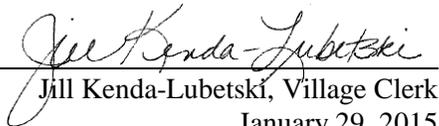


VILLAGE BOARD MEETING
Monday, February 2, 2015
Earl McGovern Board Room, 6:30 P.M.



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
 - A) Brown Deer Police Department Recognition
- IV. Consideration of Minutes: January 19, 2015 Regular Meeting
- V. Unfinished Business
 - A) TIF No. 2 Street Re-Lighting Project
- VI. New Business
 - A) 2015 IT Service Contract – Police Department/Village Hall
 - B) 2015 Squad Video Recording Systems
- VII. Committee Appointment
- VIII. Village President's Report
- IX. Village Manager's Report
- X. Adjournment


Jill Kenda-Lubetski, Village Clerk
January 29, 2015

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

**BROWN DEER VILLAGE BOARD
JANUARY 19, 2014 MEETING MINUTES
HELD AT THE BROWN DEER VILLAGE HALL
4800 WEST GREEN BROOK DRIVE**

The meeting was called to order by President Krueger at 6:30 P.M.

I. Roll Call

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

Also Present: Michael Hall, Village Manager; Jill Kenda-Lubetski, Village Clerk; Rebecca Boyle, Village Attorney; Nate Piotrowski, Community Development Director; Matthew Maederer, Director of Public Works; Michael Kass, Chief of Police; Susan Hudson, Treasurer/Comptroller; Fernando Moreno, Zoning & Planning Specialist; Brian Williams-VanKlooster, Library Director

II. Pledge of Allegiance

III. Persons Desiring to be Heard

A) Brown Deer Police Department Recognition – 4 (Chief Kass)

Chief Kass recognized two individuals for providing outstanding service within the community.

- 1) Kristee Yardley, Wauwatosa, was recognized for an act of kindness rendered on November 23, 2014.
- 2) Jason Radcliff, Walmart Store Manager, was recognized for his assistance in coordinating the “Shop with a Cop” event that was held in December at the Brown Deer Walmart.

Chief Kass stated there will be one additional citizen recognition by the department at the first Village Board meeting in February.

IV. Consideration of Minutes: December 15, 2014 - Regular Meeting

It was moved by Trustee Schilz and seconded by Trustee Oates to approve the minutes from the December 15, 2014 Regular Meeting, as amended. The motion carried unanimously.

V. Unfinished Business

VI. New Business

A) Second Amendment to Substitute Redevelopment Agreement with Deerwood Offices, 8655 N. Deerwood Dr.

President Krueger reported the CDA met just prior to the Village Board meeting to discuss this item. He stated the CDA reviewed the agreement and explained the problem with the assessment for Deerwood Offices. He also stated the CDA recommended approval of the Second Amendment to Substitute Redevelopment Agreement with Deerwood Offices located at 8655 North Deerwood Drive.

Mr. Hall stated the 2013 guaranteed value was originally agreed to be \$2,850,000. The 2013 assessment, however, was \$3,904,800. The 2014 guaranteed value was lowered to \$1,779,700 to balance the two years. Utilizing the 2014 assessment ratio of 97.44, the assessed value should have been \$1,734,100. The assessor, however, left the assessment at \$3,904,800 for 2014. The Village Treasurer estimated that the higher assessment results in the payment of more than \$60,000. She stated the agreement has a Guaranteed Value Schedule. In the event taxes are billed which are based on values higher than Guaranteed Value, per this agreement, generating unanticipated tax revenue, the amount of such

unanticipated tax revenue will not need to be paid by the developer. If the developer pays the higher amount, the Village will refund the overpayment. He also stated that the Village will be speaking with the assessor regarding this and other agreements; and that it is agreed going forward between both parties excess amounts will be in the form of a credit.

Ms. Hudson provided the exact dollar amount (\$66,027.79) and confirmed that for the tax year 2014 and thereafter, ending with the last tax year of the term covered by the agreement, it will be in the form of a credit to the developer on their tax bill.

Trustee Springman questioned if these are guaranteed values, what are we even doing this?

Attorney Boyle stated that it is controlled by the state and, therefore, needs to be handled in-house.

Trustee Springman stated if this is being done per state regulations, what if it's not working?

Attorney Boyle stated that the Village can weigh-in on the assessed value; unfortunately, we are doing it now after the fact.

Trustee Springman wanted to know if we were refunding \$66,000+ to the developer. Mr. Hall stated that they have not paid the tax bill yet, which is due on January 31, 2015. Having this signed agreement will allow us to give them a credit on their tax bill before the due date.

Trustee Schilz wanted to know who the liaison is with our Village Assessor. Mr. Hall stated that it is the Village Manager, Village Treasurer, Village Clerk, and Village Attorney. He stated a meeting is scheduled with the assessor to discuss this matter and other issues on January 28, 2015.

Trustee Springman wanted to know why our previous assessor was agreeable to work with special agreements like this but our new assessor is not good with having special arrangements. Mr. Hall stated that this is something that will be discussed at the meeting on January 28, 2015.

Trustee Springman wanted to know what would be done if the new assessor refused to honor any special agreements/arrangements. Mr. Hall stated that the contract could be cancelled with the assessor.

Trustee Schilz wanted to know why the Board of Review did not hear this case and make any changes. Mr. Hall stated the Board of Review had already met and adjourned for the year when this was discovered. If there is no change made to the value, a letter is not generated and provided to the property owner.

Mr. Hall stated that the value of the property went from \$3.9 million to \$1.7 million.

Attorney Boyle confirmed that this is an agreed upon value for 2015.

It was moved by President Krueger and seconded by Trustee Schilz to approve the Second Amendment to Substitute Redevelopment Agreement with Deerwood Offices, 8655N. Deerwood Dr. The motion carried unanimously.

B) Goodwill – Sidewalk Easement

Mr. Piotrowski reported on an easement agreement for a public sidewalk between the Village and the land owner, located near the Holiday Inn sign on Schroeder Drive and Green Bay Road (northwest corner). The agreement would allow the Village to construct and maintain a public sidewalk at this location, and will hold the land owner harmless for any claims, liabilities, losses, damages, injuries. The property owner for the Holiday Inn has approved of the sidewalk at this location. .

It was moved by Boschert and seconded by Trustee Schilz to approve the Goodwill – Sidewalk Easement. The motion carried unanimously.

C) Resolution No. 15-, “Resolution Declaring International Migratory Bird Day in the Village of Brown Deer” Bird City Re-Application Process

Mr. Piotrowski and Mr. Moreno stated the Village would like to renew our status as a migratory bird city. The approval and passing of the resolution declaring International Migratory Bird Day is consistent with the goals and objectives laid out in the Village’s Comprehensive Plan to improve the integrity of the local environment.

Mr. Maederer stated the bird city designation is similar to the Tree City USA program. This would be the second year for the Village to have Bird City designation. A community celebration is planned to be held in conjunction with the Arbor Day celebration, which is scheduled for the second Saturday in May.

Trustee Baker commented that he found it rather interesting that 350 species of birds pass through the Village of Brown Deer.

It was moved by President Krueger and seconded by Trustee Baker to approve Resolution No. 15-, “Resolution Declaring International Migratory Bird Day in the Village of Brown Deer” and also approve the Bird City Re-application process. The motion carried unanimously.

D) Code Enforcement Activities Report for 2014

Mr. Moreno provided a report on his activities as the Planning and Zoning Specialist for 2014.

Trustee Oates wanted to know if Mr. Moreno encountered any hostility. Mr. Moreno stated not much, it was more appreciation than anything.

Trustee Boschert wanted clarification that if he did encounter a code violation, the property owner was not issued a citation, but rather a fine. Mr. Moreno confirmed that a fine was assessed and most of the property owners comply.

Mr. Hall stated that this is not being done to generate additional revenue.

Attorney Boyle stated that this is not about any type of forfeiture; we only charge court costs to the offenders.

Trustee Schilz inquired if Mr. Moreno was maintaining a database of the problem properties that could eventually be merged into a mapping system. Mr. Moreno stated that he is keeping records and that merging his information with a mapping program is something that could be looked at for the future.

Trustee Schilz wanted to know how the police department becomes involved. Mr. Moreno stated that they correspond via email so there is a record of the complaint.

Trustee Baker questioned what the definition of recreational parking is and also wanted the definition of paved surface (not on the grass). He stated he has observed a tarp on a trailer located in a front driveway on Silver Brook Lane and also a possible home occupation with tents that are north of Bradley Road. Mr. Moreno stated he was aware of both problems and is working on issuing notices and fines for both.

President Krueger asked if he had a database of foreclosure properties. Mr. Moreno stated that he does not and can think of no way to have a listing of all of the foreclosure properties in the Village. President Krueger asked if he could research if there was a means of obtaining this information. Mr. Piotrowski

stated that they will monitor the foreclosure registration addresses. Attorney Boyle stated that it could also be registered by owner.

President Krueger asked Chief Kass if the police department was receiving any calls or reports on Mr. Moreno's activities throughout the Village. Chief Kass responded that he believes it is working very well.

Trustee Springman opined that he sees rummage sale signs up for extended periods of time. He was wondering what, if anything, can be done to get them down and removed in a timely manner. This will be monitored more closely this year when the rummage sales start up again.

E) Resolution No. 15-, "Partnership for Prosperity: An Agenda for a Competitive 21st Century Wisconsin"

President Krueger stated that the proposed resolution was discussed at the recent ICC meeting. He would like the Village of Brown Deer to pass the resolution to show our endorsement of working collaboratively with Governor Scott Walker and the Legislature to accomplish the goals of job creation and economic growth.

Mr. Hall stated that it is beneficial to work cooperatively with other municipalities and the league.

It was moved by President Krueger and seconded by Trustee Schilz to approve Resolution No. 15-, "Partnership for Prosperity: An Agenda for a Competitive 21st Century Wisconsin". The motion carried unanimously.

F) Ordinance No. 15-, "An Ordinance Amending Section 34-203 of the Brown Deer Village Code Relating to Possession of Tobacco Products by Minors"

Trustee Boschert stated this item was discussed at the Traffic and Public Safety Committee meeting. He said the ordinance is an amendment to the village code that pertains to possession of tobacco and tobacco products by minors on school property/premises. He further stated that it is because of the e-cigarettes.

Attorney Boyle stated that verbiage is being added to prohibit e-cigarettes and paraphernalia on school grounds.

Trustee Boschert stated the battery of the e-cigarette was very unique (similar to a ball-point pen).

Trustee Baker asked for confirmation that the students would not be able to have any tobacco products in their lockers, cars, during random K-9 inspections, etc.

Trustee Schilz asked if the school approached us about changing the ordinance.

Chief Kass stated that the police department worked with the schools regarding this proposed change.

Trustee Schilz wanted to know if there was going to be any change to the signage in and around the school buildings.

Chief Kass stated that the students will know.

Trustee Boschert stated that this amendment will give the police department the necessary means to enforce the code.

Chief Kass also reported that this particular ordinance change was to specifically ban e-cigarettes on all

school grounds. This would be per Village Ordinance; not a School District policy.

It was moved by Trustee Boschert and seconded by Trustee Oates to approve Ordinance No. 15-, “An Ordinance Amending Section 34-203 of the Brown Deer Village Code Relating to Possession of Tobacco Products by Minors”. The motion passed unanimously.

