AGENDA
OF THE CITY COUNCIL
CITY OF EAST GRAND FORKS
TUESDAY, JULY 7, 2020 – 5:00 PM

CALL TO ORDER:

CALL OF ROLL:

DETERMINATION OF A QUORUM:

PLEDGE OF ALLEGIANCE:

APPROVAL OF MINUTES:

1. Consider approving the minutes of the “Regular Council Meeting” for the East Grand Forks, Minnesota City Council from June 16, 2020.

2. Consider approving the minutes of the “Work Session” for the East Grand Forks, Minnesota City Council from June 23, 2020.

3. Consider approving the minutes of the “Special Meeting” for the East Grand Forks, Minnesota City Council from June 29, 2020.

SCHEDULED BID LETTINGS: NONE.

SCHEDULED PUBLIC HEARINGS: NONE.

CONSENT AGENDA: NONE

Items under the “Consent Agenda” will be adopted with one motion; however, council members may request individual items to be pulled from the consent agenda for discussion and action if they choose.

ACKNOWLEDGE RECEIPT OF REPORTS OF OFFICERS, BOARDS AND COMMISSIONS:


COMMUNICATIONS: NONE

OLD BUSINESS: NONE

NEW BUSINESS:

5. Consider awarding the 2nd Avenue NE street repair to Opp Construction for a total of $49,992.30.

6. Consider awarding the Police Department Door Access, Holding Cell, and Fire Alarm systems update

Individuals with disabilities, language barriers or other needs who plan to attend the meeting and will need special accommodations should contact Nancy Ellis, ADA Coordinator at (218)-773-2208. Please contact us at least 48 hours before the meeting to give our staff adequate time to make arrangements. Also, materials can be provided in alternative formats for people with disabilities or with limited English proficiency (LEP) by contacting the ADA Coordinator (218)-773-2208 five (5) days prior to the meeting.
to Electro Watchman for a total of $95,145.40.

7. Consider approving the Joint Use Agreement between the City of East Grand Forks and Independent School District 595 for community use of outdoor recreational facilities.

8. Consider approving the request to purchase four slides and one rope ladder for Sherlock Park from Play by Design for a total of $13,721.00 which does include freight.

9. Consider adopting Resolution No. 20-07-44 appointing election judges for the 2020 Primary and General Elections.

10. Consider adopting Resolution No. 20-07-45 approving the formatting to the ballot question for the proposed revisions to the city charter.

CLAIMS:

11. Consider authorizing the City Administrator/Clerk-Treasurer to issue payment of recommended bills and payroll.

COUNCIL/STAFF REPORTS:

ADJOURN:

**Upcoming Meetings:**
- Work Session – Tuesday, July 14, 2020 – 5:00 PM
- Regular Council Meeting – Tuesday, July 21, 2020 – 5:00 PM
- Work Session – Tuesday, July 28, 2020 – 5:00 PM
- Regular Council Meeting – Tuesday, August 4, 2020 – 5:00 PM
CALL TO ORDER:

The Council Meeting of the East Grand Forks City Council for Tuesday, June 16, 2020 was called to order by Council President Olstad at 5:00 P.M.

CALL OF ROLL:

On a Call of Roll the following members of the East Grand Forks City Council were present: Mayor Steve Gander, Council President Mark Olstad, Council Vice-President Chad Grassel, Council Members Clarence Vetter, Dale Helms, Tim Riopelle, Tim Johnson, and Marc DeMers.

DETERMINATION OF A QUORUM:

The Council President Determined a Quorum was present.

PLEDGE OF ALLEGIANCE:

APPROVAL OF MINUTES:

1. Consider approving the minutes of the “Work Session” for the East Grand Forks, Minnesota City Council from May 26, 2020.

2. Consider approving the minutes of the “Special Council Meeting” for the East Grand Forks, Minnesota City Council from May 29, 2020.

3. Consider approving the minutes of the “Regular Council Meeting” for the East Grand Forks, Minnesota City Council from June 2, 2020.

4. Consider approving the minutes of the “Work Session” for the East Grand Forks, Minnesota City Council from June 9, 2020.

A MOTION WAS MADE BY COUNCIL MEMBER GRASSEL, SECONDED BY COUNCIL MEMBER RIOPELLE, TO APPROVE ITEMS ONE (1) THROUGH FOUR (4).

Voting Nay: None.

SCHEDULED BID LETTINGS: NONE.

SCHEDULED PUBLIC HEARINGS: NONE.
CONSENT AGENDA: NONE

Items under the “Consent Agenda” will be adopted with one motion; however, council members may request individual items to be pulled from the consent agenda for discussion and action if they choose.

ACKNOWLEDGE RECEIPT OF REPORTS OF OFFICERS, BOARDS AND COMMISSIONS:


COMMUNICATIONS: NONE

OLD BUSINESS: NONE

NEW BUSINESS:

6. Consider to approve the rejection of the quote for the 2020 City Project No. 3 ADA Improvements and Bus Shelter Replacement.

A MOTION WAS MADE BY COUNCIL MEMBER VETTER, SECONDED BY COUNCIL MEMBER RIOPELLE, TO APPROVE THE REJECTION OF THE QUOTE FOR THE 2020 CITY PROJECT NO. 3 ADA IMPROVEMENTS AND BUS SHELTER REPLACEMENT.

Council member DeMers asked if the affirmative rejects the quote. Council President Olstad said that was correct.

Voting Nay:  None.

7. Consider adopting Resolution No. 20-06-41 ordering improvement and preparation of plans and specifications for improvements to Demers Avenue and Business Highway 2 utilizing the Minnesota Department of Transportation Local Partnership Program.

A MOTION WAS MADE BY COUNCIL MEMBER VETTER, SECONDED BY COUNCIL MEMBER RIOPELLE, TO ADOPT RESOLUTION NO. 20-06-41 ORDERING IMPROVEMENT AND PREPARATION OF PLANS AND SPECIFICATIONS FOR IMPROVEMENTS TO DEMERS AVENUE AND BUSINESS HIGHWAY 2 UTILIZING THE MINNESOTA DEPARTMENT OF TRANSPORTATION LOCAL PARTNERSHIP PROGRAM.

Council member Helms asked if meant the project will be done or if this is just entering into the partnership for plans. Council President Olstad said nothing was being awarded and this was just ordering the plans and specifications for the project.

Voting Nay:  None.
8. Consider adopting Resolution No. 20-06-42 approving the year-end transfers for budget year 2019.


Voting Nay: None.

CLAIMS:

9. Consider authorizing the City Administrator/Clerk-Treasurer to issue payment of recommended bills and payroll.

A MOTION WAS MADE BY COUNCIL MEMBER JOHNSON, SECONDED BY COUNCIL MEMBER RIOPELLE, TO AUTHORIZE THE CITY ADMINISTRATOR/CLERK-TREASURER TO ISSUE PAYMENT OF RECOMMENDED BILLS AND PAYROLL.

Voting Nay: None.

COUNCIL/STAFF REPORTS:
Mayor Gander thanked Mayor Michael Brown for his 20 years of service to the area. He stated Mayor Brown is a true public servant and patriot. He commented how at public functions people walked up to him and thank him for delivering their baby and the community is a better place from Mayor Brown’s leadership and service. He added he is looking forward to forming a great relationship with Mayor-elect Bochenski. He stated how he likes his energy, enthusiasm, and he has many life experiences to be effective as a mayor, playing a team sport at the professional level is great training for public service, and his knowledge of real estate will prove to be invaluable in helping community development. He added how he plans on meeting with him soon. Mayor Gander thanked Mr. Stordahl and the staff at Public Works for the work they did during clean up week.

Council Member Helms said he went to lunch at the Boardwalk on the deck, it was an awesome view, and suggested others check it out.

Council Member Riopelle said it seems they will be opening the pool at the right time. Council President Olstad said it was going to be open on Friday.

