund					
Dept 313-33 DPW WINTER OPERATIONS					
010-313-33-5-35-30	Tools & Supplies	MENARDS - MILWAUKEE	LUMBER, BITS, DECK SCREW	178.05	78369
010-313-33-5-35-30	Tools & Supplies	MENARDS - MILWAUKEE	LUMBER-MAILBOX SETUPS	112.64	78369
Total For Dept 313-33 DP				371.81	
Dept 317-61 DPW FORESTRY OPERATIONS					
010-317-61-5-35-30	Tools & Supplies	EGELHOFF LAWN MOWER SERV	AUTO CUT	29.95	78347
010-317-61-5-35-30	Tools & Supplies	EGELHOFF LAWN MOWER SERV	OIL	37.90	78347
010-317-61-5-35-30	Tools & Supplies	EGELHOFF LAWN MOWER SERV	REPAIR KIT	10.00	78347
010-317-61-5-35-30	Tools & Supplies	GIELOW'S LAWN & GARDEN I	2 CYCLE FUEL LINE	14.94	78354
010-317-61-5-37-10	Operations Material & Su	BOY SCOUT TROOP 7	HOLIDAY WREATH ORDER	154.00	78337
010-317-61-5-37-10	Operations Material & Su	WAYSIDE NURSERIES INC	SERVICEBERRY TREE, ARBOR	178.00	78473
Total For Dept 317-61 DP				424.79	
Dept 319-16 DPW MUNICIPAL COMPLEX					
010-319-16-5-35-10	Building Supplies	MENARDS - MILWAUKEE	INDUSTRIAL FAN	39.99	78369
010-319-16-5-35-10	Building Supplies	NASSCO INC	4 CASES PAPER TOWELS	185.92	78374
010-319-16-5-35-45	Bldg Maint/Repair Suppli	MARTENS RELIABLE TRUE VA	SHOP SUPPLIES, BOLTS, DR	57.84	78368
Total For Dept 319-16 DP				283.75	
Dept 319-33 DPW MUNICIPAL COMPLEX					
010-319-33-5-34-10	Fuel, Oil & Lubricants	HERBST OIL INC	751.2 GALLONS DIESEL	2,521.02	78419
010-319-33-5-34-10	Fuel, Oil & Lubricants	HERBST OIL INC	548.6 GAL UNLEADED	1,544.85	78419
010-319-33-5-34-10	Fuel, Oil & Lubricants	HERBST OIL INC	CREDIT	(1,287.00)	78419
010-319-33-5-34-10	Fuel, Oil & Lubricants	PETRAS, ERIKA	FEB THRU OCTOBER 2014 MI	389.20	78465
010-319-33-5-34-30	Safety Supplies	LINCOLN CONTRACTORS	2 SAFETY VESTS, SAFETY G	38.87	78367
010-319-33-5-35-20	Vehicle Repair/Maint Sup	BOLDER GRAPHICS	TRUCK DECALS	240.00	78336
010-319-33-5-35-20	Vehicle Repair/Maint Sup	LAKESIDE INT'L TRUCKS IN	TUBE 1376	38.88	78361
010-319-33-5-35-20	Vehicle Repair/Maint Sup	LAKESIDE INT'L TRUCKS IN	PARTS AND REPAIRS 13	1,194.94	78361
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	VBELT, OIL & AIR FILTERS	90.85	78373
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	RELAY, VBELT, OIL FILTER	26.95	78373
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	OIL & AIR FILTERS	24.00	78373
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	CIRCUIT BOARD-1370	18.39	78373
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	AIR FILTER	58.92	78373
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	OIL & TRANSMISSIONS FILT	186.52	78373
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	INTERIOR DOOR HANDLE	20.79	78373
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	GREASE GUN	379.00	78373
010-319-33-5-35-20	Vehicle Repair/Maint Sup	NAPA FALLS AUTO PARTS &	FILTERS, WHL WEIGHTS, CO	428.61	78373
010-319-33-5-35-30	Tools & Supplies	FOX WELDING SUPPLY INC	CYLINDER RENTAL	15.60	78352
010-319-33-5-35-30	Tools & Supplies	FOX WELDING SUPPLY INC	CYLINDER RENTAL	16.12	78352
010-319-33-5-35-30	Tools & Supplies	FOX WELDING SUPPLY INC	CYLINDER RENTAL	16.12	78352
010-319-33-5-35-30	Tools & Supplies	LAWSON PRODUCTS INC	FITTING,BRAID HOSE, RIVE	407.93	78364
010-319-33-5-35-30	Tools & Supplies	LAWSON PRODUCTS INC	SCREWS, SANDING DISCS CO	803.95	78364
010-319-33-5-35-30	Tools & Supplies	LAWSON PRODUCTS INC	PIPE WRENCH	71.72	78364
010-319-33-5-35-30	Tools & Supplies	LAWSON PRODUCTS INC	SCREWS, CABLE TIES, CLEV	597.48	78364
010-319-33-5-35-30	Tools & Supplies	LAWSON PRODUCTS INC	WASHERS, BOLTS, BLADES	263.89	78364
010-319-33-5-35-30	Tools & Supplies	SNAP-ON TOOLS	CUTTER WHEEL	14.85	78468
010-319-33-5-35-30	Tools & Supplies	SNAP-ON TOOLS	LONG HANDLE RATCHET & SO	122.65	78468
010-319-33-5-35-30	Tools & Supplies	SNAP-ON TOOLS	TORQUE WRENCH	429.99	78468
010-319-33-5-35-30	Tools & Supplies	SNAP-ON TOOLS	SCANNER UPGRADE	274.50	78468
010-319-33-5-35-40	Equip Repair/Maint Suppl	FASTENAL	1/2 " FLAT WASHERS	15.00	78350
010-319-33-5-35-40	Equip Repair/Maint Suppl	GOOD YEAR COMMERCIAL TIR	SKIDSTEER TIRES, BIG TRU	2,246.87	78355
010-319-33-5-35-40	Equip Repair/Maint Suppl	GOOD YEAR COMMERCIAL TIR	FLAT REPAIR	178.44	78355
010-319-33-5-35-40	Equip Repair/Maint Suppl	GOOD YEAR COMMERCIAL TIR	74 TIRES	475.41	78355
010-319-33-5-35-40	Equip Repair/Maint Suppl	NAPA FALLS AUTO PARTS &	VBELT, OIL & AIR FILTERS	23.75	78373
010-319-33-5-35-40	Equip Repair/Maint Suppl	NAPA FALLS AUTO PARTS &	6 ANTIFREEZE	253.87	78373
Total For Dept 319-33 DP				12,142.93	
Dept 320-36 DPW REFUSE					