G) Update to Fee Chart (Resolution), Ordinance 109.91 – Fees

Trustee Boschert stated this item was presented at the Traffic and Public Safety Committee meeting. He reported that there were some very minor changes made to the fees.

Chief Kass explained the reasoning behind the change of fees was to bring them more uniform with other area municipalities. He further stated that some fees, such as bicycle licensing, would be waived completely.

It was moved by Trustee Boschert and seconded by Trustee Baker to approve the Update to Fee Chart (Resolution), Ordinance 109.91-Fees. The motion carried unanimously.

H) Ordinance No. 15-, “An Ordinance Amending Section 62-51 of the Village Code Relating to Parking Regulated”

Trustee Boschert stated that parking regulations were discussed at the Traffic and Public Safety Committee meeting.

Chief Kass stated the Village currently has one hour street parking from 2:00 a.m. to 6:00 a.m. He said the department was requesting the overnight parking ordinance be changed to make it consistent with other communities in the North Shore; no other jurisdiction has a one-hour limit. A total of 10 signs will be placed throughout the Village advising of the change to the parking restriction/limitation.

Trustee Springman asked what happens when there are some extenuating circumstances.

Chief Kass responded that the Shift Supervisor can override the request.

It was moved by Trustee Boschert and seconded by Trustee Schilz to adopt Ordinance No. 15-, “An Ordinance Amending Section 62-51 of the Village Code Relating to Parking Regulated”. The motion carried unanimously.

I) Approval for No Parking Restriction on West Dean Road Amending Table 62-51C of the Village’s No Parking Ordinance

Trustee Boschert stated that amending the no parking restriction on West Dean Road was discussed at the Traffic and Public Safety Committee meeting. He stated that this stretch of West Dean Road is too narrow and is especially problematic in the winter. He stated that this would be a permanent change from North Teutonia Avenue west to the curve in the driveway (North 44th Street). Both roadways would be of equal size following the implementation.

Trustee Awe wanted to know if the management/owners of Brooklane Apartments approved of the change.

Mr. Maederer stated that they agreed to the change. They were invited to a meeting to discuss the proposed changes, but declined the invitation.

Trustee Baker wanted to know if there was adequate parking allocated for visitors/guests.

Mr. Maederer stated there are plenty of parking spaces on and around the building premises to accommodate visitors/guests.

It was moved by Trustee Boschert and seconded by Trustee Baker to adopt the Approval for No Parking Restriction on West Dean Road Amending Table 62-51C of the Village's No Parking Ordinance. The motion carried unanimously.

J) Conditional Use Permit to Eco-Site LLC, for a Cellular Communication Tower and Associated Equipment at 8200 North 60th Street

Mr. Piotrowski reported Eco-Site is proposing to erect and operate a cellular antenna tower adjacent to the main baseball and softball diamonds at the Brown Deer School District. The tower would replace a 75 foot tall wooden light pole with a 105 foot tall steel pole. The new pole would retain lighting for the ball fields and antenna arrays would be aligned at the top. The tower will start with one array of antennas at the top. There will be an opportunity to add two additional arrays. A wooden privacy style fence and enhanced landscaping will also be added. Mr. Piotrowski stated that this item was reviewed and approved by the Plan Commission. He also stated that the Brown Deer School District staff has also reviewed the proposal and did not have any major site layout concerns; however, they also requested improved screening. It will be necessary for the applicant to obtain approval of the lease agreement from the Brown Deer School Board.

Trustee Baker wanted to know if there was any interest in another location or co-location. He expressed a concern about negative health implications.

Tony Phillips, Jurisdictional Manager and representative of SAC Wireless, stated his customer has no interest in any other location. He also stated that the antenna arrays are mounted at heights that have not been shown to have negative health effects.

Attorney Boyle stated they did look at other locations but there was no interest.

Trustee Baker asked if the applicant considered the new cell tower by the Brown Deer Library.

Mr. Piotrowski said the applicant wanted a position north of the library site and they also preferred to be the main carrier on a tower.

Trustee Oates opined that he has heard from several residents that the Village has too many cell towers already and they have excellent phone coverage with the number of towers we currently have.

Trustee Schilz questioned what are the parameters of our authority? Can we request the applicant place netting over the equipment shelter? Mr. Phillips replied that they are going to put sloped netting over the enclosure area.

Trustee Awe questioned why the equipment enclosure was in the middle of the field.

Trustee Boschert wanted to know if Eco-Site approached the Village or did the school seek it. Mr. Piotrowski responded that Eco-Site approached the Village.

Trustee Boschert wanted to know how many carriers would be on the tower. Mr. Phillips responded there would be three (3).

Trustee Boschert wanted to know if it was unanimous with the Plan Commission. Mr. Piotrowski stated it was unanimous with the Plan Commissioners.

It was moved by President Krueger and seconded by Trustee Springman to approve the Conditional Use Permit to Eco-Site LLC, for a Cellular Communication Tower and Associated Equipment at 8200 North 60th Street. The motion carried 6-1, with Trustee Oates in opposition.

K) Conditional Use Permit for a Commercial Dance Studio at 9036 North 51st Street

President Krueger stated that he would like the Village Board to consider Section VI, Items K, L, M with one motion.

It was moved by President Krueger to approve the Conditional Use Permits for the Dance Studio at 9036 North 51st Street, the Medical Laboratory at 9055 North 51st Street, Unit E, and the Development Agreement for a professional Office at 8759 North Deerwood Drive.

Trustee Baker stated that he does not want to consider all three items under one motion as he will not vote to approve the Conditional Use Permit for the Commercial Dance Studio, Item K. He reported that after the Plan Commission meeting, where the recommendation was to approve the Conditional Use Permit for the Dance Studio at 9036 North 51st Street, he reported that a child darted out in front of his car on his way home. He stated that the child's mother was parked on the west side of the street in the "Temporary No Parking" area, talking on her cell phone and had no idea what could have just happened to her child.

The motion failed due to lack of a second.

It was moved by President Krueger to amend his original motion and to approve the Conditional Use Permit for the Medical Laboratory at 9055 North 51st Street, Unit E (Item L) and the Development Agreement for a Professional Office at 85759 North Deerwood Drive (Item M). The motion was seconded by Trustee Schilz. The motion carried unanimously.

Trustee Schilz stated that he has observed cars double-parked and too close to the corner at the dance studio on numerous occasions.

Trustee Boschert stated that the dance studio owner needs to be advised of what is happening.

Trustee Schilz also expressed concern on municipal court nights. He advised that some court patrons might not be as cautious, especially if they are upset from their court appearance.

President Krueger asked if a camera could be mounted in an area that would be able to capture a picture of the violators. A citation could be issued and a copy of the picture sent to each violator.

Trustee Schilz asked if the Brown Deer Police Department could park around the area of the dance studio to monitor the activities and present the data and statistics to the owner.

Chief Kass responded that we cannot regulate and justify the need for the 10% that are violators.

Trustee Baker suggested holding the property owner responsible.

Attorney Boyle stated that you cannot hold the property owner responsible for the activities of his patrons outside on the street.

Trustee Baker asked if Mr. Piotrowski could contact the dance studio and provide him with a report of the number of incidents/violations.

Mr. Piotrowski said he would contact the dance studio owner.

Trustee Schilz asked what would be the recourse if the Village Board denied the Conditional Use Permit this evening.

Attorney Boyle and Mr. Piotrowski said they would need to start the process to rescind the Development Agreement.

It was moved by President Krueger and seconded by Trustee Boschert to extend the Conditional Use Permit for a Commercial Dance Studio at 9036 North 51st Street for one additional year, with the stipulation that staff is to work with the dance studio owner on the parking situation and problems. The motion carried unanimously.

Trustee Springman asked how will staff and the police department make the dance studio enforce the “no parking” rule.

Mr. Piotrowski and Chief Kass said they will be speaking with the dance studio owner about this.

L) Conditional Use Permit for a Medical Laboratory at 9055 North 51st Street, Unit E

See Item K (above).

M) Development Agreement for a Professional Office at 8759 North Deerwood Drive

See Item K (above).

N) Resolution No. 15-, “Fee Schedule for 2015”

Mr. Hall stated that the proposed fee schedule for 2015 has been updated. There were minimal changes to any of the fees from 2014 to 2015.

Trustee Oates asked Chief Kass about the cost and types of photographs obtained from the police department.

Chief Kass stated that the department can provide copies of photos when pictures were taken at an accident or scene of a crime. He stated that the department charges the fee to recoup our costs only. The department does not generate any revenue from reproducing any photographs.

It was moved by President Krueger and seconded by Trustee Schilz to adopt Resolution No. 15-, “Fee Schedule for 2015”. The motion passed unanimously.

O) Ordinance No. 15-, “An Ordinance Amending Section 2-427 of the Brown Deer Village Code Pertaining to Destruction of Public Records”

Mr. Hall stated that, in the past, the Village would need to contact the State Historical Society and obtain permission for the destruction of certain records. He said the Village received a letter from the Wisconsin Historical Society stating the Village will meet the guidelines required to destroy certain documents, without having to notify the Wisconsin Historical Society prior to destruction, with the passing of this ordinance and a resolution with a records retention schedule and policy. This ordinance legally codifies the Village’s records management practices.

Trustee Baker questioned the destruction schedule.

Attorney Boyle stated that the Village will need to abide by the Municipal Records Retention Schedule that should be adopted by resolution after the passing of this ordinance.

Trustee Oates wanted to know if this was unique and exclusive for the Village of Brown Deer. Attorney Boyle stated that it was not and it was per state statute.

It was moved by President Krueger and seconded by Trustee Awe to adopt Ordinance No. 15-, "An Ordinance Amending Section 2-427 of the Brown Deer Village Code Pertaining to Destruction of Public Records. The motion passed unanimously.

P) Resolution No. 15-, "Resolution Pertaining to Retention and Destruction of Municipal Records"

Mr. Hall reported that the proposed resolution contains the complete Municipal Records Retention Schedule.

Attorney Boyle reported that the Village will be able to destroy records without notifying the Wisconsin Historical Society.

It was moved by President Krueger and seconded by Trustee Boschert to approve Resolution No. 15-, "Resolution Pertaining to Retention and Destruction of Municipal Records. The motion passed unanimously.

Q) Draw Candidate's Names for Ballot Placement for Spring Election on April 7, 2015

Attorney Boyle drew the candidate's names for placement on the April 7, 2015 ballot. The first name drawn was Robert W. Oates. His name will appear first on the ballot, followed by Tim Schilz.

VII. Village President's Report

Village President Krueger reported on the following:

Items Discussed at the ICC Meeting:

- Partnership for Prosperity with the League
- Street Car Project
- Proposed New Election Equipment

Ms. Kenda-Lubetski reported that the Village will be getting new voting machines in 2016. All 18 municipalities plus the City of Milwaukee will be doing a combined purchase in 2015. Milwaukee County will be paying for 70% of the cost of the new equipment; the Village of Brown Deer will be responsible for the remainder. She stated that a draft of an Intergovernmental Agreement for Purchase of New Election Equipment was presented and approved by the ICC at a recent meeting. The agreement will be presented at the next Milwaukee County Board of Supervisors meeting in February. If approved, the agreement will be coming to the Village for approval. She stated that there are several counties in the State of Wisconsin that have already purchased the same equipment (Dane, Brown, LaCrosse). The equipment was utilized for all of the 2014 elections in these counties.