Council Vice-President Grassel said he had reached out to Mr. Murphy and Mr. Galstad and told the Council they need to start thinking about the local businesses being handcuffed, that everything is open on the other side of the bridge, and there are businesses that are struggling. He asked if there was something that would allow them to open up before the Governor’s timeline, they are at a disadvantage, and Moorhead has done a few things so they need to look into this to help them out. He asked if there were any legal answers for what could and could not be done. He also asked to have this included on an upcoming special meeting. Mayor Gander said they can look and see what other border cities have done and asked for staff to look into that.
Council Member DeMers asked when there are accounts on a resolution to include a description of what they are or include an attachment of what the accounts are. Ms. Anderson said this only comes before the Council once a year but she will make sure it is included next time. Council member DeMers requested this be done any time there are accounts on a resolution.

Council President Olstad thanked Mr. Huttunen and staff for all of the work they did to get the pool up and running. He said Friday will be the start date and staff has been hired.

Mr. Galstad stated he would look into Council Vice-President Grassel’s request but doesn’t think they can do much to override the Governor.

Mr. Huttunen said it was announced on social media the pool would be opening on Friday afternoon starting at 1pm. He explained the capacity that will be allowed following the order from the State is 50% or whatever number is smaller so they will be starting with 200 in attendance, phase four might allow for that number to increase, and they will see if there is enough space once the pool opens. He added how 200 was the usual attendance on a normal day so this should allow them to operate smoothly. He stated they added more time in between sessions to allow for disinfecting. He added the last day to register for summer activities was the coming Sunday, they were at 50% of capacity, and he was hoping they would be seeing more spaces fill up by the deadline.

ADJOURN:

A MOTION WAS MADE BY COUNCIL MEMBER JOHNSON, SECONDED BY COUNCIL MEMBER GRASSEL, TO ADJOURN THE JUNE 2, 2020 COUNCIL MEETING OF THE EAST GRAND FORKS, MINNESOTA CITY COUNCIL AT 5:11 P.M.

Voting Nay: None.

_______________________________________________
David Murphy, City Administrator/Clerk-Treasurer
CALL TO ORDER:

The Work Session of the East Grand Forks City Council for Tuesday, June 23, 2020 was called to order by Council President Olstad at 5:00 P.M.

CALL OF ROLL:

On a Call of Roll the following members of the East Grand Forks City Council were present: Mayor Steve Gander, Council President Mark Olstad, Council Vice-President Chad Grassel, Council Members Clarence Vetter, Dale Helms, Tim Riopelle, Tim Johnson, and Marc DeMers.

DETERMINATION OF A QUORUM:

The Council President Determined a Quorum was present.

1. Consider Street Repair to 2nd Avenue NE – Jason Stordahl

Mr. Stordahl explained there was a big dip in the street on 2nd Avenue by the floodwall and last year this project was awarded to Opp Construction who was unable to be completed the project due to the wet fall. He said over the last few months there was additional settling and more work has been added to the proposed project, which includes sidewalk, trail, and catch basin work. He stated quotes were requested and two were received from Opp Construction and the Strata Corporation. He explained there was a big difference between the two quotes, he was recommended awarding this project to Opp Construction, and asked if there were any questions. Council member Vetter said there was no compaction included in the bids and asked if that would be done. Mr. Stordahl said it was required on all projects so it would be done with this project.

This item will be referred to a City Council Meeting for action.

2. Request to Update Door Access, Holding Cells, & Fire Alarm System – Michael Hedlund

Chief Hedlund reminded the Council this was brought up during the budget process last year, he was trying to get updated numbers for replacement, and they were not able to get accurate numbers for all of the projects. He explained that he and the IT staff decided to move forward with requesting quotes from three companies including Johnson Controls since they had installed the current system. He said he did not receive anything back from Johnson Controls for this project. He added HB Sound and Light and Electro Watchman received the same information but HB Sound and Light did not include any information on the replacement of the fire alarm panel but did provide information on the other two items.

Chief Hedlund said Electro Watchman was the only one that turned in a complete quote so he would request to move forward with awarding this job to Electro Watchman. He explained there were no funds
budgeted to replace the system for the holding cells but some projects have been pushed off to 2021 so there were funds available in the building maintenance fund to cover this part of the project. He stated he talked with Chief Bouchee about the fire alarms system and because they have the jail area, they would be required to have a fire alarm system in the building. He recommended going with the lower cost for the fire alarm monitoring and system, he would be working with the IT Department if phone lines needed to be added, and asked if there were any questions.

Council member DeMers thanked Chief Hedlund for all of the work he had done on this, he supported the project, and the only caveat is he would like to make sure this system was expandable. He stated they might be able to use this system to improve the access control throughout the city. He asked to have Mr. Thompson look at this to see if that was a possibility. Chief Hedlund told the Council Mr. Kovar was present when the vendors came and was able to get good information from them. He added they can look into that and they were told by Electro Watchman their system can be expanded upon and it could be upgraded if needed. He added they could be adding additional buildings on to the system and it would be better for security. Council President Olstad said the information stated it could go up to 128 portals allowing for expansion and asked them to find out what the costs would be if more doors were added.

This item will be referred to a City Council Meeting for action.

3. Consider Approval of Facility Joint Use Agreement – Reid Huttunen

Mr. Huttunen informed the Council that the City and the public school have never had a written agreement in place for the use of outdoor spaces such as the ball fields and parks. He explained they have come up with the joint use agreement to cover the use of the different facilities and it covers the facilities of the school that the City uses or the facilities of the City that the school uses. He added there would not be any financial considerations with this agreement, things would continue to operate as they always have, and when the City uses the ball fields the City maintains the field and it would be the same for when the school uses the field. He asked for this agreement to be approved.

Council member DeMers said this looks like a good agreement and suggested this is done with Sacred Heart for the areas they use. He asked if they should also have a hold harmless or any type of a liability need. Mr. Huttunen said the hold harmless was included on the third page of the agreement and this agreement had been drafted by Mr. Galstad so he would also be able to clarify. He added there was not anything in writing with Sacred Heart so he would be looking to getting that done as well. Mr. Galstad said he had previously drafted an agreement for Sacred Heart but for whatever reason it was not entered into so he will look into that again.

3. OTHER:

Council member Helms asked what the issue was with the kitty pool. Mr. Huttunen explained the assumption is a section of the pipe did not drain properly and froze over the winter because it had exploded. He stated he thinks they found 99% of the problem, had it repaired, and there is now an attachment that will allow them to blow the water out of the pipes at the end of the season. He added this should not be an issue again and it was a similar repair to main pool. He told the Council there was one section of the waiting pool that was not repaired yet which is where the fish blow water out of their mouths, this area will not hold air pressure, and they will wait until the end of the season to get that fixed. He stated the concrete work was completed that afternoon the pool was going to be filled the next day. Council member Helms asked who blew the system out. Mr. Huttunen said it was not blown out because it was designed
to be a gravity-drained pool, there were no ports included to blow out the lines, and something changed for the pipe to hold the water. Mayor Gander suggested abandoning the current lines and come in a new way so they leave the liner alone. Mr. Huttunen said they were working with Lunseth on this project, the camera was too big to get down the one-inch PVC line, and right now it is capped until they can find a camera to determine where the issue is and keep the repair area as small as it can be.

Council member DeMers asked if they could get an updated timeline on the charter. Council President Olstad stated there was going to be a special meeting on Monday night to discuss and vote on the charter. Mr. Murphy said if there were any questions to get them to him by 10am on Friday. Council member DeMers asked what version this should be. Council President Olstad stated it was the final version. Mr. Murphy said there were a couple typos but it should be in is final form. Mayor Gander stated the Charter Commission held a special meeting the night before and they will be looking for an up and down vote from this document because of the timeline they are working with.

Council member Johnson asked when the crosswalks were going to be painted. Mr. Stordahl said it should be shortly because they should be reaching out to him around July 6th.

ADJOURN:

A MOTION WAS MADE BY COUNCIL MEMBER GRASSEL, SECONDED BY COUNCIL MEMBER JOHNSON, TO ADJOURN THE JUNE 23, 2020 WORK SESSION OF THE EAST GRAND FORKS, MINNESOTA CITY COUNCIL AT 5:18 P.M.

Voting Nay: None.

_______________________________________________
David Murphy, City Administrator/Clerk-Treasurer
UNAPPROVED MINUTES
OF THE SPECIAL MEETING
CITY OF EAST GRAND FORKS
MONDAY, JUNE 29, 2020 – 5:00 PM

CALL TO ORDER:

The Special Meeting of the East Grand Forks City Council for Monday, June 29, 2020 was called to order by Council President Olstad at 5:02 P.M.