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INVOICE GL DISTRIBUTION REPORT FOR VILLAGE OF BROWN DEER
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GL Number	GL Desc	Vendor	Invoice Description	Amount	Check #
Fund 010 General Fund					
Dept 320-36 DPW REFUSE					
010-320-36-5-29-10	Refuse Collection	CASCADE ENGINEERING	422 TRASH CARTS, 100 REC	22,507.30	78343
Total For Dept 320-36 DP				22,507.30	
Dept 361-16 VILLAGE HALL					
010-361-16-5-22-10	Electric/Natural Gas	WE ENERGIES	SERVICE	4,005.49	78445
010-361-16-5-23-10	Cleaning Services	ITU ABSORBTECH INC	30 MATS	203.50	78423
010-361-16-5-23-10	Cleaning Services	ITU ABSORBTECH INC	BAR TOWEL SERVICE	39.95	78423
010-361-16-5-23-10	Cleaning Services	ITU ABSORBTECH INC	30 MATS	151.50	78423
010-361-16-5-23-10	Cleaning Services	PRO ONE JANITORIAL INC	JANITORIAL SERVICE-NOV	2,345.00	78435
010-361-16-5-35-10	Building Supplies	MILWAUKEE BELT-TECH	BELTS	109.11	78429
010-361-16-5-80-10	New/Replace Equipment	J & H HEATING INC	LABOR & MATERIALS FOR VA	3,214.00	78359
Total For Dept 361-16 VI				10,068.55	
Dept 530-53 PARK & RECREATION					
010-530-53-5-45-30	Professional Training	HOIER, CHAD	MILEAGE REIMBURSEMENT-WP	156.80	78420
010-530-53-5-45-30	Professional Training	THOMPSON, MARK	WPRA CONFERENCE-MILEAGE	137.76	78441
Total For Dept 530-53 PA				294.56	
Total For Fund 010 Gener				106,830.29	
Fund 020 Donation Fund					
Dept 000-21 TAXES RECEIVABLES					
020-000-21-5-39-14	Donation Expense - Save	KRAMER ENTERTAINMENT AGE	SAVE A LIFE TOUR DISPLAY	500.00	78446
Total For Dept 000-21 TA				500.00	
Total For Fund 020 Donat				500.00	
Fund 135 Recycling Fund					
Dept 320-36 DPW REFUSE					
135-320-36-5-30-10	Office Supplies	MENARDS - MILWAUKEE	REFLECTIVE LETTERS	11.60	78369
135-320-36-5-50-90	Container Replacement	CASCADE ENGINEERING	422 TRASH CARTS, 100 REC	5,575.00	78343
Total For Dept 320-36 DP				5,586.60	
Total For Fund 135 Recyc				5,586.60	
Fund 140 North Shore Health Dept					
Dept 410-41					
140-410-41-5-30-10	Office Supplies, Equip &	ENVIRONMENTAL INNOVATION	TONER	39.00	78349
140-410-41-5-30-10	Office Supplies, Equip &	PLATT, KATHLEEN	MILEAGE, MEMBERSHIP, SUP	57.99	78376
140-410-41-5-30-10	Office Supplies, Equip &	SCHNEIDER, KIMBERLY	MILEAGE & SUPPLIES REIMB	46.78	78384
140-410-41-5-45-10	Professional Memberships	PLATT, KATHLEEN	MILEAGE, MEMBERSHIP, SUP	150.00	78376
140-410-41-5-45-40	Mileage Reimbursement	PLATT, KATHLEEN	MILEAGE, MEMBERSHIP, SUP	142.13	78376
140-410-41-5-45-40	Mileage Reimbursement	SAPOZHNIKOV, KARA	OCTOBER MILEAGE REIMBURS	38.64	78383
140-410-41-5-45-40	Mileage Reimbursement	SCHNEIDER, KIMBERLY	MILEAGE & SUPPLIES REIMB	64.96	78384
Total For Dept 410-41				539.50	
Total For Fund 140 North				539.50	
Fund 151 Library Fund					
Dept 510-51 92400					
151-510-51-5-20-35	Technical Services	MILW CO FEDERATED LIBRAR	MCFLS FORMS, LABELS, BAR	258.06	78370
151-510-51-5-30-10	Office Supplies, Equip &	BUBRICKS COMPLETE OFFICE	COLOR PAPER	18.63	78339
151-510-51-5-30-10	Office Supplies, Equip &	BUBRICKS COMPLETE OFFICE	COLOR PAPER, PENS, CALEN	206.07	78339
151-510-51-5-30-10	Office Supplies, Equip &	CLEAR CUT PRINT SOLUTION	10 CASES COPY PAPER	338.00	78344
151-510-51-5-30-10	Office Supplies, Equip &	DEMCO	7 DAYS ONLY LABELS	70.29	78345
151-510-51-5-30-10	Office Supplies, Equip &	MILW CO FEDERATED LIBRAR	MCFLS FORMS, LABELS, BAR	227.17	78370
151-510-51-5-30-10	Office Supplies, Equip &	WILLIAMS-VAN KLOOSTER, B	PLANTS FOR LIBRARY GROUND	54.97	78398
151-510-51-5-30-15	Postage & Mailing	MILW CO FEDERATED LIBRAR	MCFLS FORMS, LABELS, BAR	75.90	78370
151-510-51-5-30-20	Communications	MILW CO FEDERATED LIBRAR	MCFLS FORMS, LABELS, BAR	57.11	78370
151-510-51-5-30-20	Communications	AT & T	SERVICE	20.10	78406
151-510-51-5-45-40	Mileage Reimbursement	HAASE, SANDRA JOY	MILEAGE & MEAL REIMBURSE	169.92	78356
Total For Dept 510-51 92				1,496.22	
Dept 511-51					