Ms. Kenda-Lubetski also stated that in 2006, it was mandated that all municipalities must comply with HAVA (Help America Vote Act) and obtain voting equipment to accommodate the disabled. The State of Wisconsin had received funding for the equipment and would reimburse each municipality in the state for the purchase of this equipment. An invoice was never submitted to the State of Wisconsin for reimbursement of the purchase of three AutoMARK units in 2007. Ms. Kenda-Lubetski contacted the Government Accountability Board (GAB) in 2014 to see if the funds were still available to reimburse the Village. She was advised there was monies available, submitted a purchase order and invoice for the equipment and received a check in excess of \$16,000.00. These funds will cover the cost of any and all new voting equipment that will be purchased.

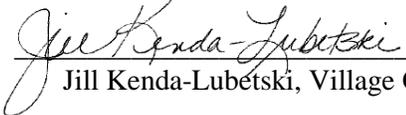
VIII. Village Manager's Report

Village Manager reported on the following:

Promotion of the John McGivern Around the Corner Event in February at the high school.
New Employee Hires (David Reindl, Ann Christensen)
TIF/TID Districts
Funding for the Lighthouse
Blood Drive on February 23, 2015
CORP (Comprehensive Outdoor Recreation Plan) Open House on January 20, 2015.

IX. Adjournment

It was moved by Trustee Schilz and seconded by Trustee Oates to adjourn at 8:58 p.m. The motion carried unanimously.



Jill Kenda-Lubetski, Village Clerk



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:	January 29, 2015
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>This is a follow-up to the discussion regarding the TIF No. 2 street re-lighting project. At the December 15th, 2014 regularly scheduled Board meeting trustees asked for additional information and had some questions. Staff has since worked with the engineering consultant (Greg Sadowski, P.E., at POWRTEK) to present revised information.</p> <p>The previous questions/comments along with responses are as follows:</p> <ol style="list-style-type: none">1. Can we eliminate light poles and provide less illumination?<ol style="list-style-type: none">a. Eliminating poles proves to be costly because underground cabling must be re-worked when a pole is eliminated in the series. Additionally, when lighting a roadway certain ANSI (American National Standards Institute) standards must be followed. Attached is Table 3: Luminance Methods – Recommended Values from ANSI.2. Can we lower the pole height?<ol style="list-style-type: none">a. We did look at lowering the pole height with providing 20-ft tall coach lights along W. Bradley Road between N. 51st Street & N. Sherman Blvd. Lowering the poles does reduce some illumination. The same overall number of poles will still be provided.3. Can we eliminate lighting on N. Teutonia Ave?<ol style="list-style-type: none">a. Yes, an option has been included with eliminating the lighting on N. Teutonia Avenue and reinstating the original intersection lighting.4. Can the lighting on N. Teutonia Ave be less decorative?<ol style="list-style-type: none">a. Yes, and option has been provided which includes standard black anodized aluminum poles on N. Teutonia Ave.

RECOMMENDATION: After review of the revised options and investigating the questions brought forth at the previous Board meeting staff maintains the original recommendation and requests permission to proceed with the design plans for Option No. 4 at an estimated cost of \$379,000 as part of the W. Bradley Road reconstruction. Option 4 maintains continuity throughout the corridor and within the TIF district.

Attachment(s):

- TIF No. 2 Re-Lighting Project Summary & Options (REVISED)
- ANSI Table 3: Luminance Methods – Recommended Values

and benefits of the lighting system also include pedestrian lighting, security lighting, building facade lighting, and overall aesthetic impact on the community.

Design efforts must include the integration of the lighting system into the surrounding area as well as consideration for its impact on buildings and pedestrians. Other specialized equipment is often required to interface with the street furniture.

This section addresses the lighting needs of adjacent pedestrian and bikeway areas only when the roadway is continuously illuminated. **Figure 2** shows an example of a roadway system with various elements often included within the right of way. Both the recommendations included in this section as well as those for the roadway included in prior sections should be evaluated.

3.5.1 Pedestrian Areas and Bikeways Design Recommendations. Pedestrian areas are divided into three categories.

3.5.1.1 High Pedestrian Conflict Areas— Commercial areas in urban environments may

have high night pedestrian activities. It is important to provide visibility for a driver to create a reasonably safe environment for the pedestrian and cyclist. Since the reflection characteristics of surfaces vary and are generally unknown during design, use of illuminance values is recommended. Vertical surfaces such as buildings and pedestrians should also be illuminated in order to create a bright environment. **Tables 5, 6, and 7** include recommended minimum maintained average vertical illuminances for pedestrian areas at a height of 1.5 m (4.9 ft.) in both directions measured parallel to the main pedestrian flow. Glare from the luminaires must be restricted by paying careful attention to luminaire mounting heights, lamp light output, and photometric distribution.

3.5.1.2 Medium Pedestrian Conflict Areas— Intermediate areas have moderate night pedestrian activities. These areas may typically be those near community facilities such as libraries and recreation centers. Safety for the pedestrian as well as providing guidance to primary travel ways are key elements in the design of a lighting system in

Table 3: Luminance Method - Recommended Values

Road and Pedestrian Conflict Area		Average Luminance	Uniformity Ratio	Uniformity Ratio	Veiling Luminance Ratio
Road	Pedestrian Conflict Area	L_{avg} (cd/m^2)	L_{avg}/L_{min} (Maximum Allowed)	L_{max}/L_{min} (Maximum Allowed)	L_{Vmax}/L_{avg} (Maximum Allowed)
Freeway Class A		0.6	3.5	6.0	0.3
Freeway Class B		0.4	3.5	6.0	0.3
Expressway	High	1.0	3.0	5.0	0.3
	Medium	0.8	3.0	5.0	0.3
	Low	0.6	3.5	6.0	0.3
Major	High	1.2	3.0	5.0	0.3
	Medium	0.9	3.0	5.0	0.3
	Low	0.6	3.5	6.0	0.3
Collector	High	0.8	3.0	5.0	0.4
	Medium	0.6	3.5	6.0	0.4
	Low	0.4	4.0	8.0	0.4
Local	High	0.6	6.0	10.0	0.4
	Medium	0.5	6.0	10.0	0.4
	Low	0.3	6.0	10.0	0.4

(Refer to Section 3.6 for Intersection Lighting)

**TIF #2 RE-LIGHTING OPTIONS
(Updated Jan 2015)**

DESCRIPTION	LAMP (LED) L ⁷⁰ LIFE*	ENERGY SAVINGS	ESTIMATED COST
OPTION 1 Anodized pole, arm & base cover	100,000+ hrs	45%	\$ 294,000.00
OPTION 2 Anodized pole, arm & base cover	350,000 hrs (theoretical)**	50%	\$ 347,000.00
OPTION 3 Anodized pole, arm & base cover	350,000 hrs (theoretical)**	50%	\$ 442,000.00
OPTION 4 Integral color with fiberglass pole/base, anodized arm	350,000 hrs (theoretical)**	50%	\$ 379,000.00
OPTION 5 Option 1 lighting units (Teutonia) Coach light with fiberglass pole (Bradley)	100,000+hrs	60%	\$ 291,000.00
OPTION 6 Option 1 lighting units (Teutonia) Option 4 lighting units (Bradley)	100,000+hrs 350,000 hrs (theoretical)**	65%	\$ 336,000.00
OPTION 7 Delete lighting (Teutonia) Option 4 lighting units (Bradley)	350,000 hrs (theoretical)**	84%	\$ 276,000.00
LED floodlight for Teutonia sign (adder)			\$ 1,500.00
METAL BANNERS (adder) - Options 1-4			\$ 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 48 sets of banners arms (for standard banners by Village), except as noted below.
3. No House side shield or spill light control assumed to be needed for LED luminaires (previously 5 had a shield).
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.

CLARIFICATIONS:

Option 5 - Coach lights would begin with units approx. 150ft west of Sherman and continue west (36 units), remaining will be standard type (similar to option 1 units). No banner arms on standard type lighting units.

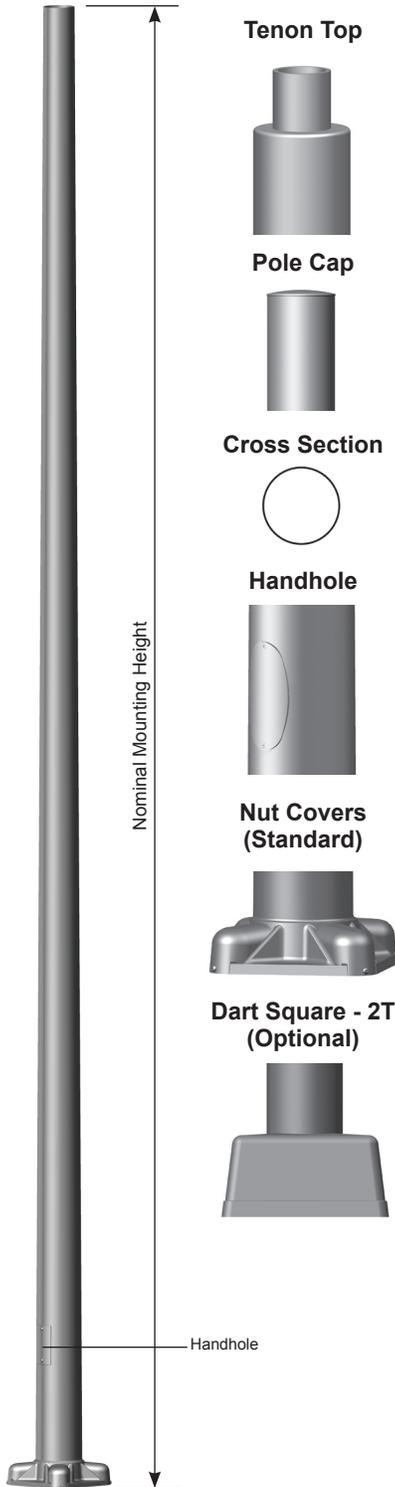
Option 6 - All lights on Teutonia (incl. Bradley intersection) would be standard type units (similar to option 1 units), remaining on Bradley (and Sherman) to be decorative (similar to option 4 units). No banner arms on standard type lighting units.

Option 7 - All lights on Bradley (incl. Sherman Rd and Teutonia intersection) to be decorative (similar to option 4 units), remaining lighting system on Teutonia to be removed.

Options 5 thru 7 - All lights to use lower output luminaires due to roadway classification change. Reduced option 1 standard and option 4 decorative lighting unit to 25ft mounting height (from 28ft mounting height).

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.

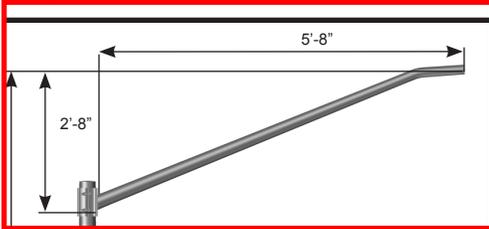
Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

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.