CALL OF ROLL:

On a Call of Roll the following members of the East Grand Forks City Council were present: Council President Mark Olstad, Council Vice-President Chad Grassel, Council Members Clarence Vetter, Dale Helms, Tim Riopelle, and Tim Johnson.

DETERMINATION OF A QUORUM:

The Council President Determined a Quorum was present.

1. Discussion on revisions to City Charter.

Council President Olstad said Council member Vetter had asked to have something added back in and if that happened. Mr. Galstad said it was under section 6.14 regarding the bidding process and it was put back in the charter. Council member Vetter said he saw it had been added back in. Council President Olstad asked if Council member Vetter had any other questions or comments. Council member Vetter asked if the grammatical items had been corrected that Council member DeMers had mentioned and how having the mayor in charge of the police chief does seem like an antiquated system because the city administrator is in charge of all of the department heads so it would be logical step to change it so it is the same as the others. Council President Olstad said there was lots of discussion about this, what has been set up is a hybrid situation, they did leave the mayor position to oversee the police department but the City Administrator would oversee the day to day operations with the police chief.

Mr. Murphy said section 4.06 does state the city administrator would oversee the daily functions of the police chief. Council member Vetter said section 4.09 makes an exception for the police chief and asked if that needed to be changed because it contrary to the other section. Council President Olstad said it was stated that way because the police chief position has its own section. Mr. Murphy said that was correct. Council President Olstad asked if there was anything else. Council member Vetter said he did not have anything. Mr. Murphy reminded the Council he had emailed out a list of grammatical errors that had been corrected based on what was sent to him by the Council and Charter Commission.

Council member Helms asked Chief Hedlund if he was okay with what is being brought forward. Chief Hedlund said he was comfortable with this new and his biggest concern when this started was how he was reporting to the City Administrator on a day to day basis because. He added he doesn’t 100% agree with the logic of having the mayor as the head of the department but he does not have a problem with how things are set up now. Council Vice-President Grassel did not have any questions. Council member Johnson did not have any questions. Council member Riopelle did not have any questions.
2. Consider approving revisions to City Charter.

Council President Olstad moved on to Resolution 20-06-43.

**A MOTION WAS MADE BY COUNCIL MEMBER GRASSEL, SECONDED BY COUNCIL MEMBER JOHNSON, TO ADOPT RESOLUTION NO. 20-06-43 APPROVING THE REVISIONS, ADDITIONS, AND CORRECTIONS AND SUBMIT THE INFORMATION TO THE COUNTY TO BE PLACED ON THE BALLOT AT THE GENERAL ELECTION.**

Voting Aye: Olstad, Grassel, Vetter, Helms, Riopelle, and Johnson.
Voting Nay: None.
Absent: DeMers.

**ADJOURN:**

**A MOTION WAS MADE BY COUNCIL MEMBER JOHNSON, SECONDED BY COUNCIL MEMBER VETTER, TO ADJOURN THE JUNE 29, 2020 SPECIAL MEETING OF THE EAST GRAND FORKS, MINNESOTA CITY COUNCIL AT 5:10 P.M.**

Voting Aye: Olstad, Grassel, Vetter, Helms, Riopelle, and Johnson.
Voting Nay: None.
Absent: DeMers.

__________________________
David Murphy, City Administrator/Clerk-Treasurer
Minutes of the regular meeting of the Water, Light, Power and Building Commission of the City of East Grand Forks, Minnesota on June 3, 2020 at 8:00 a.m held remotely due to the COVID 19 virus pandemic and pursuant to MN Statutes 13D.02, 13D.021 and 13D.04.

Present: Quirk, Grinde, Beauchamp
Absent: DeMers

Also present: Keith Mykleseth, Ron Galstad, Brian Johnson, Jeff Olson, Steve Emery, Todd Forster, Brianna Feil, Kevin Hatcher, and Corey Thompson.

It was moved by Commissioner Beauchamp seconded by Commissioner Grinde that the minutes of the previous regular meeting of May 20, 2020 be approved as read.
Voting Aye: Quirk, Grinde, Beauchamp
Voting Nay: None

It was moved by Commissioner Grinde seconded by Commissioner Beauchamp to authorize the Secretary to issue payment of the recommended bills and payroll in the amount of $198,039.51.
Voting Aye: Quirk, Grinde, Beauchamp
Voting Nay: None

Discussion was held with Gary Shields, Trustee of the Eagles, on the Eagles Club utility account.

It was moved by Commissioner Beauchamp seconded by Commissioner Grinde to approve supporting working with the other City Departments in pursuing options of temperature monitoring devices due to COVID 19.
Voting Aye: Quirk, Grinde, Beauchamp
Voting Nay: None

It was moved by Commissioner Beauchamp seconded by Commissioner Grinde to adjourn at 8:40 a.m. to the next regular meeting on June 17, 2020 at 8:00 am to be held remotely due to the COVID 19 virus and pursuant to MN Statutes 13D.02, 13D.021 and 13D.04.
Voting Aye: Quirk, Grinde, Beauchamp
Voting Nay: None

Lori Maloney
Secretary
Minutes of the regular meeting of the Water, Light, Power and Building Commission of the City of East Grand Forks, Minnesota on June 17, 2020 at 8:00 a.m held remotely due to the COVID 19 virus pandemic and pursuant to MN Statutes 13D.02, 13D.021 and 13D.04.

Present: Grinde, Beauchamp, DeMers
Absent: Quirk

Also present: Keith Mykleseth, Ron Galstad, Brian Johnson, Jeff Olson, Steve Emery, Todd Forster, Brianna Feil, Kevin Hatcher, and Corey Thompson.

It was moved by Commissioner Beauchamp seconded by Commissioner DeMers that the minutes of the previous regular meeting of June 3, 2020 be approved as read.
Voting Aye: Grinde, Beauchamp, DeMers
Voting Nay: None

It was moved by Commissioner Beauchamp seconded by Commissioner DeMers to authorize the Secretary to issue payment of the recommended bills and payroll in the amount of $713,212.16.
Voting Aye: Grinde, Beauchamp, DeMers
Voting Nay: None

Commissioner Quirk entered the meeting at 8:11 a.m.

It was moved by Commissioner Beauchamp seconded by Commissioner Quirk to approve entering into the North Water Tower Agreement and sign the agreement on behalf of the Water and Light Commission.
Voting Aye: Grinde, Beauchamp, DeMers, Quirk
Voting Nay: None

It was moved by Commissioner Beauchamp seconded by Commissioner Quirk to adjourn at 8:42 a.m. to the next regular meeting on July 1, 2020 at 8:00 am to be held remotely due to the COVID 19 virus and pursuant to MN Statutes 13D.02, 13D.021 and 13D.04.
Voting Aye: Grinde, Beauchamp, DeMers, Quirk
Voting Nay: None

Kevin Hatcher
Energy & Customer Service Specialist
Request for Council Action

Date: 6/18/2020

To: East Grand Forks City Council Mayor Steve Gander, Council President Mark Olstad, Council Vice-President Chad Grassel, Council members Clarence Vetter, Dale Helms, Tim Riopelle, Tim Johnson, and Marc DeMers.

Cc: File

From: Jason Stordahl - Public Works Director

RE: 2nd Ave. NE repair

Background: There is a depression in the concrete just south of the flood wall closure on 2nd Ave. NE. Year after year the depression is becoming deeper, and is now causing damage to vehicles as they pass through. We received the following two quotations to repair (see also the attached full estimates):

Strata Corporation $97,795.00
OPP Construction $49,992.30

Our City Engineer reviewed the quotations and stated that he believes that the OPP Construction quote seems to be fair and reasonable. I will be recommending that Council approves OPP Construction to complete the concrete repair project. We do have sufficient funds in our Street Reconstruction account to cover the expense.