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GL Number	GL Desc	Vendor	Invoice Description	Amount	Check #
Fund 151 Library Fund					
Dept 511-51					
151-511-51-5-35-40	Collect Repair/Maint/Sup	A M I CORP	LARGE AUDIOBOOK ALBUMS	236.43	78326
151-511-51-5-35-40	Collect Repair/Maint/Sup	A M I CORP	SMALL, MEDIUM, LARGE AUD	419.23	78326
151-511-51-5-35-40	Collect Repair/Maint/Sup	DEMCO	VISTA FOIL, BOOK JACKET	581.97	78345
151-511-51-5-38-15	Books	BAKER & TAYLOR	19 BOOKS	73.16	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	2 BOOKS	34.49	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	5 BOOKS	59.97	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	10 BOOKS	124.71	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	4 BOOKS	58.29	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	2 BOOKS	29.17	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	3 BOOKS	54.17	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	3 BOOKS	42.99	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	1 BOOK	9.55	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	1 BOOK	10.43	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	5 BOOKS	18.51	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	3 BOOKS	22.27	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	2 BOOKS	18.58	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	3 BOOKS	28.08	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	19 BOOKS	242.95	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	18 BOOKS	160.94	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	21 BOOKS	153.07	78333
151-511-51-5-38-15	Books	BAKER & TAYLOR	13 BOOKS	109.09	78333
151-511-51-5-38-15	Books	SYNCB/AMAZON	DVD'S, BOOKS, SUPPLIES	55.69	78389
151-511-51-5-38-15	Books	INGRAM LIBRARY SERVICES	31 BOOKS	167.74	78422
151-511-51-5-38-20	Audio/Visual	ALLIANCE ENTERTAINMENT	2 CD'S	24.00	78328
151-511-51-5-38-20	Audio/Visual	ALLIANCE ENTERTAINMENT	1 CD	13.75	78328
151-511-51-5-38-20	Audio/Visual	SYNCB/AMAZON	DVD'S, BOOKS, SUPPLIES	1,091.33	78389
151-511-51-5-38-30	Donation Expenditures	SYNCB/AMAZON	DVD'S, BOOKS, SUPPLIES	268.33	78389
151-511-51-5-38-40	Library Programming	ANDERSEN-KOPCZYK, DANA	SUPPLIES-CHILDRENS YA PR	61.51	78330
151-511-51-5-38-40	Library Programming	DUNN, MARY	APPRAISAL EVENT	290.00	78346
Total For Dept 511-51				4,460.40	
Dept 512-51					
151-512-51-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	SERVICE	1,348.11	78395
151-512-51-5-23-15	Building Maint/Repair Se	HAPPY LAWNS INC	LAWN SERVICE	96.91	78357
Total For Dept 512-51				1,445.02	
Total For Fund 151 Libra				7,401.64	
Fund 152 Village Park & Pond Fund					
Dept 520-52					
152-520-52-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	SERVICE	9.53	78395
152-520-52-5-37-10	Operation Materials	MENARDS - MILWAUKEE	ANTIFREEZE-VILLAGE PARK/	64.08	78427
152-520-52-5-37-10	Operation Materials	MENARDS - MILWAUKEE	ANTIFREEZE-VILLAGE PARK/	32.04	78427
Total For Dept 520-52				105.65	
Dept 521-52					
152-521-52-5-35-40	Equip Repair/Maint Suppl	MENARDS - MILWAUKEE	ANTIFREEZE-FAIRY CHASM P	32.04	78427
Total For Dept 521-52				32.04	
Total For Fund 152 Villa				137.69	
Fund 153 Recreation Program Fund					
Dept 000-67 PARKS & CULTURE/RECREATION					
153-000-67-4-30-25	Adult Instruction	PRATER, ROBIN	REFUND-STRESS FREE YOGA	26.00	78378
Total For Dept 000-67 PA				26.00	
Dept 541-53					
153-541-53-5-39-70	Program Supplies & Expen	BURGHARDT SPORTING GOODS	VOLLYEBALLS-WOMENS LEAGU	65.98	78452
Total For Dept 541-53				65.98	
Dept 542-53					
153-542-53-5-39-70	Program Supplies & Expen	BROWN DEER, VILLAGE OF	PRIZE MONEY FOR CRIBBAGE	200.00	78409

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Fund 153 Recreation Program Fund					
Dept 542-53					
Total For Dept 542-53				200.00	
Dept 543-53					
153-543-53-5-39-70	Program Supplies & Expen	MARTENS RELIABLE TRUE VA	CLC KEYS FOR STAFF	6.27	78426
Total For Dept 543-53				6.27	
Total For Fund 153 Recre				298.25	
Fund 160 Village Grant Fund					
Dept 546-53					
160-546-53-5-39-70	Program Supplies & Expen	AT & T	SERVICE	66.67	78406
160-546-53-5-39-70	Program Supplies & Expen	CONFLUENCE GRAPHICS	SENIOR CITIZENS CLUB NEW	89.70	78412
Total For Dept 546-53				156.37	
Total For Fund 160 Villa				156.37	
Fund 170 BD Business Park Street Light Fund					
Dept 000-34 STATE SHARED REVENUE					
170-000-34-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	STREET LIGHTING, BD BUS	247.07	78395
Total For Dept 000-34 ST				247.07	
Total For Fund 170 BD Bu				247.07	
Fund 171 Kildeer Court Street Lighting Fund					
Dept 000-34 STATE SHARED REVENUE					
171-000-34-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	STREET LIGHTING, BD BUS	63.58	78395
Total For Dept 000-34 ST				63.58	
Total For Fund 171 Kilde				63.58	
Fund 172 Opus North Street Lighting Fund					
Dept 000-34 STATE SHARED REVENUE					
172-000-34-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	STREET LIGHTING, BD BUS	119.11	78395
Total For Dept 000-34 ST				119.11	
Total For Fund 172 Opus				119.11	
Fund 173 Park Plaza Street Lighting Fund					
Dept 000-34 STATE SHARED REVENUE					
173-000-34-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	STREET LIGHTING, BD BUS	1,115.69	78395
Total For Dept 000-34 ST				1,115.69	
Total For Fund 173 Park				1,115.69	
Fund 174 North Arbon Drive Street Lighting Fund					
Dept 000-34 STATE SHARED REVENUE					
174-000-34-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	STREET LIGHTING, BD BUS	204.89	78395
Total For Dept 000-34 ST				204.89	
Total For Fund 174 North				204.89	
Fund 175 BD Corporate Park Street Lighting Fund					
Dept 000-34 STATE SHARED REVENUE					
175-000-34-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	STREET LIGHTING, BD BUS	78.75	78395
Total For Dept 000-34 ST				78.75	
Total For Fund 175 BD Co				78.75	
Fund 185 BROWN DEER FARMERS MARKET					
Dept 000-41 LICENSES & PERMITS					
185-000-41-5-30-40	Advertising	HOMETOWN COMMUNICATIONS	ADVERTISEMENT SPACE-FARM	475.00	78421
Total For Dept 000-41 LI				475.00	
Total For Fund 185 BROWN				475.00	
Fund 210 Debt Service Fund					
Dept 000-82 MISCELLANEOUS REVENUE					
210-000-82-5-00-10	Issuance Costs	QUARLES & BRADY	DEBT ISSUE COSTS 10/14 B	9,250.00	78379
Total For Dept 000-82 MI				9,250.00	
Total For Fund 210 Debt				9,250.00	