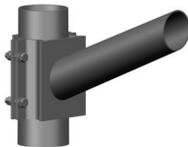
Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

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

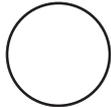
Pole Cap - Plastic



Arm Attachment



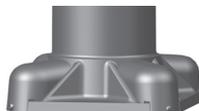
Cross Section



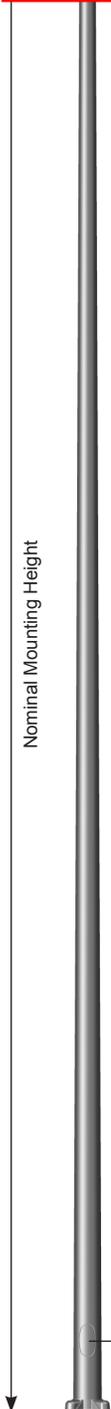
Handhole



Nut Covers

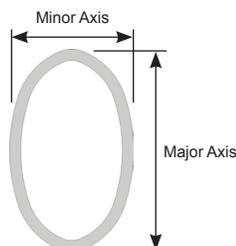


Nominal Mounting Height



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.



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)	PROJECTION (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 (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)								

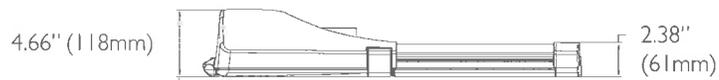
1. Model Number, Color and Pole Base OD required on all orders.
2. Additional information required when ordering separate from poles.

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

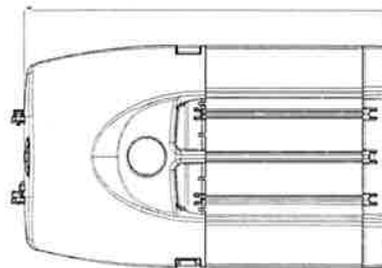
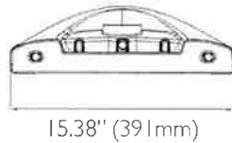
Project name		Type	
Date		Prepared by	
RVS	110W64ED4K	LE3	UNIV
Luminaire	Lamp	Optical system	Voltage
			Options
			Finish

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	System	Max. system	Weight		Length		EPA	
		Current		Lumens*	Watts	current (amps)	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

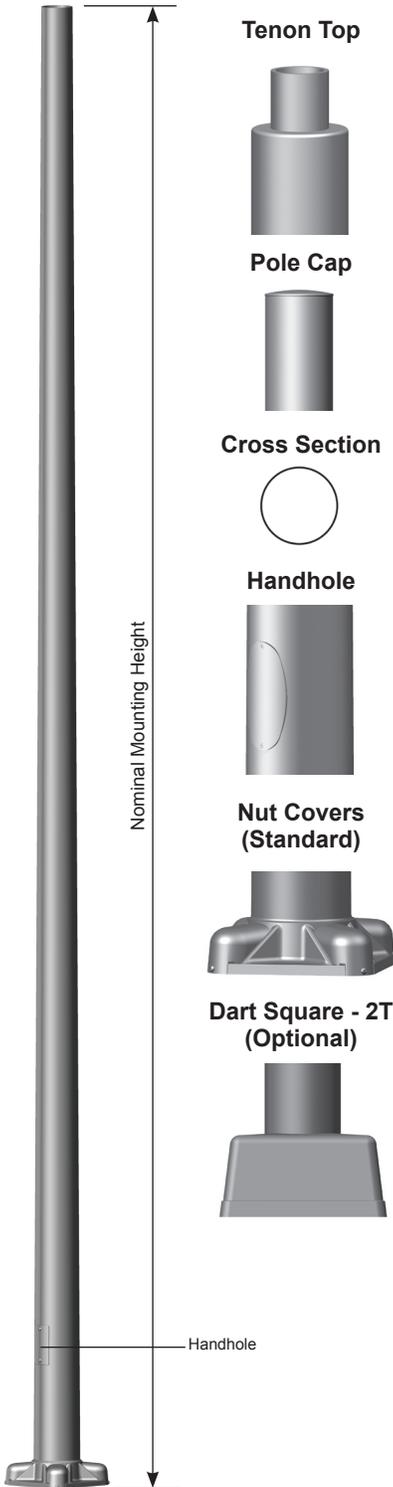
*For Type III distribution. See photometric files for other distributions.



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.

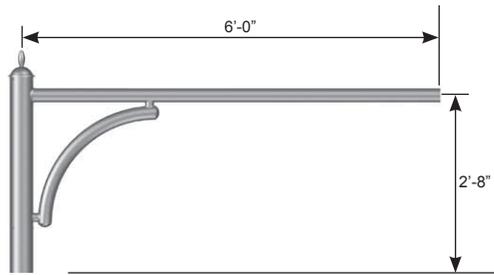
Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

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 SDB = 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.

SPC7334 04/09 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.



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)	PROJECTION (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 (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)								

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

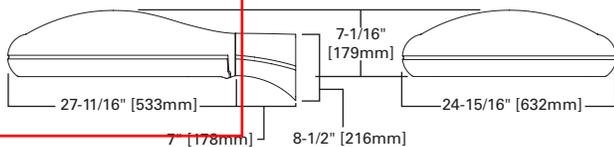
EPA

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

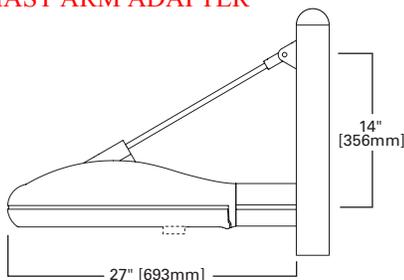
SHIPPING DATA

(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



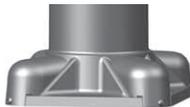
Tenon Top



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.

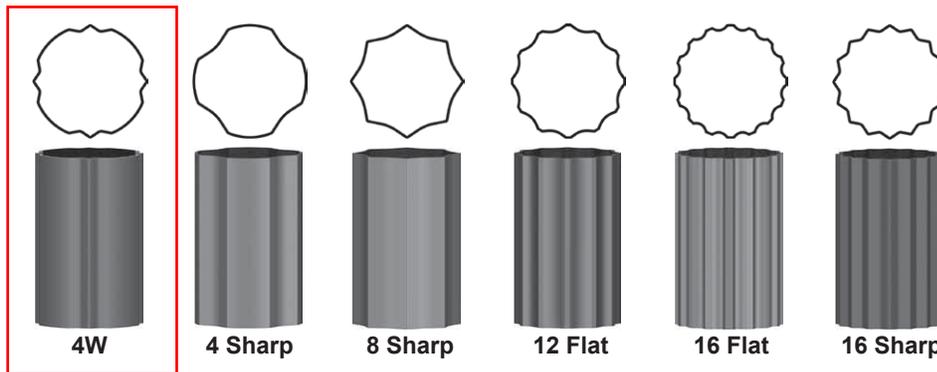
Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

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



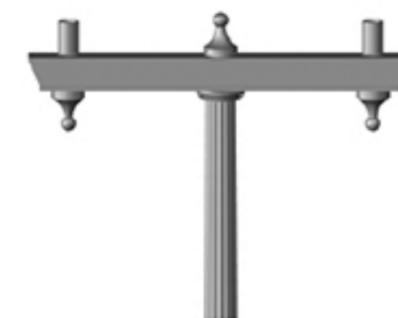
VISTA 4
SINGLE OR DOUBLE
ALUMINUM



WELLINGTON*
SINGLE OR DOUBLE
STEEL



WINDSOR*
SINGLE OR DOUBLE
~~STEEL~~
Aluminum



WOODBRIDGE
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)	PROJECTION (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.



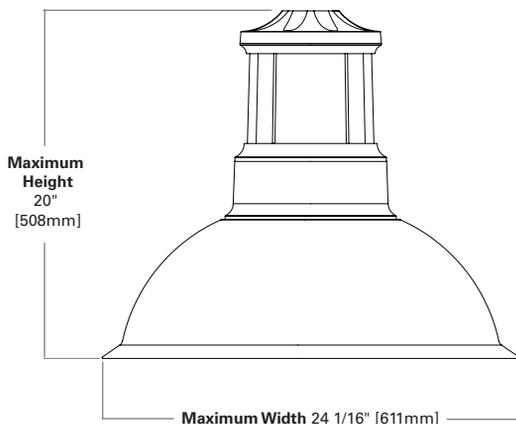
ECM EPIC CLASSICAL MEDIUM LED

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.



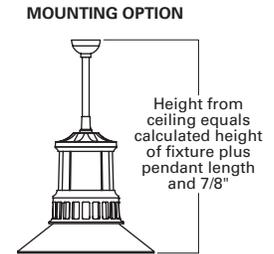
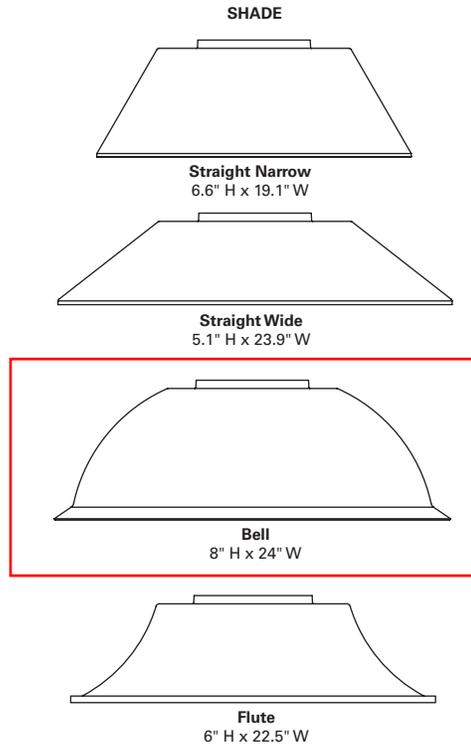
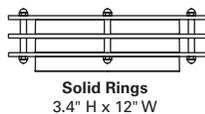
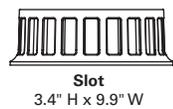
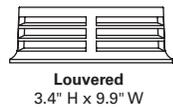
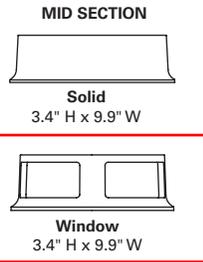
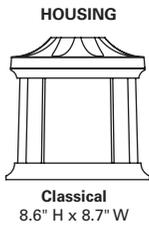
POWER AND LUMENS BY BAR COUNT

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
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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

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.

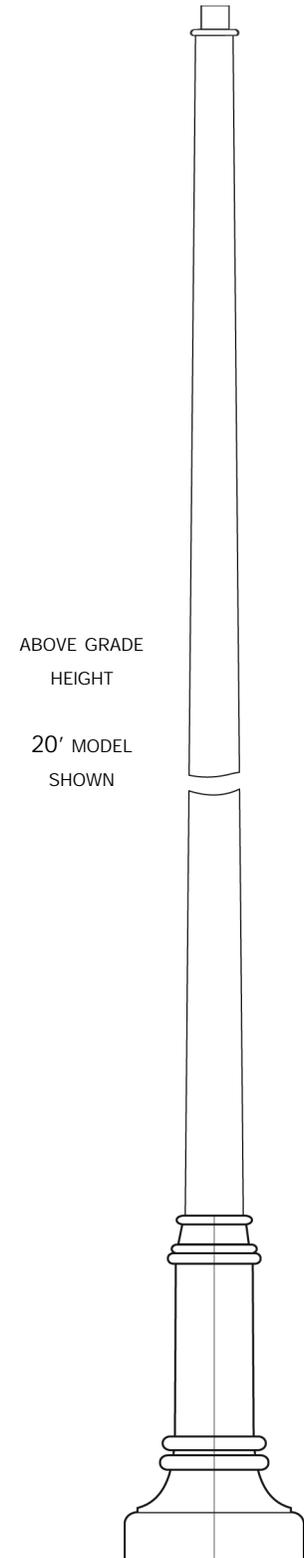
- Other accessories are shown on the Accessories specification sheet.