Recommendation: Award OPP Construction the concrete repair job on 2nd Street NE for $49,992.30.
City of East Grand Forks 2nd Ave NE Repair Project by Floodwall

To: Jason Stordahl
Public Works Director
City of East Grand Forks
jsstordahl@ci.east-grand-forks.mn.us

Phone: 218-773-1313
Bid Date: 6-17-2020
Cell: Attention: Jason

Strata Corporation is pleased to submit the following proposal based upon the info. we've received.

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobilization and Supervision</td>
<td>1</td>
<td>LS</td>
<td>$11,500.00</td>
<td>$11,500.00</td>
</tr>
<tr>
<td>- Project to be done in halves</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traffic Control and Maintenance</td>
<td>1</td>
<td>LS</td>
<td>$7,300.00</td>
<td>$7,300.00</td>
</tr>
<tr>
<td>Remove and Replace 8&quot; Concrete Street Panels</td>
<td>240</td>
<td>SY</td>
<td>$220.00</td>
<td>$52,800.00</td>
</tr>
<tr>
<td>Remove and Replace Curb and Gutter</td>
<td>110</td>
<td>LF</td>
<td>$65.00</td>
<td>$7,150.00</td>
</tr>
<tr>
<td>- Install 6&quot; curb back in and transition on South Ends to match existing.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Install Curb Castings Either new or used</td>
<td>2</td>
<td>EA</td>
<td>$650.00</td>
<td>$1,300.00</td>
</tr>
<tr>
<td>Install Curb and Gutter Chimney Seals</td>
<td>2</td>
<td>EA</td>
<td>$600.00</td>
<td>$1,200.00</td>
</tr>
<tr>
<td>IF New Curb Castings are needed</td>
<td>2</td>
<td>EA</td>
<td>$385.00</td>
<td>$770.00</td>
</tr>
<tr>
<td>Remove and Replace Sidewalk by 5 flood Wall</td>
<td>784</td>
<td>SF</td>
<td>$11.00</td>
<td>$8,624.00</td>
</tr>
<tr>
<td>Remove and Replace Sidewalk by N flood Wall</td>
<td>126</td>
<td>SF</td>
<td>$11.00</td>
<td>$1,386.00</td>
</tr>
<tr>
<td>Repair Toadstool (back Support Concrete) N. of wall</td>
<td>1</td>
<td>LS</td>
<td>$2,500.00</td>
<td>$2,500.00</td>
</tr>
<tr>
<td>- Saw cut south side, jack hammer down about 8 inches, install rebar add expansion around out side and pour back about 8&quot; thick and seal. (about 2.5 by 3 foot area)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remove and Replace Asphalt Bike trail 10’ by 8’</td>
<td>1</td>
<td>LS</td>
<td>$3,100.00</td>
<td>$3,100.00</td>
</tr>
<tr>
<td>- Saw cut and remove, regrade are to match new sidewalk and place new mix to depth of 4” thick</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seeding Disturbed areas Hand Cast seed raked in</td>
<td>55</td>
<td>SY</td>
<td>$3.00</td>
<td>$165.00</td>
</tr>
<tr>
<td>- on outside edge of new sidewalk about 3 foot wide, Maintenance of the seed by City.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Estimated Total $97,795.00

Work Included in Quote:
* If awarded to Strata, we will fit this into our currently scheduled workload and have it finished up during the 2020 season.
* Final billing is to be based off of field measured quantities. Pavement Marking to be done by others
* Work is to be done according to City of East Grand Forks specifications.
* All Items are Tied

Notes:
This quote shall become Part of the Sub Contract. Bond Not included if needed add at $9.00 per Thousand.
Proposal valid for 30 days and on approved credit. All Items are Tied. No Permits are included.
Additional work will be billed on a time and materials basis. No Survey, Testing, Traffic Control or Permits included.
Payment due upon completion of project. All past due accounts assessed a service fee of 18% annually, or 1.5% monthly.

All material is guaranteed to be specified. All work to be completed in workmanlike manner
according to standard practices. All agreements contingent upon strikes, accidents
or delays beyond our control. Owner to carry fire, tornado, and other necessary
insurance. Our workers are fully covered by Workers Compensation Insurance.

Acceptance of Proposal: The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: X Signature X
Opp Construction is pleased to offer the following pricing on the aforementioned project.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Unit</th>
<th>QTY</th>
<th>Unit Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concrete Repairs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>8&quot; Concrete Street Panels</td>
<td>SY</td>
<td>240</td>
<td>$95.00</td>
<td>$22,800.00</td>
</tr>
<tr>
<td>-</td>
<td>Curb &amp; Gutter w/ 2 New Chimney Seal Installation</td>
<td>LF</td>
<td>110</td>
<td>$83.60</td>
<td>$9,196.00</td>
</tr>
<tr>
<td>-</td>
<td>New Sidewalk behind Curb</td>
<td>SF</td>
<td>784</td>
<td>$9.95</td>
<td>$7,800.80</td>
</tr>
<tr>
<td>-</td>
<td>3 Sidewalk and Curb Panel of North side of Flood Wall</td>
<td>SF</td>
<td>126</td>
<td>$14.25</td>
<td>$1,795.50</td>
</tr>
<tr>
<td>-</td>
<td>Repair Finger on Flood Wall Finger</td>
<td>LS</td>
<td>1</td>
<td>$1,600.00</td>
<td>$1,600.00</td>
</tr>
<tr>
<td>-</td>
<td>Misc. Repairs - Asphalt Patch and Black Dirt &amp; Seed</td>
<td>LS</td>
<td>1</td>
<td>$1,600.00</td>
<td>$1,600.00</td>
</tr>
<tr>
<td>-</td>
<td>Traffic Control</td>
<td>LS</td>
<td>1</td>
<td>$5,200.00</td>
<td>$5,200.00</td>
</tr>
<tr>
<td><strong>TOTAL &gt; &gt;</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$49,992.30</td>
</tr>
</tbody>
</table>

Notes:
- New Chimney Seal installation on both Catch Basins, Castings to be reused
- New Castings to be extra
- May be extra cost associated if 9" Pavement is desired
- All Work to be done to City of EGF Specifications
- This proposal shall be incorporated into our contract or agreement.
- Final payment is due upon completion.

Exclusions:
- Permit (if Required)
- Owner is Responsible for Any Private Utility Locations

Thank You
Aaron Fultz
Request for Council Action

Date: June 18, 2020 – Updated on 6/29/2020

To: East Grand Forks City Council: Mayor Steve Gander, Council President Mark Olstad, Council Vice-President Chad Grassel, Council members Clarence Vetter, Dale Helms, Tim Riopelle, Tim Johnson and Marc DeMers

Cc: File

From: Michael S. Hedlund – Chief of Police

RE: Updating the EGFPD Door Access System, Holding Cell Access System and Fire Alarm System

Background: The EGFPD is currently operating with door access systems and a fire alarm system that are original to when our building was converted to a police department in the mid-1990’s. These systems are very antiquated and are prone to significant and costly issues. Repairs have become more and more difficult as in many cases parts for these systems are no longer available. During the 2020 Budget Discussions I included a request for funds to replace all of the above systems. At that time I was attempting to work with Johnson Controls to get bids on completing all of these replacements. Simplex/Johnson Controls had been the installer of the original system so we believed that the simplest update would be using Johnson Controls to update the systems that they had previously installed. Despite numerous e-mails and phone calls (and I believe even two visits to our site by their staff and one by an associated electrician) I was never able to get any firm numbers from Johnson Controls – just ball park estimates. My initial budget request was made based upon these “ballpark estimates” which included $25,000.00 for replacement of the Fire Alarm System, $30,000.00 for the building door access system and $175,000.00 for the Holding Cell/Detention Area Access System. The final budget did not include the $175,000.00 for the Holding Cell/Detention Area Access System.

As we moved into 2020 I had additional conversations with Corey Thompson and Kris Kovar (EGF IT Staff) and it was determined that we should attempt to get other proposals for this project. In April 2020 I sent detailed information to Electro Watchman (Fargo, ND) and to HB Sound & Light (Fargo and Grand Forks). I also sent the same information to Johnson Controls and I was assured that they still wanted to do this project. (See attachments for a copy of the information that was sent to these companies.)
Electro Watchman responded almost immediately and set up a time to come to the EGFPD to view our facilities and our existing systems. They subsequently submitted a quote on all three aspects of this project on April 29, 2020.