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GL Number	GL Desc	Vendor	Invoice Description	Amount	Check #
Fund 320 Capital Improvement Project Fund					
Dept 000-71					
320-000-71-5-82-50	Village Hall - Computer	RUEKERT & MIELKE INC	PROFESSIONAL SERVICES-JU	16,781.25	78438
Total For Dept 000-71				16,781.25	
Dept 000-72					
320-000-72-5-81-20	Police Dept. Equipment	ADVANTAGE POLICE SUPPLY	BALLISTIC VEST-MORGAN	665.00	78327
320-000-72-5-81-20	Police Dept. Equipment	BAYCOM	IN SQUAD VIDEO SYSTEMS	22,312.00	78335
320-000-72-5-81-20	Police Dept. Equipment	STREICHER'S - LB #7873	BALLISTIC VEST-SCHMITZ	799.00	78388
320-000-72-5-81-20	Police Dept. Equipment	STREICHER'S - LB #7873	BALLISTIC VEST-CARVER	799.00	78388
320-000-72-5-81-20	Police Dept. Equipment	STREICHER'S - LB #7873	BALLISTIC VEST-LESNIK	799.00	78388
320-000-72-5-81-20	Police Dept. Equipment	SIG SAUER INC	SPARE PISTOL PARTS	403.05	78439
Total For Dept 000-72				25,777.05	
Dept 000-73 INTERGOVERNMENTAL CHARGES					
320-000-73-5-81-30	Public Works Equipment	BURKE TRUCK & EQUIPMENT	CAMERA, MONITOR	495.00	78340
320-000-73-5-81-30	Public Works Equipment	BURKE TRUCK & EQUIPMENT	ONE TON TRUCK PACKAGE	10,875.00	78340
320-000-73-5-81-30	Public Works Equipment	BURKE TRUCK & EQUIPMENT	ANTI FLOW PLATE CREDIT	(150.00)	78340
320-000-73-5-82-30	Street Rehabilitation	PAYNE & DOLAN INC	PAY APPLICATION 1	103,977.92	78375
320-000-73-5-82-30	Street Rehabilitation	PAYNE & DOLAN INC	PAY APPLICATION 2	120,234.76	78375
320-000-73-5-82-30	Street Rehabilitation	PAYNE & DOLAN INC	PAY APPLICATION NO 1	177,734.36	78433
320-000-73-5-82-30	Street Rehabilitation	PAYNE & DOLAN INC	CHANE ORDER NO 1	1,628.75	78433
Total For Dept 000-73 IN				414,795.79	
Dept 000-77					
320-000-77-5-82-60	Beautification Projects	LAROSA LANDSCAPE COMPANY	EMERALD ASH BORER EAB TR	22,240.53	78363
Total For Dept 000-77				22,240.53	
Dept 000-82 MISCELLANEOUS REVENUE					
320-000-82-5-00-10	Issuance Costs	MOODY'S INVESTORS SERVIC	10/14/ GO DEBT ISS COSTS	4,832.39	78463
Total For Dept 000-82 MI				4,832.39	
Total For Fund 320 Capit				484,427.01	
Fund 350 TIF #2					
Dept 000-67 PARKS & CULTURE/RECREATION					
350-000-67-5-20-20	Professional Services	VON BRIESEN & ROPER S.C.	TID #2	300.00	78471
350-000-67-5-82-50	TIF District Projects	ASSOCIATED TRUST COMPANY	PAYING AGENT FEE/9/06 GO	363.00	78332
350-000-67-5-82-50	TIF District Projects	ASSOCIATED TRUST COMPANY	PAYING AGENT FEE-GO 10/1	325.00	78332
Total For Dept 000-67 PA				988.00	
Total For Fund 350 TIF #				988.00	
Fund 353 TIF #3					
Dept 000-67 PARKS & CULTURE/RECREATION					
353-000-67-5-20-20	Professional Services	VON BRIESEN & ROPER S.C.	TID#3-LIGHTHOUSE	2,130.00	78471
Total For Dept 000-67 PA				2,130.00	
Total For Fund 353 TIF #				2,130.00	
Fund 600 Water					
Dept 000-12 TAXES					
600-000-12-2-00-20	Accounts Payable-Other	ESCHE, DON	BOOKKEEPING SERVICES	775.00	78416
Total For Dept 000-12 TA				775.00	
Dept 000-37 Admin & General Expense					
600-000-37-5-54-15	Amortization-Bond Discou	MOODY'S INVESTORS SERVIC	10/14/ GO DEBT ISS COSTS	715.91	78463
Total For Dept 000-37 Ad				715.91	
Dept 611-37 Source of Supply Expense					
600-611-37-5-22-50	Purchases of Water	MILWAUKEE WATER WORKS	OCT WHOLESALE WATER	52,907.78	78430
600-611-37-5-35-70	Maintenance-Supply Main	NORTH SHORE WATER COMISS	WATER SAMPLES-REGULAR	300.00	78432
Total For Dept 611-37 So				53,207.78	
Dept 614-37 Trans & Distribution Expense					
600-614-37-5-35-62	Maintenance-Main	HD SUPPLY WATERWORKS LTD	CLAMPS-MAIN REPAIR	796.20	78418
600-614-37-5-35-62	Maintenance-Main	RODRIGUEZ CONSTRUCTION C	ASPHALT RESTORATION 3 LO	1,265.10	78437
600-614-37-5-35-64	Maintenance-Meters	BADGER METER INC	METER PARTS	94.02	78407