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.



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



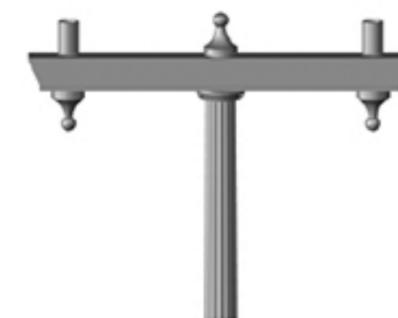
VISTA 4
SINGLE OR DOUBLE
ALUMINUM



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.

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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.



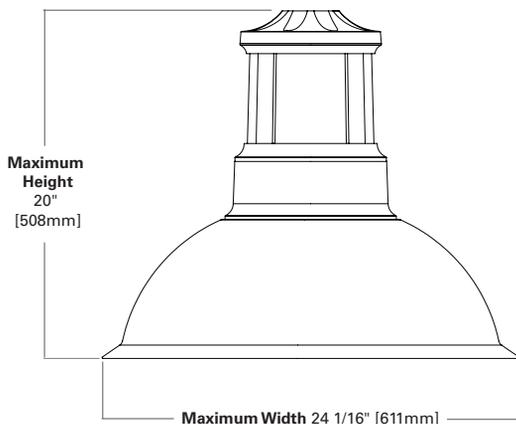
ECM EPIC CLASSICAL MEDIUM LED

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.



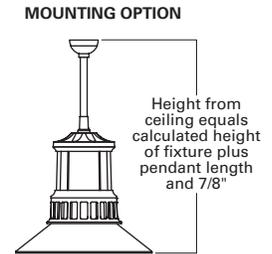
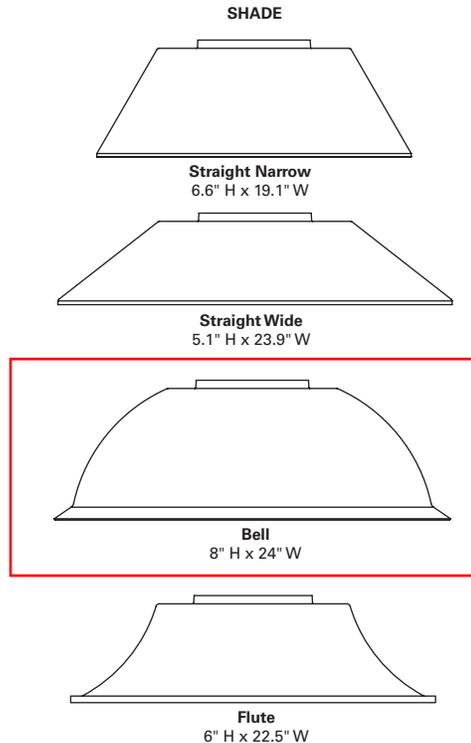
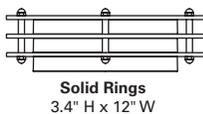
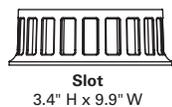
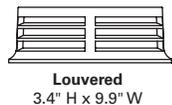
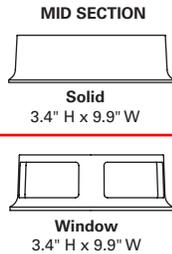
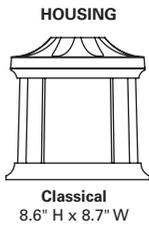
POWER AND LUMENS BY BAR COUNT

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
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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
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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

POLE **XO45**

TAPERED OCTAGONAL POLE 4.5 INCHES AT POST TOP

DECORATIVE BASE

D16M

- Octagonal, tapered XTREME® composite core, elastomeric clad urethane pole shaft
- Direct Embedded and Anchor Base models
- XTREME® elastomeric urethane base cover

Ordering Information

SAMPLE CATALOG NUMBER LOGIC

	B	C	D	E	F	G
XO45-D16M	12	AB	MTB	30	-30	R1
XO45-D16M	14	DE	HTG	40	-35	•
BASE & POLE DESIGN	ABOVE GRADE HEIGHT	INSTALLATION METHOD	COLOR	TENON O.D.	TENON HEIGHT	OPTIONS



B ABOVE GRADE HEIGHT

Cat No.	Description
6	6 feet/1.83M
7	7 feet/2.13M
8	8 feet/2.44M
9	9 feet/2.74M
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
20	20 feet

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" (178mm)

C INSTALLATION METHOD

Cat No.	Description
DE	Direct Embedded
AB	Anchor Base

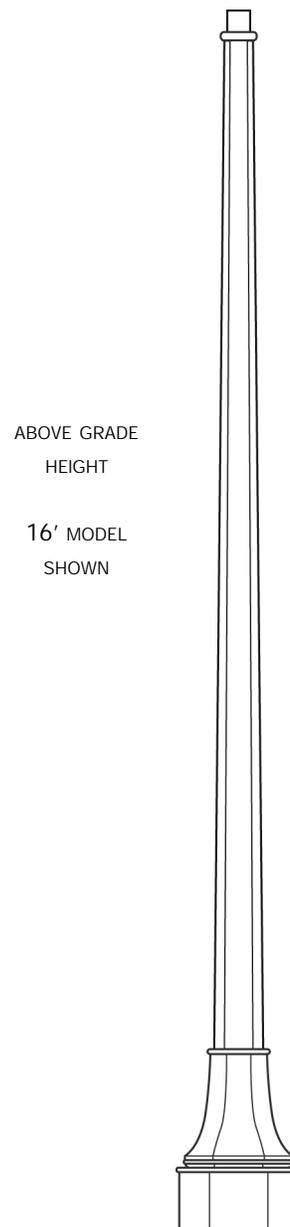
D COLOR

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.

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.

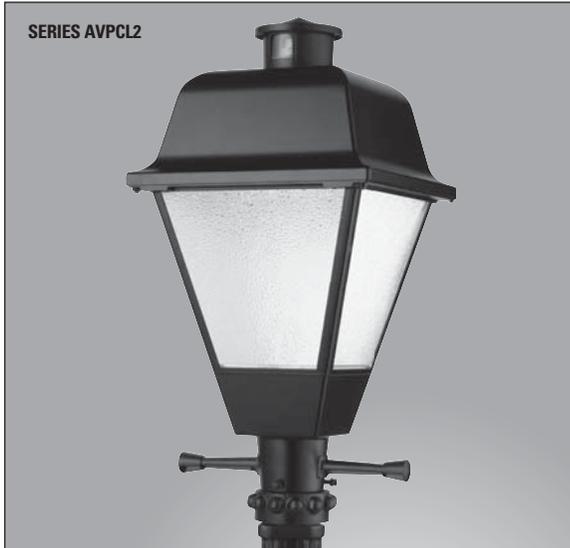


ABOVE GRADE HEIGHT
16' MODEL SHOWN

HEIGHT: 28"/710MM
BASE DIAMETER: 18"/460MM



PRODUCT OVERVIEW



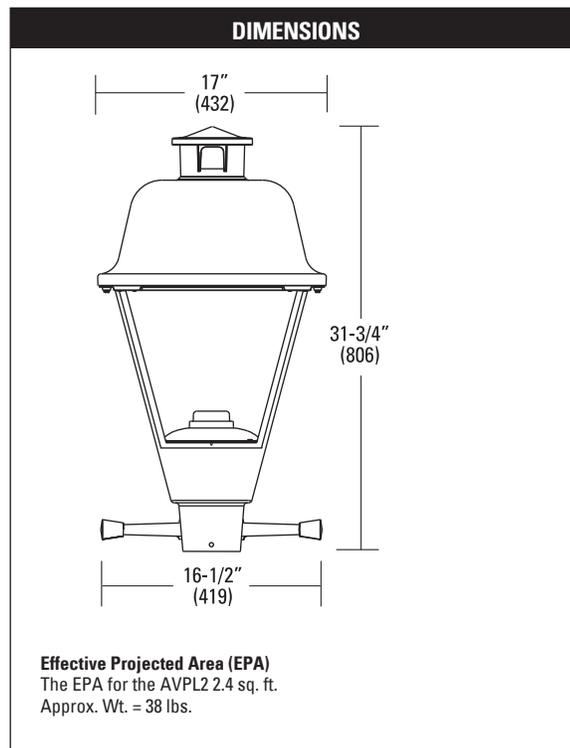
Features:

- Long-life platform: both the LED light engine and electronic multi-volt driver (120-277V) are rated
- 100,000 hrs at 25°C ambient (per LM-80)
- Surge protection device (standard) exceeds ANSI C62.41 Category C1 criteria (surge tested at 20kV/10kA)
- New DTL photocontrols for solid-state lighting (available with PCSS and PCLL options) complies with ANSI C136.10 criteria
- Downward lumens exceed that of a typical 150W HPS platform
- 3K, 4K and 5K CCT choices
- CSA listed at 30°C

NO LADDER REST

Applications:

Streetscapes
Walkways
Pathways
Parks



Valiant™ LED

Series AVPL2

ORDERING INFORMATION

Example: AVPL2 30LEDE10 MVOLT 4K R3 AY

Series	Performance Package	Voltage	Color Temperature (CCT)
AVPL2 Valiant LED	30LEDE10 30 Chips, 1000 mA Driver, 108 input watts 30LEDE70 30 Chips, 700 mA Driver, 68 input watts 20LEDE10 20 Chips, 1000 mA Driver, 72 input watts 20LEDE70 20 Chips, 700 mA Driver, 45 input watts 10LEDE10 10 Chips, 1000 mA Driver, 38 input watts 10LEDE70 10 Chips, 700 mA Driver, 25 input watts	MVOLT Multi-volt, 120-277V 347 347V 480 480V	3K 3000K 4K 4000K 5K 5000K

Distribution	Optics	Options	
R2 Type II R3 Type III R5 Type V	AY Acrylic (Prismatic) RNA Rain Panel Acrylic RNP Rain Panel Polycarbonate	<u>Paint</u> ¹ (blank) Black (standard) GY Gray DDB Dark Bronze WH White BZ Bronze <u>Photocontrol</u> (blank) NEMA Photocontrol Receptacle (standard) NR ² No Photocontrol Receptacle	<u>Miscellaneous</u> PCSS ^{4,5} Solid State Lighting Photocontrol (120-277V) PCLL ^{4,5} Solid State Long Life Photocontrol NL NEMA Label TL Tool-less Entry LDR ³ Ladder Rest SH Shorting Cap DE ⁷ ROAM Dimming Enabled DM ⁶ DM 0V-10V dimmable driver only (leads attached) HSB House Side Shield Black HSW House Side Shield White XL Not CSA Listed CR Enhanced Corrosion Resistant Finish SS Stainless Steel Hardware

Notes:

- Other colors available, please contact factory
- PC and SH not available with NR option
- Ships with unit, field installed
- Standard failure mode="Fail Off"
- Photocontrols supplied with ANSI Standard Turn-On levels
- DM not available for 30LEDE10 or 20LEDE10 with 480V
- Specifies a ROAM dimming enabled fixture with a dimming control module factory installed. NEMA photocontrol receptacle required. Additional hardware and services required. ROAM deployment must be purchased separately.