HB Sound and Light also responded and has had staff members come to the EGFPD on at least two occasions. We received estimates from HB Sound and Light on June 16, 2020 for the Building Access System and for the Holding Cell/Detention Area Access System. They did not include any information on the Fire Alarm System despite being told that that was to be considered part of the total process and system. A follow up e-mail to HB Sound & Light requesting clarification on this issue has received no response.

I have received no further correspondence from Johnson Controls since my contact with them in April 2020.

**Budgetary Impact:**

The quote from Electro Watchman covers all three requested areas and came in as follows:

- **Holding Cell/Detention Area Access System:** $60,153.00 ($62,470.00 if we chose to add the optional Visitation Phone System which we will not be doing at this time.)
- **Building Access Control System:** $18,864.00 (Which includes the option of replacing the readers rather than continuing to use our existing readers at a cost of $2,565.00). This system is browser based and does not require access to the cloud. The “controller” for the Building Door Access system would initially be set up to handle up to 16 doors but that system can be expanded in various increments up to 128 portal licenses so if the City chooses to add additional buildings to the door access system this controller is capable of doing that. A new quote from Electro Watchman details the costs associated with increasing the size of this system. I would recommend that we stick with the 16 Portal License system for now unless the city thinks it would be expanding the system to other buildings in the near future. There are also additional options (a Virtual Machine) that can handle many more doors. I do not have any pricing information on that.
- **Fire Alarm System:** $13,322.00 ($17,266.00 if we added a building wide notification system option for $3,944.00. We do not believe this is necessary since our Dispatch desk is covered 24/7).
- **A separate quote from Electro Watchman covers various system/monitoring fees.**
  - S2 (the company that provides the equipment for the Building Access System) offers a “Software Update and Support Plan”. The cost varies depending on the years covered but I would recommend that we go with the three year plan at a cost of $1,017.00.
  - OSSI (the company providing the equipment for the Holding Cell Access System) has an annual SMA that covers factory support for updates, upgrades and server failure at annual cost of $1,094.00.
The quote also includes various options for monitoring the fire alarm system. After additional discussions with Jason Brandt from Electro Watchman and Corey Thompson and Kris Kovar (City of EGF IT Staff) I am recommending that we go with “Option #2 – Fire Monitoring vis Cell Module” at an annual cost of $695.40. Despite the higher cost for the monthly monitoring fee (as compared to monitoring via analog phone lines – Option # 1) the overall cost of this system will actually be less. The monthly access charges for the analog lines is $50.00 per line and that cost would quickly surpass the higher monitoring cost of the cell module option. Annual cost: $695.40.

- Total: $92,339.00 for the systems (only including the optional equipment for the Building Access Control System) and $2,195.00 for the system and inspection fees as recommended above for a grand total of $95,145.40.

As stated earlier in this RCA, only $55,000.00 was officially budgeted for this project for 2020. After speaking to Finance Director Karla Anderson it is my understanding that there are sufficient funds available in the Building Fund to cover these expenses in 2020 because some projects that were originally scheduled for 2020 are now being moved to 2021.

**Recommendations:** It is my recommendation that the EGF City Council approve all three projects included in the Electro Watchman quote as detailed above (total cost $95,145.40). Electro Watchman has been prompt, detailed and complete in their responses for this RCA.

**Enclosures:**

- Electro Watchman Quote for all Systems
- Electro Watchman Quote for Annual System Fees
- Electro Watchman Quote for ST Controller Options
- Word Document that contains a copy of information about this project that was provided to Johnson Controls, HB Sound & Light and Electro Watchman.
4-29-2020

East Grand Forks PD
520 DeMers Ave
East Grand Forks, MN 56721
Attn: Michael Hedlund

I would like to thank you for giving Electro Watchman, Inc the opportunity to bid updating your Access & Fire alarm systems.

Electro Watchman, Inc is a 4th generation family owned & operated company that has been designing and installing security solutions for residential & commercial customers in the upper Midwest since 1921. We have 4 locations to serve you- Fargo ND, Mandan ND, Sioux Falls SD & St Paul MN (which is also our corporate office and houses our Central Monitoring Station)

Quality service is the backbone of our operation. Our experienced technicians install burg alarm, fire alarm, access control systems, CCTV systems, nurse call, patient wander systems & entry systems. We inspect existing systems and provide repair & maintenance services on a variety of equipment. Our normal business hours are 8am-5pm, Monday through Friday. We provide service 24 hours a day, 7 days a week (After hours, weekends & holidays we have Technicians on call – ready to respond as needed).

Please contact me with any questions.

Thanks,

Jason Brandt
Account Representative
Electro Watchman Inc
2219 12th St N Suite A
Fargo, ND 58102
Office (701) 235-9511 / (800) 235-9511
Fax (701) 232-2186
Direct (701) 297-4556
jbrandt@electrowatchman.com
www.electrowatchman.com
Prepared For:
East Grand Forks Police Dept
520 DeMers Ave
East Grand Forks MN 56721

Prepared By:
Jason Brandt
Account Rep
jbrandt@electrowatchman.com

Michael Hedlund
218-773-2283
mhedlund@egf.mn

**Project Scope:**

Quote overview

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HOLDING CELL AREA ACCESS SYSTEM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HOLDING CELL ACCESS SYSTEM (OSSI) BASE QUOTE</td>
<td>$60,153.00</td>
<td>$60,153.00</td>
</tr>
<tr>
<td></td>
<td>OPTION TO REPLACE THE VISITATION PHONE SYSTEM (OPTIONAL - SELECTED)</td>
<td>$2,317.00</td>
<td>$2,317.00</td>
</tr>
</tbody>
</table>

**HOLDING CELL SUBTOTAL** $62,470.00

- Base quote is to replace the "light board" access system with an OSSI access system. this company specializes in systems for correctional facilities and jails. system will now be shown on a 27" touch screen (different sizes are available) & will integrate with the camera system- so the camera that is at the intercom/door will show up when the intercom is pushed.
- we will replace the intercom amp and the modules that control the relays for the doors, lights & intercom. we will reuse the existing intercom stations, door locks, power supply, controller relays & most of the cabling. we will also reuse the existing door sensors (with the exception of the 3 over head door sensors that are broken- we will replace those)
- option is to replace the 2 phone visitor system with one that you can record conversations. customer will need to provide the recording device (the module has a 3.5mm audio output jack)

**BUILDING/CITY ACCESS SYSTEM**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BUILDING ACCESS SYSTEM (S2) BASE QUOTE</td>
<td>$16,299.00</td>
<td>$16,299.00</td>
</tr>
<tr>
<td></td>
<td>OPTION TO UPGRADE/REPLACE THE 9 READERS (OPTIONAL - SELECTED)</td>
<td>$2,565.00</td>
<td>$2,565.00</td>
</tr>
</tbody>
</table>

**BUILDING ACCESS SUBTOTAL** $18,864.00

- Base quote is to replace the access control system with a Lenel S2 access system & relocate the system head end (currently located above the ceiling) to a location that is accessible to work on. this would include running new cable from each card reader door to the new location. this system is easily expandable and can grow as needed. the controller quoted can handle up to 128 doors and you can "trade in" this controller toward a new larger one if/when you reach that capacity. this system is also "browser based" so there is no software to install on a PC/Server and no client licenses/software. anyone on your network is able to access the system (as long as they have proper login authority). system also has phone APPs to control the system & easy to do "lock downs". this system is very customizable and feature rich
- for the base quote- we plan on reusing the existing readers, door strikes & your credentials
- option is to replace the old readers with new readers. these new readers will allow you to keep your existing credentials, while migrating toward more secure credentials (that cant easily be duplicated). these new readers also are able to use mobile credentials (using your smart phone as a credential).
<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FIRE ALARM SYSTEM (EDWARDS) BASE QUOTE</td>
<td>$13,322.00</td>
<td>$13,322.00</td>
</tr>
<tr>
<td>1</td>
<td>OPTION TO ADD NOTIFICATION THROUGHOUT THE BUILDING</td>
<td>$3,944.00</td>
<td>$3,944.00</td>
</tr>
</tbody>
</table>

**FIRE SUBTOTAL**  $17,266.00

- Base quote is to replace the existing system & existing devices with an addressable Edwards fire alarm system. We will attempt to fit the new fire panel into the existing fire panel location - that is recessed into the wall. If not, we will have to mount it beside it on the wall.
- We will reuse the existing cabling.
- Option is to add horn/strobes in the common areas, hallways & garage and strobes in the bathrooms & training room.