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Fund 600 Water					
Dept 614-37 Trans & Distribution Expense					
600-614-37-5-35-66	Maintenance-Hydrants	HD SUPPLY WATERWORKS LTD	HYDRANT	2,561.25	78418
600-614-37-5-35-66	Maintenance-Hydrants	HD SUPPLY WATERWORKS LTD	HYDRANT & PARTS	2,766.73	78418
600-614-37-5-35-66	Maintenance-Hydrants	HD SUPPLY WATERWORKS LTD	HYDRANT	5,022.20	78418
600-614-37-5-35-66	Maintenance-Hydrants	HD SUPPLY WATERWORKS LTD	RETURN HYDRANT	(2,460.95)	78418
600-614-37-5-35-66	Maintenance-Hydrants	MUELLER COMPANY	HYDRANT PARTS	622.57	78431
600-614-37-5-35-66	Maintenance-Hydrants	PLUMBING ESPERANZA	HYDRANT REPAIR	3,490.00	78434
600-614-37-5-35-66	Maintenance-Hydrants	GENE A WAGNER PLUMBING C	HYDRANT REPAIR-51ST & CH	1,661.50	78456
Total For Dept 614-37 Tr				15,818.62	
Dept 614-84 Admin & General Expense					
600-614-84-1-60-60	Meters	BADGER METER INC	METERS, FREIGHT	9,487.11	78407
Total For Dept 614-84 Ad				9,487.11	
Dept 620-37 Admin & General Expense					
600-620-37-5-30-10	Office Supplies, Equip &	AT & T	SERVICE	24.13	78406
600-620-37-5-30-90	Miscellaneous Expense	ACCURATE RECHARGE & FIRE	ANNUAL CODE COMPLIANCE &	49.85	78404
Total For Dept 620-37 Ad				73.98	
Total For Fund 600 Water				80,078.40	
Fund 610 Storm Water					
Dept 000-36					
610-000-36-5-22-10	Natural Gas/Electric Ser	WE ENERGIES	STREET LIGHTING, BD BUS	314.02	78395
610-000-36-5-23-20	Turf Maintenance	FOX SERVICES, LLC	OCT MOWING & LINE TRIMMI	523.32	78417
610-000-36-5-23-20	Turf Maintenance	FOX SERVICES, LLC	OCT MOWING & LINE TRIMMI	592.93	78417
610-000-36-5-23-20	Turf Maintenance	FOX SERVICES, LLC	OCT MOWING & LINE TRIMMI	479.46	78417
610-000-36-5-34-35	Coveral Services	ALSCO AMERICAN INDUSTRIA	SERVICE AREA RUGS	40.26	78329
610-000-36-5-34-35	Coveral Services	ALSCO AMERICAN INDUSTRIA	SERVICE AREA RUGS	40.26	78329
610-000-36-5-60-30	Amortization of debt iss	MOODY'S INVESTORS SERVIC	10/14/ GO DEBT ISS COSTS	4,653.40	78463
610-000-36-5-82-45	Capital Outlay-Imp Ditch	BROWN DEER LAWN SERVICE	DITCHING	5,680.00	78338
610-000-36-5-82-45	Capital Outlay-Imp Ditch	BROWN DEER LAWN SERVICE	DITCHING	8,930.00	78338
610-000-36-5-82-45	Capital Outlay-Imp Ditch	CARLIN SALES CORPORATION	18 BALES MAT BLEND	294.32	78342
610-000-36-5-82-45	Capital Outlay-Imp Ditch	CARLIN SALES CORPORATION	2 BAGS FERTILIZER	62.73	78342
610-000-36-5-82-45	Capital Outlay-Imp Ditch	CARLIN SALES CORPORATION	6 BAGS HYDRO STARTER	339.30	78342
610-000-36-5-82-45	Capital Outlay-Imp Ditch	CARLIN SALES CORPORATION	TACK MAT, GRASS SEED	844.52	78342
610-000-36-5-82-45	Capital Outlay-Imp Ditch	CARLIN SALES CORPORATION	36 BALES TACK MAT	588.64	78342
610-000-36-5-82-45	Capital Outlay-Imp Ditch	CARLIN SALES CORPORATION	HYDRO STARTER, GRASS SEE	762.40	78342
610-000-36-5-82-45	Capital Outlay-Imp Ditch	CARLIN SALES CORPORATION	GRASS SEED	84.70	78342
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LANNON STONE PRODUCTS IN	26.44 TONS	203.60	78362
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LANNON STONE PRODUCTS IN	153.15 TONS 3/8" TB	2,119.73	78362
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LF GEORGE INC	WOOD FIBER-HYDROSEEDING	423.00	78365
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LF GEORGE INC	TACKPLUS	44.00	78365
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	20 YDS BLENDED MIX	340.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	36 YDS UNSCREENED LAWN &	378.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	60 YDS BLENDED MIX	1,020.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	60 YDS BLENDED MIX	1,020.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	40 YDS BLENDED	680.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	20 YDS BLENDED MIX	340.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	40 YDS BLENDED MIX	680.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	40 YDS BLENDED MIX	680.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	40 YDS BLENDED MIX	680.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	120 YDS BLENDED MIX	2,040.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	LIESENER SOILS	80 YDS LAWN & GARDEN	1,240.00	78366
610-000-36-5-82-45	Capital Outlay-Imp Ditch	POBLOCKI PAVING CORP	PREP AND PAVE DRIVEWAY A	40,811.00	78377
610-000-36-5-82-45	Capital Outlay-Imp Ditch	SHORELINE CONTRACTING SE	CLEAN ASPHALT DUMP	10.00	78385
610-000-36-5-82-45	Capital Outlay-Imp Ditch	SHORELINE CONTRACTING SE	CLEAN ASPHALT DUMP	70.00	78385
610-000-36-5-82-45	Capital Outlay-Imp Ditch	SHORELINE CONTRACTING SE	CLEAN ASPHALT DUMP	20.00	78385
610-000-36-5-82-45	Capital Outlay-Imp Ditch	SHORELINE CONTRACTING SE	51.83 TONS 3/4" TB, CLEA	484.64	78385
610-000-36-5-82-45	Capital Outlay-Imp Ditch	SHORELINE CONTRACTING SE	CLEAN ASPHALT DUMP, 261.	2,135.76	78385