REQUEST FOR CONSIDERATION

COMMITTEE: Brown Deer Village Board
ITEM DESCRIPTION: 2015 IT Service Contract – Police Department/Village Hall
PREPARED BY: Chief Michael Kass
REPORT DATE: February 2, 2015
MANAGER'S REVIEW/COMMENTS: <input type="checkbox"/> No additional comments to this report. <input checked="" type="checkbox"/> See additional comments attached.
RECOMMENDATION: To approve the contracting of Information Technology services in amount of \$30,350 with CC&N N27 W23588 Paul Road, Pewaukee, WI 53072.
EXPLANATION: <p>In late 2014 the Village contracted with CC&N to create a virtual server system combining the Village Hall server in with the Police Department server, thus eliminating the Village Hall server altogether.</p> <p>Supporting the information technology that the Village has acquired far exceeds the knowledge and ability of any single employee. It's our recommendation that the Village enter into an Information Technology (IT) support agreement that places that responsibility onto trained professionals that specialize in the IT field.</p>



Village of Brown Deer Request for Proposal Information Technology Support

December 21, 2014

Proposal effective until January 1st, 2015

Prepared for:

Matt Janecke
Assistant Village Administrator
4800 W. Green Brook Drive
Brown Deer, WI 53223
mjanecke@browndeerwi.org

Submitted by:

James Wood
Systems Engineer
N27 W23588 Paul Road
Pewaukee, WI 53072
(262) 506-3186 – Office
(262) 523-0393 - Fax
jwood@cc-n.com



CC&N will Design, Implement and Manage custom solutions that are reliable, cost-efficient and founded in best practices. We integrate leading technologies to help drive performance and focus on accelerating your business results.

HEADQUARTERS
N27 W23588 Paul Road
Pewaukee, WI 53072
(262) 523-0299
(800) 944-1715
CC-N.com

1 Letter of Transmittal

1.1 Re. Village of Brown Deer Request for Proposal Information Technology Support

CC&N is pleased to submit the attached response to the above referenced Village of Brown Deer. We have responded to the requirements detailed in the RFP, and have provided a complete support solution, designed to assist your Village of Brown Deer team in enhancing its services for information technology support. Attached you will find pertinent and thorough responses with supporting information, which provides details and substantiates the statements we make.

We understand that you have dozens of options for obtaining software and hardware support to meet your needs. Our constant goal is to maintain the high standards for performance, expertise, and customer focus that will make us the best choice for you. We pay special attention to the training and certification of technicians on the technologies we represent in order to speed time to resolution for system problems and reduce down time. Hewlett Packard, Microsoft, and VMware are examples of products that are commonly used by our customers that we specialize in maintaining. CC&N takes responsibility for keeping you current with respect to hardware and software functions while always looking ahead to consider migration paths for advanced services.

In addition to outstanding personnel, we will utilize CC&N's network operations center to remotely monitor The Village of Brown Deer's network every day and all night. Should an error occur, we will have the critical information of what happened and what was the system state prior to trouble occurring. Armed with this information, our technicians will be able to focus their efforts on the cause of the problem rather than the symptoms of the issues.

The Scope of services proposed herein combines proactive monitoring, live support, and technology planning services.

Again, thank for the opportunity to submit a response to your RFP. I look forward to meeting with you again and discussing our services in greater detail.

Respectfully submitted,

James Wood

2 Profile of the Firm

2.1 CC&N's Culture

CC&N - Communications, Cabling, and Networking - is a Wisconsin-based, employee owned firm entering its twenty eighth year of business from offices in Brookfield, Madison, and Appleton. Our company offers expertise across both the physical and virtual elements of information technology, and in so doing has the capacity to optimally integrate those elements to provide our customers the best in performance and economy.

Our engineering and design perspective influences our approach to solutions development. For our customers it means a strong attention to detail and quality assurance. We employ the largest number of RCDD certified engineers in Wisconsin, and our experience and capabilities in design and implementation is unmatched. We represent a long list of technology providers such as HP, Juniper, Cisco, Microsoft, AVAYA, LifeSize, and others, acquiring an impressive list of certifications and levels of vendor status.

Our organization is lean and we pride ourselves on efficiency and customer focus. Over 80% of our workforce is customer facing, and the majority of those are technicians and implementation specialists. A large share of our business comes from other hardware and service providers who rely on our practical abilities and technical resources for the service and support of their own customers.

CC&N is proud to claim customers across a wide spectrum of industries and segments. Our client list includes some of the most well-known companies in the world, many of whom are international in scope. CC&N supports and services client devices on four of the seven continents and dispatches technicians to destinations worldwide. We are active in the local government space and have done repeat business with state, county, and municipal customers as well as the UW System.

Our experience gives us a very clear understanding of what's required to ensure maximum component and system performance, and minimal downtime. What differentiates us from other providers are our Live Response capabilities, and our ability to customize solutions to meet our customer's exact requirements. Our Live Response Center is vastly superior to simple alarm and alert methodologies. We engage live, trained technicians to react immediately to alarm conditions and customer inquiries. Rather than merely send an electronic notification when a condition exists, we actually make informed and active decisions based on protocols developed with our customers and on solid technical practices as dictated by our experience. Fast, professional, and accurate response to network and hardware conditions curtails problems and shortens the time to resolution giving you someone who you can actually talk to when a problem occurs.

2.2 CC&N's History

CC&N was founded in 1985. Two years later, in response to customer needs, on-site support services were added to the already growing communications capabilities. To this day, CC&N adheres to the same philosophy stated by founder, Dick Hettwer, who firmly believes: "Make the Customer successful and we will be successful." The ongoing success of our Managed Staffing services has resulted from our unique approach which focuses on specific factors addressed below:

- Diligent approach to selection of the right people who possess the specific abilities, skills and certifications to perform the required functions with excellence. Additionally, they are managed and coached according to career development plans and enjoy benefits and employee ownership advantages that cultivate pride and belonging. It's reflected in their performance.
- Detailed play-by-play documentation (CC&N's proprietary "Play Books" based on each customer's requirements) of position responsibilities and Service Level expectations supported by monthly reports that evaluate our performance to SLAs. We provide accountability for the services we provide. We intentionally plan our delivery, determine how we will keep score, and tailor our evaluation to what is needed to measure success and satisfaction.
- Flexibility in designing the solutions and the customer team. With each customer situation we consider the needs of our customers' business environment and culture. This flexibility is critical to a smooth, trusting relationship and allows responsiveness to changes within the customers' business.
- Regular and open communication in the mode and frequency that our customers prefer.
- Our team of people are focused on continuous improvement and continually look for opportunities to collaborate with our customers to be more efficient, be more cost effective and help them be more successful.

2.3 Services

In addition to the five key Managed Staffing Solutions described in our methodology, we have the distinct advantage of giving you a "total solution" resource benefit. By drawing on our design, implementation and management expertise in all services we provide, we bring depth and strength.

CC&N's core business and offerings:

Network Monitoring Suite

- *Unique CC&N-developed ARNOC™ network monitoring and triage system*
- *Alert notification with custom notification processes*
- *24-hour live support center*
- *Network performance and planning audits*

Data Network Solutions (Advanced Technology Force)

- *Microsoft Server, Desktop and Exchange 2007 implementations*
- *Data solutions*
- *Network device management*
- *VoIP and data network support*

Managed Staffing Solutions

- *Remote and onsite staffing support options – dedicated and part-time*
- *Network and server support, data center assistance, cabling/fiber support*
- *Needs assessment, project and process coordination, resource management*
- *Voice systems MAC repair, end-user support, project management and design*

Mobile Device Management Solutions

- *CommWatch™ 24-hour device management – cell phones, PDAs, pagers, Blackberries, Air Cards, Vocera badges*
- *Device ordering, repair, loaner and spare inventory management*
- *New user orientation and ongoing user support, onsite assistance, testing*
- *Invoice accuracy review/device records management/reports and SLAs*
- *iPad support and training*

Wireless Solutions

- *Infrastructure design and implementation, Wireless 802.11*
- *Wireless application surveys, solution design, access point placement*
- *RFID/RTLS implementation, Cisco and Nortel wireless design and support*
- *Trapeze® and Ruckus® wireless systems partner*

Business Video Conferencing

- *HD products meet rigorous U.S. government security, interoperability and performance requirements*
- *Best quality video and resolution — at most bandwidths, HD delivers 2-4x the performance of the competition.*
- *Highest quality at the lowest possible bandwidth and cost – up to 30 percent less than other solutions.*
- *Seamless integration into existing IP networks and communications environments, making deployment simple and efficient.*
- *Manage all video endpoints in the network, not just one brand.*

Connectivity Solutions

- *Initial needs assessment, RCDD site surveys, structured cabling layout*
- *System design, core drilling, rack installations, value-added engineering*
- *Cabling/fiber optic installation, project management, documentation, support*
- *Testing – industry, safety, code, manufacture and warranty specifications*
- *Cut-over coverage, moves/adds and changes, rewiring floors/buildings*
- *Service and emergency response – on call 24/7, 30+ service vans*

Voice Communication Solutions

- *Digital and IP voice systems/Nortel premium partner*
- *IP telephony and VoIP solutions*
- *Unified messaging solutions*
- *Maintenance, MAC and cabling support*

CC&N has a lengthy experience with all of Centers of Expertise:

Connectivity Solutions – 26 Years

Wireless Solutions - 15 Years

Business Video Conferencing – 24 Years

Voice Communication Solutions – 26 Years

Data Network Solutions – 16 Year

Network Monitoring Suite – 12 Years

Mobile Device Management Solutions – 10 Years

Managed Staffing Solutions - 25 Years

2.4 Staff Experience

Our pool of knowledge via technicians, engineers, project managers, technology professionals, administrative resources, and customer support specialists allows us to address needs well beyond the span of other competitors (Please see attached profiles in the Appendix Section). Along with infrastructure and voice and data communications hardware, we address network and environmental monitoring, 24-Hour Live Response support, business video conferencing, management of remote vendors and “feet-on-the-street” needs, VoIP, IP telephony, voice messaging and integrated messaging needs, large cell phone population support, wireless infrastructure, systems planning and performance. We are agnostic to what major voice platforms we can support, as our team expertise includes most major vendors such as Avaya, Nortel, Cisco and others. CC&N has an excellent reputation for quality, responsiveness, and good customer service. We have every confidence that we can provide the excellence and scope you require for your Information Technology needs within the timelines detailed in this RFP.