**NOTES:**

- Tax is NOT included in the above quotes.
- We will probably need an electrician - to provide some outlets/power connections. Depending on where we locate some of the equipment - will depend on how much the electrician will need to do. The electrician is excluded from my quote - as I assume you guys have a "city electrician" that can do this as needed. Let me know if I need to include the electrician.

**Additional Notes:**

1 year warranty applies to all Electro Watchman installed equipment & workmanship.

**Grand Total**  $98,600.00

**Deposit Required**  $0.00

See sheets below for systems break down.
Prepared For:
East Grand Forks Police Dept
520 DeMers Ave
East Grand Forks MN 56721

Prepared By:
Jason Brandt
Account Rep
jbrandt@electrowatchman.com

Michael Hedlund
218-773-2283
mhedlund@egf.mn

**Project Scope:**

Quote to replace the Holding Area access system

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Upgrade Holding Cell Access System</td>
<td>$60,153.00</td>
<td>$60,153.00</td>
</tr>
<tr>
<td></td>
<td>(1) CUSTOM PC</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) 27' TOUCH SCREEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) SWITCH, 8-PORT, GIGABIT, UNMANAGED, POE+, 140W BUDGET</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) UPS POWER STRIP WITH SURGE &amp; BATTERY BACK UP</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) OSSI LICENSE/SOFTWARE PACKAGE 1 (50 DOORS, 25 CAMERAS, 250 IO, 1 LICENSE)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) OSSI INTERCOM &amp; CAMERA DRIVER</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) OSSI MLC-16R OUTPUT ADAPTER WITH MPU-16R.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) OSSI MLC-32I INPUT ADAPTER WITH MPU-32I</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) OSSI MLC-8IC 8 STATION INTERCOM CONTROLLER</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) OSSI INTERCOM MASTER W/XP2440 PS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) OSSI 60W PAGING AMPLIFIER</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) OSSI DESK TOP MICROPHONE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) OSSI FOOT SWITCH (FOR HANDS FREE CONTROL OF THE MICROPHONE)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) OSSI RACK CABINET ENCLOSURE WITH BACKPLANE FOR I/O BOARDS (16R, 32I, 8IC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) OSSI RACK MOUNT POWER SUPPLY 12VD, 6.5 AMP UNIVERSAL, LINEAR, SUPERVISED, SWITCHING, POWER SUPPLY WITH &quot;FLOATING&quot; SMART BATTERY CHARGING CIRCUIT. AUTOMATIC SWITCHOVER TO STANDBY BATTERY WHEN AC FAILS.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) OSSI LONTALK ETHERNET MODULE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) OSSI OFF SITE SYSTEM PROGRAMMING/SET UP</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) CABLES, CONNECTORS, FITTINGS &amp; MISC</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3) OVERHEAD DOOR RAIL (3&quot;) MOUNT MAGNET/SWITCH SET FEATURING NO DEAD SPOT TECHNOLOGY, SILVER (TO REPLACE THE 3 THAT ARE BROKEN)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(4) 12V 7.5AH BATTERY</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>INSTALLATION LABOR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Scope:** replace the head end equipment with a new OSSI system with a touch screen monitor. includes replacing the intercom amp and integration of the camera system. also includes removal of the old equipment

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Option to replace the visitation phone system with one you can record (Optional - SELECTED)</td>
<td>$2,317.00</td>
<td></td>
</tr>
</tbody>
</table>

- (2) VANDAL RESISTANT ST/STEEL PHONE
- (1) HIGH SPEED LINE SIMULATOR WITH AUDIO OUTPUT
- (1) MISC CABLE, CONNECTORS & FITTINGS
- INSTALLATION LABOR
- customer to provide the recording device

**CUSTOMER NOTES:**

- will reuse the existing cabling, Intercoms, power supplies, relays controlling the lights & doors, equipment rack, audio sensors, door locks & door sensors (will replace the broken ones on the 3 overhead doors).
- quote assumes that the equipment that we are reusing is in good working order. Any equipment that needs to be replaced will be done as a Time & Material charge as needed
- customer to provide an electrician to connect power/provide outlets (in the event this is needed)
- Tax is NOT included in this quote

**Additional Notes:**

1 year warranty applies to all Electro Watchman installed equipment & workmanship

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Grand Total</td>
<td>$62,470.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deposit Required</td>
<td>$0.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Project Scope:**

Quote to update the card access system

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Replace your existing 9 door card access system</strong></td>
<td>$16,299.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (1) S2 NETBOX EXTREME CONTROLLER- RACK MOUNT ENCLOSURE WITH 16 PORTAL LICENSE. (SYSTEM IS EXPANDABLE UP TO 128 DOORS- LARGER CONTROLLERS ARE AVAILABLE)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (1) 1500VA 900W UPS WITH SURGE PROTECTOR- RACK MOUNT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (1) S2 WALL MOUNT ENCLOSURE WITH (1) S2 ACM BLADE AND 6 AVAILABLE EXPANSION SLOTS.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (4) S2 ACCESS CONTROL APPLICATION EXTENSION BLADE WITH SUPPORT FOR 2 OSDP OR 2 WIEGAND READERS, 4 INPUTS AND 4 OUTPUTS.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (1) POWER SUPPLY 12/24VDC 6A,W/TRF,CAB,CAM,UL,PD16,CIR,BKR.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (3) 12V 7.5AH BATTERY</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (1) ACCESS CABLE, CONNECTORS, FITTINGS &amp; MISC</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• INSTALLATION LABOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• <strong>Scope: replace the access system and relocate it (current hardware is located above the ceiling).</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td><strong>Option to upgrade readers to Multi Class mobile ready readers</strong></td>
<td>$2,565.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• (9) HID SINGO READER 40- MULTI CLASS/MOBILE READY. WALL SWITCH STYLE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• <strong>current system is using PROX technology- which is an old technology that can easily be duplicated. this option is to replace the readers with readers that read multiple technologies (including Prox) along with mobile phone credentials. that way the customer can migrate away from PROX at their own pace- to a more secure technology. once all the prox credentials are gone- we can disable the PROX on these readers</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• <strong>NEW ICLASS &amp; MOBILE CREDENTIAL OPTIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• <strong>customer to specify type &amp; quantity of credential</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>ICLASS CARDS, PRINTABLE, SEOS,FORMAT: (ORDERED IN QUANTITIES/PACK OF 50) (OPTIONAL)</td>
<td>$4.00</td>
<td>$200.00</td>
</tr>
<tr>
<td>1</td>
<td>FOB, ICLASS SE, 26 BIT (ORDERED IN ANY QUANTITIES) (OPTIONAL)</td>
<td>$5.50</td>
<td>$5.50</td>
</tr>
<tr>
<td>20</td>
<td>MOBILE LICENSE- 1 YR USER LIC,HID ORG MOBILE IDENTITY- (ORDERED IN QUANTITIES OF 20) -THIS IS AN ANNUAL FEE (OPTIONAL)</td>
<td>$7.25</td>
<td>$145.00</td>
</tr>
</tbody>
</table>
### CUSTOMER NOTES:

- *Base quote*: we will reuse the existing card readers & door strikes.
- *quote assumes that the equipment that we are reusing is in good working order*. Any equipment that needs to be replaced will be done as a Time & Material charge as needed.
- *customer to provide an electrician to connect power/provide outlets at the new head end location (in the event this is needed)*
- *customer to provide a network connection & 2 IP address's. system is "browser based"*- meaning that there is no software to install on any PC & no client licenses. customer uses their web browser to log on to the system to administer the system.
- *Tax is NOT included in this quote*

### Additional Notes:

*1 year warranty applies to all Electro Watchman installed equipment & workmanship*

<table>
<thead>
<tr>
<th>Description</th>
<th>Grand Total</th>
<th>Deposit Required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$18,864.00</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