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Fund 610 Storm Water					
Dept 000-36					
610-000-36-5-82-45	Capital Outlay-Imp Ditch	WESTERN CULVERT & SUPPLY	CULVERTS, BANDS & DELIVE	1,606.60	78396
Total For Dept 000-36				80,576.59	
Total For Fund 610 Storm				80,576.59	
Fund 630 Sewer					
Dept 000-36					
630-000-36-5-20-45	Engineering Services	R.A. SMITH NATIONAL	FLOW METER WEB HOUSING F	350.00	78380
630-000-36-5-23-10	Cleaning Services	ANSHUS, PATTY	MUNI COMPLEX CLEANING-OC	200.00	78331
630-000-36-5-33-10	Tools & Supplies	FIRST SUPPLY LLC	SEWER-GASKETS,RINGS, COU	322.67	78351
630-000-36-5-33-10	Tools & Supplies	FIRST SUPPLY LLC	GASKETS, RINGS,	443.52	78351
630-000-36-5-33-10	Tools & Supplies	FIRST SUPPLY LLC	SEWER GASKETS	62.26	78351
630-000-36-5-34-30	Safety Equipment	LINCOLN CONTRACTORS	PVC GLOVES, HEARING MUFF	21.46	78367
630-000-36-5-34-35	Uniforms/Coveralls	ALSCO AMERICAN INDUSTRIA	SERVICE AREA RUGS	40.26	78329
630-000-36-5-34-35	Uniforms/Coveralls	ALSCO AMERICAN INDUSTRIA	SERVICE AREA RUGS	40.26	78329
630-000-36-5-35-20	Vehicle Repair/Maint Sup	BURKE TRUCK & EQUIPMENT	2 3/4" VALVE PVC	7.80	78340
630-000-36-5-35-20	Vehicle Repair/Maint Sup	LAKESIDE INT'L TRUCKS IN	PUMP KIT 1380	221.40	78361
630-000-36-5-37-10	Operations Material	PLUMBING ESPERANZA	RELAY 8 INCH SANITARY SE	8,151.00	78434
630-000-36-5-60-30	Amortization of Debt Iss	MOODY'S INVESTORS SERVIC	10/14/ GO DEBT ISS COSTS	298.30	78463
630-000-36-5-82-45	Inflow/Infiltration Cont	R.A. SMITH NATIONAL	DARNEL AVE DYE TESTING,	75,260.00	78380
630-000-36-5-82-45	Inflow/Infiltration Cont	VISU-SEWER INC	LATERAL TELEVISIONING	2,405.00	78394
630-000-36-5-82-45	Inflow/Infiltration Cont	BADGER METER INC	FIRE HYDRANT METER	791.72	78407
630-000-36-5-82-45	Inflow/Infiltration Cont	BROWN DEER WATER DEPT	WATER USAGE-MMSD PROJECT	2,001.40	78408
Total For Dept 000-36				90,617.05	
Total For Fund 630 Sewer				90,617.05	
Fund 800 Tax Agency					
Dept 000-43 INSPECTION PERMITS					
800-000-43-2-00-75	Late Tax Payments Due Mi	MILW CO TREASURER	LATE TAX PAYMENT-TURN OV	500.00	78371
Total For Dept 000-43 IN				500.00	
Total For Fund 800 Tax A				500.00	

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Fund Totals:

Fund 010	General Fund			106,830.29	
Fund 020	Donation Fund			500.00	
Fund 135	Recycling Fund			5,586.60	
Fund 140	North Shore Hea			539.50	
Fund 151	Library Fund			7,401.64	
Fund 152	Village Park &			137.69	
Fund 153	Recreation Prog			298.25	
Fund 160	Village Grant F			156.37	
Fund 170	BD Business Par			247.07	
Fund 171	Kildeer Court S			63.58	
Fund 172	Opus North Stre			119.11	
Fund 173	Park Plaza Stre			1,115.69	
Fund 174	North Arbon Dri			204.89	
Fund 175	BD Corporate Pa			78.75	
Fund 185	BROWN DEER FARM			475.00	
Fund 210	Debt Service Fu			9,250.00	
Fund 320	Capital Improve			484,427.01	
Fund 350	TIF #2			988.00	
Fund 353	TIF #3			2,130.00	
Fund 600	Water			80,078.40	
Fund 610	Storm Water			80,576.59	
Fund 630	Sewer			90,617.05	
Fund 800	Tax Agency			500.00	