2.5 CC&N Locations

Pewaukee Headquarters
N27W23588 Paul Rd.
Pewaukee, WI 53072
(262) 523-0299
(800) 944-1715

Primary Service Location

Certified ATF Technicians - 9
Professional Staff – 76

CC&N Racine
1621 Renaissance Boulevard
Sturtevant, WI 53177
(262) 884-9184
(887) 884-9111

Secondary Service Location

Certified ATF Technicians - 5
Professional Staff - 21

CC&N Madison
4005 Felland Road, Suite F
Madison, WI 53718
(608) 243-1400
(888) 900-7417

CC&N Fox Valley
14 Tri Park Way, Building 2
Appleton, WI 54914-1658
(920) 830-6706
(877) 814-7049

2.6 CC&N's Government Experience

CC&N, by virtue of our culture, standards of quality, engineering heritage, and local presence, is favored by many local government, education, and medical customers. We provide information technology services, telecommunication service, cabling, and remote monitoring for cities, counties, the State of Wisconsin and the UW System. We have years of experience supporting the needs of government while working with and adhering to the processes required by these entities. A proper mix of thorough documentation, attention to detail, and cost efficiency has become the hallmarks of CC&N's government service offering.

2.7 CC&N's References

Brown Deer Police Department
Captain Robert Halverson
(414) 371-2900
rhalverson@bdpolice.org

Work contracted to date includes:

- Monitoring of service availability and performance of specified IP addresses and server services 24x7 through CC&N Live Response Center ("LRC").
- Proactive reviews of server event logs, Active Directory and server equipment for health and performance.
- Quarterly reviews of performance and planning with BDPD.
- Incident based troubleshooting equipment malfunctions and outages.
- Incident based troubleshooting connectivity and performance issues.
- Incident based troubleshooting and support for server core operating systems.
- Incident and problem management for server operating systems, file and print sharing, Active Directory, backup and antivirus applications and functionality.
 - Incident management and tracking.
- Responding to services requests generated by approved team members.
- Full access to CC&N's 24x7 Live Response Center.
- CC&N dispatching an on-site technician based on approved authorization by BDPD.

Milwaukee County
Laurie Panella
(414) 278-3978
laurie.panella@milwcnty.com

Milwaukee County is a long-time CC&N customer across multiple services including, voice, data, monitoring, and telecom administration. Our current services include:

- Telecom maintenance for over 8300 users.
- Support equipment at 8 sites.
- Phone hardware management, maintenance, and replacement.
- Quarterly preventative maintenance
 - Inspection and operability assurance
 - Level One maintenance (cleaning, labeling, etc.)
 - Consolidate boards
 - Off hours support

Gemini Cares
Gayle Petrilli
(262) 644-7480 x.113
gpetrilli@gemini-cares.com

Gemini Cares is a company which provides supportive home care, personal care, and respite care services to thousands of elderly and disabled people. CC&N provided support that met and support the critical needs of this emergency services provider:

- Help desk support.
- Overall data management.
- Engineered and installed hardware at headquarters.
- Provided security, monitoring, and help desk support at remote locations.

2.8 Additional References

Aurora Pharmacies Inc.
Wendy Schafer
VP of IT
(414) 647-3539

For over 25 years CC&N has enjoyed a continuing partnership with Aurora Healthcare, providing services, products, and expertise for everything from structured cable to voice and data communication needs. Our 25 years of success in supporting this customer is owed to our ability to meet the unique and critical demands of healthcare providers, and also to our local support and ability to respond to their needs. Aurora is a valued customer and we believe our personnel and services have played a critical role in their growth and success.

3 CC&N's Approach to the Engagement

3.1 Account Roles

CC&N takes a proactive approach servicing your IT network. From project design and consultation to current state monitoring, CC&N does not wait for the call for help. CC&N assists you in developing a plan to maintain your hardware and software and monitor the critical hardware that keeps you running. This means fewer service calls, predictable resource budgeting, and the ability to start troubleshooting errors the moment they occur.

3.11 Point of Contact Assigned to Village of Brown Deer

James Wood –

The Sales Engineer's role is first and foremost to understand your needs and find ways to satisfy them. The SE is the customer's advocate, ensuring that expectations are properly set and then exceeded. The SE helps qualify and define your needs, and then works with our network engineers to develop and execute a strategy to maintain your network hardware and software. Your SE will set up meetings to discuss and review the network's current state after the network audit and help you prioritize the changes. The SE will quote the requested projects and review the scope of work. Regular meeting, with your approval, to review the network and the relationship can be scheduled according to your needs and at your convenience. .

3.12 First Response Technicians Assigned to Village of Brown Deer

Andrew Miller –
Chris Finch –
Jonathan Stuner –

CC&N's first response personnel include a mix of or network monitoring technicians and our project engineers. The network monitoring technicians will provide level one support for the Village of Brown Deer either when authorized contacts call in and request it or when our network monitoring probes and sensors detect trouble. Our network engineers will be responsible for the current state system audit and the project work requested by the city.

3.13 Project Engineers Assigned to Village of Brown Deer

Aaron Cummings –

CC&N's project engineers will be utilized to implement hardware and software changes to the Village of Brown Deer Network.

3.14 Advanced Solutions Support Assigned to Village of Brown Deer Escalation

Mark Monfre –
Oleg Rodichev –

CC&N's advance solutions support will be utilized to trouble shoot network issues, advanced project implementation, and as backup to the village's regular service personnel.

3.15 Executive Team

Lisa Reardon President & CEO –
Bob Wolf Vice President of Technology –
Christine Adee Vice President of Finance –

CC&N's Executive team is always available to the Village of Brown Deer. Should there be any reason to escalate an issue beyond your regular account team of representative, engineers or technicians our executive team is available to meet, discuss your issues, and take action.

3.16 The rest of our Team

CC&N has expertise in all areas of network management. We have:

Cabling Designers / RCDD's
Voice Engineers
Video Conferencing Engineers
Wireless Engineers
CCTV and Access Control Designers

As the Village of Brown Deer's IT needs evolve, CC&N can support their needs for a broad range of technology needs.

3.2 Support Services

3.21 Onsite Services and Remote Services

- Live Response Center with 24x7x365 support. Live support typically enables near immediate response to events with Service Level Agreement (SLA) guarantees well within one hour response on critical cases, often within minutes.
- Server and network infrastructure support including maintenance, upgrades, patches, diagnosis and troubleshooting hardware/software failure.
- Desktop and laptop support that will include maintenance, upgrades, patches, diagnosis and troubleshooting hardware/software failure.
- When possible, support will be provided remotely over secure VPN connection to Village of Brown Deer and/or over the phone.
- End user support with response to service calls originated by the head of department or other authorized contact.
- The systems maintenance will be performed monthly during scheduled window upon Village of Brown Deer approval.
- Dedicated CC&N Support Engineer assigned to Village of Brown Deer for the purpose of project and resource planning.
- Expert analysis of reporting data and recommendations from CC&N Engineering team.

3.22 Systems Security and Current State Audit

- CC&N will conduct a system audit for the Village of Brown Deer of current network and server infrastructure.
- Our unique combination of experience and expertise gives us the ability to look at your system from a virtual and physical perspective, assessing structured cable, hardware, and programming.
- The hard copy report on the current system state will be provided to City Administrator.
- Village of Brown Deer network topology will be documented and diagram built
- Desktop and laptop hardware/software will be reviewed, assessed and documented.
- Server hardware/software will be assessed and evaluated.
- Active Directory Infrastructure will be documented and reviewed.
- The configuration files of network equipment will be saved for backup purposes.
- The backup process will be documented and reviewed for best practices.
- Our security audit will provide detailed information regarding security weaknesses due to patching, firmware, and configuration issues.
- All devices that are to be monitored will be configured for SNMP monitoring.
- CC&N will analyze collected data and findings and will provide report with recommendations for upgrades or modifications including projected costs and prioritization of projects.

3.23 Monitoring Provided by CC&N (24x7x365)

- Access to the Vision 5.0 web interface, customized to Village of Brown Deer specifications, that provides real-time network status and performance data overview.
- Network connectivity monitoring for IP based active devices over ICMP (ping).
- Device performance monitoring for SNMP capable devices.
- Monitoring of business critical applications for status and resource usage.
- Network bandwidth monitoring and Netflow based reporting on Netflow capable routers.

3.24 Notifications/Live Response Center (24x7x365)

- Automated informational and escalation notifications
 - Notifications delivered via email, cell page, voice call, and web.
 - Escalation alert acknowledgement via auto-attendant, Help Desk and web
 - Alert suppression based upon edge device outages.
 - "Unmanaging" of devices in reporting to prevent notifications on devices under maintenance approved by Village of Brown Deer.
- Access to 24x7x365 CC&N Live Response Center (LRC) with level 1 support.

3.25 Live Response Center Process (24x7x365)

- Proactive response, investigation and level 1 diagnostics and troubleshooting upon device outage detection.
- Open tickets with Village of Brown Deer service provider(s)/vendors upon detection of circuit outage.
- Live Response Center communications via email and/or voice call to Village of Brown Deer contacts via process and contact list defined by Village of Brown Deer.
- Ongoing communications to Village of Brown Deer on the device or circuit outage status and service provider updates.
- Escalation of emergency issues to level 2 Support Engineer after hours.

3.26 Remote Connectivity and Monitoring Setup

- The ARNOC will provide a Cisco Pix or ASA firewall to be installed for the purpose of creating a secure VPN connection to Village of Brown Deer to enable monitoring of the Village of Brown Deer network.
 - This firewall will remain the property of CC&N and must be returned to CC&N at customer expense if services are discontinued by the customer.
 - The secure VPN tunnel could be established to existing Village of Brown Deer hardware, if current network infrastructure and configuration allows such setup – that would be determined as the result of the system audit.
- Initial programming of SNMP and Netflow on Village of Brown Deer devices (ie. router, firewalls, switches and servers or other business critical SNMP capable devices) to enable monitoring will be done at the time of system audit.

3.27 Reporting (24x7x365)

- Real-time web based Vision reporting
 - Response time and packet loss reporting per device collected every 4 minutes.
 - SNMP based CPU, memory, disk space, volume/interface level reporting collected every 9 minutes.
 - Interface traffic and percent utilization, errors, discards, packets per second, multicast traffic collected every 9 minutes.
 - Customized interactive network mapping designed to Village of Brown Deer specifications.
 - Customized device grouping based upon business unit and/or location
 - Application Monitoring.
- Data retention for 365 days accessible via the Vision website.
- Real-time web based Netflow reporting.
 - Interface utilization reporting.
 - TCP/UDP port level and application utilization across monitored links.
 - Source and destination IP address for all data conversations across monitored links.
- Weekly reports on key metrics delivered via email to Village of Brown Deer.

- Utilization and trend reporting on key interfaces.
- Outage report by device, date, time and duration.
- Exception report of interfaces with excess utilization, errors or discards.
- Exception report of SNMP metrics with critical level utilization.
- Availability and Response Time Reporting.
- Analysis to uncover issues and provide potential resolutions.
- Netflow consolidated reports on key interfaces.
- Monthly or per request reporting on the number of service calls or worked on issues, nature of the call/issue and time to resolve/complete each case.

3.28 IT Services Requested

Initial Assessment – Compile/update inventory of all information technology related assets, assess system architecture and current processes, and make recommendations for improved IT system performance between Village Hall and the PD.

Desktop Applications Support - The chosen firm will work with Staff to manage the basic desktop support functions as they will be onsite for dedicated times throughout the week. Any critical desktop support functions outside of their dedicated times will be the responsibility of the chosen firm and should be quoted accordingly.