Created on 04/29/20 18:34:15 by jbrandt
**Project Scope:**

Quote to replace fire alarm system

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Replace fire alarm system - base quote</td>
<td>$13,322.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) FACP 1 LOOP 64 INTELLIGENT DEVICES MAX 2 CLASS B NAC’S 4.25A POWER SUPPLY GRAY DOOR 115VAC CAPACITY FOR UP (2) 10A/H BATTERIES INCLUDES DUAL LINE DIALER/MODEM ENGLISH</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) SEMI-FLUSH MOUNT. TRIM KIT 64PT SYSTEMS BLACK.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) BATTERY 10 AH 12 VOLT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(5) MULTI-CRITERIA OPTICAL SMOKE DETECTOR (UL268 COMPLIANT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(5) DETECTOR BASE - STANDARD</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(6) SUPERDUCT SIGNATURE SERIES DUCT SMOKE DETECTOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(6) DUCT DETECTOR ACCESSORY 36 SAMPLING TUBE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(6) SD REMOTE RESET/TEST 2W/SIG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) MANUAL PULL STATION - DOUBLE ACTION 1-STAGE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3) SINGLE INPUT MODULE. SINGLE CIRCUIT INPUT MODULE FOR USE WITH NORMALLY OPEN CONTACT DEVICES. FOUR SELECTABLE PERSONALITY CODES FOR ALARM LATCHING OR ALARM DELAYED LATCHING OR NON-LATCHING MONITOR OR LATCHING SUPERVISORY.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(10) CONTROL RELAY MODULE. SELECT FOR EITHER N.O. OR N.C. OPERATION. RATED AT 2 AMPS (24VDC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) WALL HORN/STROBE, 15-110CD, RED, FIRE MARKING</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) UNIVERSAL MOUNTING PLATE FOR WALL MOUNT HORN/STROBE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) MISC MATERIALS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) STATE OF MN FIRE ALARM PERMIT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INSTALLATION LABOR**

Scope: replace fire alarm system (all existing devices will be replaced with new- in the existing locations. I am going off of device list taken from info shown on the documents from the original install). We will also add a smoke detector & manual pull station near the fire alarm control panel- as per code. We will also attempt to retrofit the new FACP into the existing Simplex can that is recessed into the brick wall. If this can not be accomplished- we will then mount the new FACP next to the existing panel.
<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Option to add notification throughout the PD (Optional - SELECTED)</td>
<td>$3,944.00</td>
<td>$3,944.00</td>
</tr>
<tr>
<td></td>
<td>(8) WALL HORN/STROBE, 15-110CD, RED, FIRE MARKING</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(6) CEILING STROBE, 15-115CD, RED, FIRE MARKING</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(14) UNIVERSAL MOUNTING PLATE FOR WALL MOUNT HORN/STROBE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) FIRE ALARM CABLE, MISC BRACKETS, FITTINGS &amp; CONDUIT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>INSTALLATION LABOR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Scope:** adding horn/strobes to the hallways & common areas and strobes in the bathrooms (currently there are only 2 horn/strobes on the system- located in the back hallway)

**CUSTOMER NOTES:**
- **Customer to provide an electrician- to disconnect power from the old FACP & connect power to the new FACP**
- **Tax is NOT included in this quote**

**Additional Notes:**

1 year warranty applies to all Electro Watchman installed equipment & workmanship

```
Grand Total $17,266.00
Deposit Required $0.00
```
OSSI is the industry leader in providing intuitive, user friendly, Access Control Solutions. Our Intelli-Site software offers multiple views to monitor status, health and wellness of your access control system. Pop-up screens for each panel allow the operator to enable, disable, and activate any point in the system. Legends on each hardware control screen provide the operator easy reference explaining device statuses. The system is modular in design to minimize cost while not limiting scalability.

**Key Features**

- Hardware Management View is a graphical representation of system health and configuration notifications.
- Access Management View makes it easy to configure holidays, time zones, Access Assignments and User Information.
- Activity View gives the user multiple real-time activity logs that can be filter transactions down as granular as an individual access control panel.
- Scheduled Events View provides easy administration of special access control activities.
- Reports View provides quick reference to card records, department, cardholder activity, card changes, and system information.
- Easy to configure elevator control.
- Intelli-Site has Safeguards in place to reduce administrative errors.
- Scalable to unlimited reader.

**System Requirements**

Minimum: CPU (Processor): Intel CORE2 Duo 2.0GHz
RAM (Memory): 4GB DDR2 800 MHz
HDD (Disk Space): 200GB 7200RPM SATA-II 300
VGA (Video): 512MB VRAM @ 1280 x 1024, (32 bit color)

Required with Video Integration:
CPU (Processor): Intel I7 Quad Core or Higher, 433MHZ
RAM (Memory): Minimum 16GB DDR4 SDRAM, Recomended 32GB DDR4 SDRAM
HDD (Disk Space): Primary 250GB SSD, Secondary 1TB 7200 RPM SATA
VGA (Video): Minimum: 1GB VRAM DDR3 @ 700MHZ Recomended: 4GB VRAM DDR3 @ 700MHZ

Network & Protocols: 100/1000 network adapter with Windows TCP/IP
A Windows compatible sound device or card is recommended on the Client systems so that alerts and other sounds may be heard.

*** Intelli-Site-Lite can be upgraded to a fully integrated Situational Awareness application incorporating Video, Intrusion, Intercom, Fire, Building Management and more.***

www.ossi-usa.com 888-488-2623
Security requirements in the correctional environment are unique when compared to other industries. At OSSI we understand that better than anyone, in fact our Intelli-Site platform was originally designed specifically for Judicial and Detention facilities. The system provides agencies with a state-of-the-art solution which incorporates all aspects of correctional facility physical security into a single, fully integrated security solution. Our technology offers easy-to-operate, flexible, robust fully integrated approach to integrated correctional security.

OSSII’s Intelli-site software platform provides a common user programming interface which can be serviced by multiple organizations, unlike custom systems written in SCADA software which become proprietary. Our wide variety of drivers allow the end user a multitude of choices when it comes to integrating with existing peripheral systems or adding new systems in the future. This flexibility ensures that the facility will be able to secure the best and broadest functionality for their budget dollars. This becomes especially important when facilities need to upgrade one of their subsystems, significantly reducing the budget impact.

- Real time monitoring and system control through integration of:
  - General protocol tools to interface with OPC, Modbus, and drivers developed to directly integrate many systems.
  - System scheduled events
  - Database integration to graphically represent and control inmate booking
  - Door Control
  - CCTV
  - Perimeter fence
  - Intercom
  - Audio disturbance
  - Man Down
  - Inmate management
  - RFID Both 900 mhz and 433 mhz
  - Gate and intake control
  - Single or Multi-location command and control
  - One click navigation to alarms or events on interactive maps and floor plans
  - Redundant Server / Multi Server applications
  - Multiple card technologies for secure authentication of staff. (Card, PIN, and Biometric)
  - Guard Tours
  - Group functions for multi-door and utility control
  - Inmate elevator control
S2 NetBox® Extreme

Overview

S2 NetBox Extreme is a full-featured, web-based access control and event monitoring system that supports up to 128 portals. Optional system partitioning allows the entire database to be separated into multiple smaller systems for entities such as field offices or tenants. Features such as person record and cardholder management, event and alarm monitoring, threat level escalation and reporting are accessible from any web browser. There is no software to install.

A solid-state appliance, S2 NetBox Extreme is fast and reliable. The system works with existing infrastructure and peripheral devices, making it easy to deploy. S2 NetBox Extreme is flexible and scalable, supporting up to 64 S2 Nodes. In addition, S2 NetBox Extreme tightly integrates with S2 NetVR® series video management systems, providing unified system management and administration. Integration with third party video management systems is also supported.

S2 NetBox Extreme is well suited for mid-scale deployments. As organizations grow, migration to S2 NetBox Enterprise is seamless. Large, distributed enterprises can also centrally manage multiple S2 NetBox Extreme controllers with S2 Global®.