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CHECK NUMBERS 78326 - 78399

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Check Date	Bank	Check	Vendor	Vendor Name	Amount
Bank 1 General Checking Account					
11/07/2014	1	78326	004765	A M I CORP	655.66
11/07/2014	1	78327	007843	ADVANTAGE POLICE SUPPLY	665.00
11/07/2014	1	78328	001041	ALLIANCE ENTERTAINMENT	37.75
11/07/2014	1	78329	001071	ALSCO AMERICAN INDUSTRIAL DIVI	161.04
11/07/2014	1	78330	006369	ANDERSEN-KOPCZYK, DANA	61.51
11/07/2014	1	78331	003096	ANSHUS, PATTY	200.00
11/07/2014	1	78332	004788	ASSOCIATED TRUST COMPANY	688.00
11/07/2014	1	78333	001185	BAKER & TAYLOR	1,250.42
11/07/2014	1	78334	001203	BATTERIES PLUS	26.40
11/07/2014	1	78335	005955	BAYCOM	22,312.00
11/07/2014	1	78336	001260	BOLDER GRAPHICS	240.00
11/07/2014	1	78337	008296	BOY SCOUT TROOP 7	154.00
11/07/2014	1	78338	001295	BROWN DEER LAWN SERVICE	14,610.00
11/07/2014	1	78339	001309	BUBRICKS COMPLETE OFFICE	224.70
11/07/2014	1	78340	008068	BURKE TRUCK & EQUIPMENT INC	11,227.80
11/07/2014	1	78341	007273	CAPRILE, BARBARA G	1,500.00
11/07/2014	1	78342	001338	CARLIN SALES CORPORATION	2,976.61
11/07/2014	1	78343	005954	CASCADE ENGINEERING	28,082.30
11/07/2014	1	78344	003122	CLEAR CUT PRINT SOLUTIONS	338.00
11/07/2014	1	78345	001481	DEMCO	652.26
11/07/2014	1	78346	001527	DUNN, MARY	290.00
11/07/2014	1	78347	001544	EGELHOFF LAWN MOWER SERVICE	77.85
11/07/2014	1	78348	003396	EHLERS INVESTMENT PARTNERS	1,112.08
11/07/2014	1	78349	001562	ENVIRONMENTAL INNOVATIONS INC	39.00
11/07/2014	1	78350	004612	FASTENAL	15.00
11/07/2014	1	78351	001590	FIRST SUPPLY LLC	828.45
11/07/2014	1	78352	001606	FOX WELDING SUPPLY INC	47.84
11/07/2014	1	78353	004568	FUCHS & BOYLE SC	9,582.00
11/07/2014	1	78354	001644	GIELOW'S LAWN & GARDEN INC.	14.94
11/07/2014	1	78355	008075	GOOD YEAR COMMERCIAL TIRE	2,900.72
11/07/2014	1	78356	001705	HAASE, SANDRA JOY	169.92
11/07/2014	1	78357	008294	HAPPY LAWNS INC	96.91
11/07/2014	1	78358	007335	HY-TEST SAFETY SHOE SERVICE	287.98
11/07/2014	1	78359	005612	J & H HEATING INC	3,214.00
11/07/2014	1	78360	007381	KETTLE MORaine YMCA	40.00
11/07/2014	1	78361	001851	LAKESIDE INT'L TRUCKS INC	1,455.22
11/07/2014	1	78362	005589	LANNON STONE PRODUCTS INC	2,323.33
11/07/2014	1	78363	008295	LAROSA LANDSCAPE COMPANY INC	22,240.53
11/07/2014	1	78364	001867	LAWSON PRODUCTS INC	2,144.97
11/07/2014	1	78365	008122	LF GEORGE INC	467.00
11/07/2014	1	78366	001877	LIESENER SOILS	8,418.00
11/07/2014	1	78367	001881	LINCOLN CONTRACTORS	60.33
11/07/2014	1	78368	001912	MARTENS RELIABLE TRUE VALUE	57.84
11/07/2014	1	78369	001925	MENARDS - MILWAUKEE	423.40
11/07/2014	1	78370	001950	MILW CO FEDERATED LIBRARY SYS	618.24
11/07/2014	1	78371	003769	MILW CO TREASURER	500.00
11/07/2014	1	78372	001967	MILWAUKEE CO TREASURER	1,680.00
11/07/2014	1	78373	002022	NAPA FALLS AUTO PARTS & SUPPLI	1,511.65
11/07/2014	1	78374	002023	NASSCO INC	185.92
11/07/2014	1	78375	002110	PAYNE & DOLAN INC	224,212.68
11/07/2014	1	78376	007328	PLATT, KATHLEEN	350.12
11/07/2014	1	78377	006142	POBLOCKI PAVING CORP	40,811.00
11/07/2014	1	78378	008270	PRATER, ROBIN	26.00
11/07/2014	1	78379	002179	QUARLES & BRADY	9,250.00
11/07/2014	1	78380	007818	R.A. SMITH NATIONAL	75,610.00
11/07/2014	1	78381	008297	REGISTRATION FEE TRUST	6.00
11/07/2014	1	78382	002229	RODRIGUEZ CONSTRUCTION CORP	4,596.30
11/07/2014	1	78383	007921	SAPOZHNIKOV, KARA	38.64
11/07/2014	1	78384	007872	SCHNEIDER, KIMBERLY	111.74
11/07/2014	1	78385	004677	SHORELINE CONTRACTING SERVICES	2,720.40
11/07/2014	1	78386	005076	STAPLES ADVANTAGE	74.99
11/07/2014	1	78387	002743	STATE OF WISCONSIN	5,575.02
11/07/2014	1	78388	002340	STREICHER'S - LB #7873	2,397.00
11/07/2014	1	78389	007920	SYNCB/AMAZON	1,415.35
11/07/2014	1	78390	002963	TAPCO	570.00
11/07/2014	1	78391	002287	THE SHERWIN WILLIAMS COMPANY	87.00
11/07/2014	1	78392	004356	TIME WARNER CABLE	799.40
11/07/2014	1	78393	003586	VILLAGE OF BROWN DEER	120.13
11/07/2014	1	78394	002491	VISU-SEWER INC	2,405.00
11/07/2014	1	78395	007745	WE ENERGIES	4,099.84
11/07/2014	1	78396	002531	WESTERN CULVERT & SUPPLY INC	1,606.60
11/07/2014	1	78397	007881	WI DEPT OF TRANSPORTATION	35.00
11/07/2014	1	78398	008059	WILLIAMS-VAN KLOOSTER, BRIAN	54.97
11/07/2014	1	78399	007382	YMCA OF METRO MILWAUKEE	70.00

1 TOTALS:

Total of 74 Checks:
Less 0 Void Checks:

523,909.75
0.00

Summary 11/11/14

11/07/2014 12:24 PM
User: gerthde
DB: Brown Deer

CHECK REGISTER FOR VILLAGE OF BROWN DEER
CHECK NUMBERS 78326 - 78399

Page: 2/2

Check Date	Bank	Check	Vendor	Vendor Name	Amount
Total of 74 Disbursements:					523,909.75