Server Administration Services - Managing computer systems, networks and associated hardware, software, communications, operating systems necessary for the quality, security, performance, availability, recoverability, and reliability of the system. Ensure scheduled preventive maintenance for equipment is properly and promptly performed; maintain the maintenance records on the equipment; develop operations, administrative, and quality assurance back-up plans and procedural documentation. Server performance and capacity management services with reporting when specified thresholds are reached. Configuration management, including changes, upgrades, patches, etc. Coordinate repair and maintenance work with contracted repair vendors and ensure repairs are conducted in a timely fashion.

Network Administration Services – Scope of activity includes all Village network equipment including switches, firewalls, routers, and other security devices. Primary maintenance including regular analysis, routine configuration changes, and installation of patches and upgrades. Alert notifications to designated Village personnel in the event of failure. Complete proactive monitoring of network equipment including bandwidth utilization, and other performance indicators, with reporting when specified thresholds are reached. Network performance and capacity management services, and network troubleshooting. Maintain network documentation and procedures.

Security – Maintenance of virus detection programs on Village servers, email and all other Village computers and laptops. Perform security audits as requested and notify Village personnel immediately of suspected breaches of security or intrusion detection. Configure Village system to enable remote access in a secure environment and provide remote access administration as requested by designated Village personnel. Strategic Planning – Engineering, planning, and design services for major system enhancements, including installations and upgrades of new or existing systems. Examples include major server upgrades, storage system upgrades, redesign of backup systems, etc. Provide technical leadership for server technology issues. Make recommendations for future purchasing and technology needs. Install new servers, software and hardware and transfer data when acquired. Strategic planning, design, and installation/upgrade of core network systems. Examples include major network upgrades, provider changes, IP schema redesign, installation of “core” network devices, etc.

3.29 Other Services Requested:

1. 24x7x365 Support with Service Level Agreement (SLA) 2 hour response time to critical cases.
2. Service and technical support escalation to hardware and software providers is solely at the expense of the service provider, not passed to the client under any circumstances.
3. Project planning and resource planning services included in the support plan.
4. Support to implement, plan, manage and execute software updates, upgrades, patches and ‘fixes’ included. All support work to be completed within change management windows designated by the client, which can exist anywhere within the 24x7x365 time window so as to cause the least disruption of services to village personnel.
5. Dedicated support team members exclusively used and identified for required DOJ security requirements, with required background checks including fingerprinting and criminal history checks.
6. Full remediation of any hardware failures. Village is responsible for the cost of parts, but all labor including troubleshooting of hardware faults is included in the support agreement.
7. Full remediation of any software failures, including operating system and applications regardless of their origin. All labor to rebuild, reinstall and support software failures is included in the agreement.

4 Offered Pricing for Information Technology Support for Village of Brown Deer:

4.1 Onsite Support & Network Monitoring

- IT Project Support provided on a per project quote basis.
- Systems Audit.
- Proactive 24x7x365 Network Monitoring and Live Response Center Support.

IT Project Installation Rates:

Systems Engineer Support M-F 7-5PM CST or pre-scheduled after hours support (on-site or remote)	\$100.00/hour*
Emergency Systems Engineer Support outside M-F 7-5 CST.....	\$150.00/hour**
Emergency Systems Engineer Support on CC&N Holidays.....	\$200.00/hour**
Emergency Trip Charge (Non-Scheduled Site Visits).....	\$300.00
Travel Charge:.....	\$50.00/hour*

* Billable in 30 minute increments

** Minimum 2-hour charge for Emergency Support

***CC&N Holidays: New Year, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday following Thanksgiving, Christmas Eve and Christmas Day

4.2 RFP Pricing Summary

*Network engineering and cost planning	\$3,600.00 per year
➤ Yearly IT Strategic Planning & Budgeting of suggested Improvements	
➤ Track and Budget IT Hardware & Software License & Support Agreements	
Annual Network Security & Asset Tracking Audit	\$2,750 per assessment
➤ (1) Security Risk Assessment	
○ 3 rd Party Audit of Network Security	
○ Reviews firewall and in network vulnerabilities	
➤ Includes Yearly Audit of IT Assets	
Network & Desktop troubleshooting and repair	\$24,000
➤ Includes Proactive Network Monitoring of 30+ Devices & Help Desk & Ticket Management Service (\$12,000 for the whole year)	
➤ 20 Hours per month of IT Support Remote & On-Site for 6 months (\$12,000)	
Village Of Brown Deer Server Migration to PD Virtual Network	\$3,250.00 project
➤ Includes Virtualizing Village's existing server licenses on PD Server	
➤ Includes (2) Cat 6 cables from PD to Village to Connect LAN's	
➤ Include configuration of Village VLAN on PD switches to enable separate network environments on same server	

* Network planning and engineering may yield projects requiring installation labor not included in contracted maintenance labors

Engineering, Security Audit, Yearly Monitoring, & 6 months Maintenance Contract **\$30,350.00**



REQUEST FOR CONSIDERATION

COMMITTEE: Brown Deer Village Board

ITEM DESCRIPTION: 2015 Squad Video Recording Systems

PREPARED BY: Captain Robert D. Halverson

REPORT DATE: February 2, 2015

MANAGER'S REVIEW/COMMENTS:

- No additional comments to this report.
- See additional comments attached.

RECOMMENDATION:

To approve the purchase of four (4) Panasonic Toughbook Arbitrator HD in squad video camera systems and installation in the amount of \$25,524.00 from BAYCOM, 2040 Radisson Street, Green Bay, WI 54302.

EXPLANATION:

The police department is completing the update to the in-squad video camera systems and in-squad computers from 2014 by replacing the remaining four squads with the camera units.

The current in-squad video systems were put in place in 2009 and are at the end of their recommended service life. The new camera systems have been greatly improved upon and are compatible with the new Windows 7 Panasonic Toughbook squad computers installed in 2014. The microphone reception is up to 1000 feet, which far exceeds the capability of the old system microphones. The new systems record in high definition, low light recordings are easier to see and much better quality. In addition, the new systems have their own modems, which increases the data transfer download speed and will be compatible with the new server system (approved and installed in 2014) and the BCC NetMotion transition. The upgrades are also necessary to maintain the in-squad computer technology as reasonably current for software, hardware and reasonable performance to accomplish the tasks this system is required to carry out.

In 2014, Panasonic Toughbook computer replacement quotes were received from three vendors and ultimately Baycom won the bid. In order to stay consistent with installation, repair and warranties from the computers and camera systems (which are integrated) installed by them in 2014, we are requesting to stay with Baycom to finish the project.

We are also requesting the purchase of the Panasonic Toughbook Arbitrator video systems because they would be consistent with what the officers are used to and past performance of Panasonic Toughbook computer and camera equipment has proven it to be reliable and dependable. Panasonic Toughbook Arbitrator video systems are also the preferred in-squad ruggedized video recording solution for numerous law enforcement agencies (Federal, State and local) across the country as well as compatible with all our current and anticipated future squad software and hardware to include the potential addition of body cameras without requiring a separate server.

In 2014 the department created its capital budget plan to allow the Squad Computer Replacement in 2015. Based upon that plan, \$30,000.00 was approved for this project.

Please see attached bid submission sheet. The price quoted reflects the State bid price.

BAYCOM

serious mobility
when it matters most

TIM COONEY
2040 RADISSON ST.
GREEN BAY, WI 54302
PHONE: 920-544-4282
FAX: 920-468-8615
EMAIL: tcooney@baycominc.com

BROWN DEER POLICE DEPT.
BRAD CADDOCK
4800 W. GREEN BROOK DR.
BROWN DEER, WI 53223
414-371-2930
1/6/2015
bcaddock@bdpolice.org

QUOTE NO. TC20150106Arev1

PRICING AND FINANCIAL OPTIONS SPECIFIC TO THIS OFFERING:
EQUIPMENT DETAILS AND PRICING

QTY	MODEL AND DESCRIPTION	UNIT PRICE	TOTAL PRICE
D.O.A. STATE CONTRACT # 11-20454-001			
4	ARBTR-KIT-360HD Panasonic Toughbook Arbitrator Panasonic Arbitrator Camera 1080p HD Camera Mount 25' Camera Cable Video Processing Unit (VPU) Cables 256GB SSD In-Car Microphone Digital Wireless Transmitter/Microphone Receiver GPS Module Front End Software	\$4,495.00	\$17,980.00
4	HD Back Seat-Rear Facing Camera w/Audio	\$439.00	\$1,756.00
OPTIONS:			
1	Crash Sensor: \$252.00 each	\$252.00	\$252.00
	Siren Interface Cable: \$35.00 each		
4	Add Integrated Wireless Upload Module: \$300 ea	\$300.00	\$1,200.00
4	Add Wireless Upload Antenna: \$149.00 each	\$149.00	\$596.00
	Spare Wireless Mic with AC Desktop Charger: \$415.00 each		
	2nd Bay 256GB SSD Drive: \$485.00 each		
	SSD Card Reader: \$349.00 each		
1	360 Back End Software	Included	Included
4	Vehicle Installation	\$665.00	\$2,660.00
SOFTWARE MAINTENANCE AGREEMENT OPTION:			
This maintenance package includes unlimited helpdesk support and unlimited software updates and upgrades. Pricing does not include on-site visit, travel time or labor to install upgrades or updates. The charge for your organization's annual maintenance is based on the total number of VPUs in use. The annual charge will be adjusted based on additional units purchased during the previous agreement term.			
4	(1) Year Maintenance Package: \$270.00 per VPU	\$270.00	\$1,080.00

SOFTWARE INSTALLATION AND TRAINING OPTIONS:

Note: These software installation packages can be tailored to meet your specific needs. Additional days or follow up visits for refresher training or re-configuration are available.

Quick Start Program - provides for installation of backend server software, front end laptop software, configuration and training.

EQUIPMENT COST: \$25,524.00
SHIPPING: Included

Payment With Order: Net 10 Day
Quotation Good Throughout 2015

Approved By:  #302
Your Signature IS An Agreement To Purchase And An Acceptance Of The Above Terms
All of the information listed on this proposal is confidential and proprietary information.
If You Have Any Questions Please Contact Tim Cooney at (920) 544-4282





Committee/Board/Commission Reappointment Form

Thank you for your involvement with the Village of Brown Deer. To assist in processing your reappointment, please complete the top section of the form and sign. To offer additional comments, feel free to complete any other lines on the form. As you may recall, the Village President recommends all citizen appointments to the Village Board of Trustees for approval. Any information provided may further support your reappointment.

Name: (as you like to be addressed) *Matt Patrick*
Address: *8541 N. 63rd St Brown Deer* Phone No.: *414-897-2933*
E-Mail: *MjPatrick28@gmail.com* Years as Brown Deer Resident: *10*
What Village committee(s) are you currently serving on? *4th of July Comm. Hec*
Would you like to be re-appointed? (circle one) Yes No

Signature:

MP-L

Date:

1/21/15

Applicant information is subject to public release under state law.

Optional additional information:

Why are you interested in serving with this particular group:

To help maintain and preserve the integrity of this cherished community event

Qualifications for serving on this group:

Financial Background, Fiscally Responsible

Other Community Involvement:

Brown Deer Junior Baseball

Occupation / Employer: *US Bancorp*

Family Details: *Fiancee 3 children*