Check Date	Bank	Check	Vendor	Vendor Name	Amount
Bank 1 General Checking Account					
11/13/2014	1	78403	007842	A T & T	39.49
11/13/2014	1	78404	001025	ACCURATE RECHARGE & FIRE	49.85
11/13/2014	1	78405	008303	ANDERSON MOVING & STORAGE INC	5,221.81
11/13/2014	1	78406	001150	AT & T	468.76
11/13/2014	1	78407	002733	BADGER METER INC	10,372.85
11/13/2014	1	78408	001299	BROWN DEER WATER DEPT	2,001.40
11/13/2014	1	78409	001301	BROWN DEER, VILLAGE OF	200.00
11/13/2014	1	78410	001309	BUBRICKS COMPLETE OFFICE	98.21
11/13/2014	1	78411	003122	CLEAR CUT PRINT SOLUTIONS	309.82
11/13/2014	1	78412	007860	CONFLUENCE GRAPHICS	89.70
11/13/2014	1	78413	008302	CRAWFORD, LAGERALD	144.20
11/13/2014	1	78414	007890	ELM GROVE POLICE DEPARTMENT	253.20
11/13/2014	1	78415	001562	ENVIRONMENTAL INNOVATIONS INC	199.80
11/13/2014	1	78416	002735	ESCHE, DON	775.00
11/13/2014	1	78417	007711	FOX SERVICES, LLC	4,432.50
11/13/2014	1	78418	004970	HD SUPPLY WATERWORKS LTD	8,685.43
11/13/2014	1	78419	007095	HERBST OIL INC	2,778.87
11/13/2014	1	78420	001733	HOIER, CHAD	156.80
11/13/2014	1	78421	008301	HOMETOWN COMMUNICATIONS	475.00
11/13/2014	1	78422	002680	INGRAM LIBRARY SERVICES	167.74
11/13/2014	1	78423	001758	ITU ABSORBTECH INC	394.95
11/13/2014	1	78424	001841	KUSTOM SIGNALS INC	31.64
11/13/2014	1	78425	001857	LARK UNIFORM OUTFITTERS	1,476.90
11/13/2014	1	78426	001912	MARTENS RELIABLE TRUE VALUE	6.27
11/13/2014	1	78427	001925	MENARDS - MILWAUKEE	128.16
11/13/2014	1	78428	001959	MILWAUKEE AREA DOMESTIC ANIMAL	1.50
11/13/2014	1	78429	001962	MILWAUKEE BELT-TECH	109.11
11/13/2014	1	78430	005127	MILWAUKEE WATER WORKS	52,907.78
11/13/2014	1	78431	008299	MUELLER COMPANY	622.57
11/13/2014	1	78432	003052	NORTH SHORE WATER COMISSION	300.00
11/13/2014	1	78433	002110	PAYNE & DOLAN INC	179,363.11
11/13/2014	1	78434	008300	PLUMBING ESPERANZA	11,641.00
11/13/2014	1	78435	008073	PRO ONE JANITORIAL INC	2,345.00
11/13/2014	1	78436	002188	RACINE POLICE DEPT.	304.20
11/13/2014	1	78437	002229	RODRIGUEZ CONSTRUCTION CORP	1,265.10
11/13/2014	1	78438	004858	RUEKERT & MIELKE INC	16,781.25
11/13/2014	1	78439	007464	SIG SAUER INC	403.05
11/13/2014	1	78440	003457	TASER INTERNATIONAL	4,961.25
11/13/2014	1	78441	007416	THOMPSON, MARK	137.76
11/13/2014	1	78442	002436	U.S. POSTAL SERVICE	1,500.00
11/13/2014	1	78443	002510	WAUKESHA COUNTY SHERIFF	360.00
11/13/2014	1	78444	002693	WCTC	149.00
11/13/2014	1	78445	007745	WE ENERGIES	4,005.49

1 TOTALS:

Total of 43 Checks:
 Less 0 Void Checks:

Total of 43 Disbursements:

316,115.52
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 316,115.52

Sum
 11/13/14

Check Date	Bank	Check	Vendor	Vendor Name	Amount	Aprv
Bank 1 General Checking Account						
11/14/2014	1	78446	008304	KRAMER ENTERTAINMENT AGENCY, INC	500.00	
1 TOTALS:						
Total of 1 Checks:					500.00	
Less 0 Void Checks:					0.00	
Total of 1 Disbursements:					500.00	

Susan
11/14/14

Check Date	Bank	Check	Vendor	Vendor Name	Amount
Bank 1 General Checking Account					
11/21/2014	1	78447	008305	ALPHA CARD	1,015.33 ✓
11/21/2014	1	78448	008101	APPLEBEE'S	8.00 ✓
11/21/2014	1	78449	008032	ASSOCIATED APPRAISAL CONSULTANTS	2,273.24 ✓
11/21/2014	1	78450	001309	BUBRICKS COMPLETE OFFICE	164.55 ✓
11/21/2014	1	78451	006415	BUELOW VETTER BUIKEMA	3,498.00 ✓
11/21/2014	1	78452	001314	BURGHARDT SPORTING GOODS	65.98 ✓
11/21/2014	1	78453	001344	CARVER, MICHAEL	36.77 ✓
11/21/2014	1	78454	006148	CENTRAL OFFICE SYSTEMS	132.47 ✓
11/21/2014	1	78455	007756	CENTURY LINK	1.84 ✓
11/21/2014	1	78456	001635	GENE A WAGNER PLUMBING CO.	1,661.50 ✓
11/21/2014	1	78457	004563	GENERAL COMMUNICATIONS INC	2,309.50 ✓
11/21/2014	1	78458	008075	GOOD YEAR COMMERCIAL TIRE	2,187.52 ✓
11/21/2014	1	78459	005145	INTERNATIONAL CONFERENCE OF	125.00 ✓
11/21/2014	1	78460	004774	JOURNAL SENTINEL	381.60 ✓
11/21/2014	1	78461	006157	KUEHNE, LUCAS	41.99 ✓
11/21/2014	1	78462	007919	MILWAUKEE CO OFFICE OF THE SHERIFF	464.00 ✓
11/21/2014	1	78463	002002	MOODY'S INVESTORS SERVICE	10,500.00 ✓
11/21/2014	1	78464	002022	NAPA FALLS AUTO PARTS & SUPPLI	524.91 ✓
11/21/2014	1	78465	002126	PETRAS, ERIKA	389.20 ✓
11/21/2014	1	78466	003060	RICOH USA INC	822.24 ✓
11/21/2014	1	78467	003454	SCRUB BROWN DEER LLC	12.00 ✓
11/21/2014	1	78468	005059	SNAP-ON TOOLS	1,116.49 ✓
11/21/2014	1	78469	006010	TIM O'BRIEN HOMES	1,000.00 ✓
11/21/2014	1	78470	008247	TRANSUNION RISK & ALTERNATIVE DATA	12.00 ✓
11/21/2014	1	78471	008290	VON BRIESEN & ROPER S.C.	2,430.00 ✓
11/21/2014	1	78472	008076	WAUKESHA LIME AND STONE	280.50 ✓
11/21/2014	1	78473	002517	WAYSIDE NURSERIES INC	178.00 ✓
11/21/2014	1	78474	002690	ZEISE, JILL	163.58 ✓

1 TOTALS:

Total of 28 Checks:

Less 0 Void Checks:

Total of 28 Disbursements:

31,796.21

0.00

31,796.21

Janer
11/21/14