Key Features

Access Control
- **Portals**: Supports up to 128 doors or other access points
- **Event and Alarm Monitoring**: Includes comprehensive event logging, notification and escalation
- **Threat Level Management**: Provides configurable system status and response actions such as system lock downs
- **Person Record Management**: Maintains detailed, credential-driven user records and access history
- **Reporting**: Offers pre-defined and custom reports

System
- **Web Interface**: Delivers browser-based, unified system management and administration
- **Solid-State Design**: Extends product lifecycle, lowering total cost of ownership
- **Video Integration**: Works with S2 NetVR series video management systems and other third party video systems
- **API Support**: Integrates with third party products such as human resource databases via an open source API
- **Automated System Management**: Automatically discovers S2 Nodes and handles system backups
- **Mobile App**: Allows for mobile security management using S2 Mobile Security Officer®
- **System Partitioning Option**: Allows the entire database to be separated into multiple smaller systems
### Specifications – S2 NetBox Extreme

#### Access Control

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardholders</td>
<td>40,000</td>
</tr>
<tr>
<td>Access Levels</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Unique User Roles</td>
<td>16</td>
</tr>
<tr>
<td>Simultaneous Users</td>
<td>10</td>
</tr>
<tr>
<td>Time Specifications</td>
<td>512</td>
</tr>
<tr>
<td>Portal Capacity</td>
<td>128</td>
</tr>
<tr>
<td>S2 Node Capacity</td>
<td>64</td>
</tr>
<tr>
<td>Maximum Inputs / Outputs</td>
<td>2,000 / 2,000</td>
</tr>
<tr>
<td>Online Transactions</td>
<td>Up to 40 million records</td>
</tr>
</tbody>
</table>

#### Client Requirements

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
<td>Any; for badging use Windows 7</td>
</tr>
<tr>
<td>Browser</td>
<td>Chrome, Internet Explorer, Firefox and Safari</td>
</tr>
<tr>
<td>Processor</td>
<td>Intel Core i3 or higher</td>
</tr>
<tr>
<td>Memory (RAM)</td>
<td>8GB minimum</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>100GB minimum</td>
</tr>
</tbody>
</table>

#### Appliance

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Capacity</td>
<td>20GB</td>
</tr>
<tr>
<td>Processor</td>
<td>Intel Atom N2800</td>
</tr>
<tr>
<td>Memory (RAM)</td>
<td>4GB total</td>
</tr>
<tr>
<td>Operating System</td>
<td>Ubuntu Linux</td>
</tr>
<tr>
<td>Ethernet Ports</td>
<td>1</td>
</tr>
<tr>
<td>MTBF</td>
<td>213,447</td>
</tr>
<tr>
<td>Chassis</td>
<td>Wall mount or standard 2U rack mount</td>
</tr>
</tbody>
</table>
| Dimensions (H, W, D)         | **Wall Mount:** 13in x 10.5in x 3.57in 33.02cm x 26.67cm x 9.07cm  
**Rack Mount:** 3.5in x 17.2in x 11in 8.89cm x 43.69cm x 27.94cm |
| Weight                       | 9.7 lbs (4.4 kg) maximum       |

#### Appliance (continued)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>32°F – 95°F (0°C – 35°C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-4°F – 158°F (-20°C – 70°C)</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>Humidity 85%, non-condensing 35°C</td>
</tr>
<tr>
<td>AC Input</td>
<td>86 – 264 VAC, 47/440 Hz, 1.5A</td>
</tr>
<tr>
<td>BTU Maximum</td>
<td>256 per hour</td>
</tr>
<tr>
<td>Regulatory Approvals</td>
<td>UL, CE, FCC, RoHS</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 years, hardware; 1 year, software</td>
</tr>
</tbody>
</table>

#### Integrations

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Management</td>
<td>S2 NetVR series VMS and other major VMS manufacturers</td>
</tr>
<tr>
<td>S2 NetVR Capacity</td>
<td>16</td>
</tr>
<tr>
<td>S2 NetVR Camera Capacity</td>
<td>1,024</td>
</tr>
<tr>
<td>Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer)</td>
<td>10</td>
</tr>
<tr>
<td>Third Party VMS Camera Capacity</td>
<td>256</td>
</tr>
</tbody>
</table>

#### Part Numbers

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2-EXT-16-WM</td>
<td>Includes 16 portal license, wall mount</td>
</tr>
<tr>
<td>S2-EXT-16-RM</td>
<td>Includes 16 portal license, rack mount</td>
</tr>
</tbody>
</table>

For additional integration information, contact sales@s2sys.com.

---

For more information, please visit www.s2sys.com.

© 2016 S2 Security Corporation. All rights reserved. S2 Security, S2 NetBox, S2 NetVR, S2 Global, S2 Mobile Security Officer and S2 Magic Monitor are registered trademarks of S2 Security Corporation. Third-party trademarks are the property of their respective owners. Data subject to change without notice.
Overview
EDWARDS brand intelligent life safety systems offer the power of high-end intelligent processing in configurations that deliver uncomplicated solutions for small to mid-sized applications. With intelligent detection, electronic addressing, automatic device mapping, optional Ethernet® connectivity, and a full line of easily-configured option cards and modules, these flexible systems offer versatility that benefits building owners and contractors alike.

The iO64 provides one Class A or Class B intelligent device loop that supports up to 64 device addresses, and two Class B Notification Appliance Circuits (NACs). Optional Class A device wiring is available with the use of a module.

The iO1000 provides one Class A or Class B intelligent device loop that supports up to 250 device addresses. Loop controller modules may be added in combination to expand total system capacity in 250-point increments to up to 1,000 device addresses. The iO1000 panel includes four NACs that may be wired for either Class A or Class B operation.

The RZI16-2 module adds even more capacity to iO installations by adding up to 16 conventional device circuits and two additional notification appliance circuits. This makes them an ideal retrofit solution that can accommodate new intelligent detectors, as well as existing conventional devices.

iO Series supports a wide range of high-end features, including:
- Signature Series intelligent modules, detectors, and bases
- R-Series remote annunciators
- SIGA-REL Releasing Modules
- Fully integrated CO detection using Signature Series detectors with or without audible signaling

Features
- Auto-programming speeds installation time
- Supports Signature Series intelligent modules and detectors
- Combines the Signature intelligent releasing module with Signature multisensor detectors for reliable fire suppression
- Form C contacts for alarm and trouble, Form A for supervisory
- Electronic addressing with automatic device mapping
- Optional Ethernet port for diagnostics, programming and a variety of system reports
- Two programmable switches with LEDs and custom labeling
- Supports Genesis horn silence over two wires, and UL 1971-compliant strobe synchronization
- Class B or Class A wiring
- Ground fault detection by module
- Supports up to eight serial annunciators, (LCD, LED-only, and graphic interface)
- Can use existing wiring for most retrofit applications
- Upload/download remotely or locally
- Two-level maintenance alert reporting
- Pre-alarm and alarm verification by point
- Adjustable detector sensitivity
- 4 x 20 character backlit LCD display
- Optional earthquake hardening: seismic Importance Factor 1.5
- Standalone operation
- Transmission test frequency by hour
Application
EDWARDS iO Series life safety systems are powerful intelligent solutions for small to mid-sized buildings. Advanced intelligent technology delivers the benefits of flexible system installation, while clean and easy-to-operate user interfaces make panel operation and system maintenance quick and intuitive.

The smart choice
Signature Series electronic addressing eliminates the tedium of setting dipswitchs, and automatic device mapping ensures that each device resides on the system at its correct location. Meanwhile, innovative programming allows the designer to customize the system to precisely suit the needs of the building owner.

Reliability you can count on
The inherent fault-tolerant characteristics of Analog/Addressable Technology boosts the reliability of EDWARDS fire alarm systems. When combined with iO Series smoke and heat detectors, these systems deliver a level of dependability not previously available for small to mid-sized applications. All EDWARDS systems are built to exacting reliability benchmarks and meet international standards for quality, in addition to agency listings for dependability.

Clear-cut remote annunciation
Remote annunciation is a strong suit of the iO Series fire alarm systems. Up to eight annunciators can be installed on a single system. Compatible annunciators include a range of LED and LCD models that provide zone or point annunciation, as well as common control capabilities. iO control panels also support graphic annunciation with optional RA Graphic Annunciator interface modules. Each interface provides common control and 32 LEDs.

Programming and remote diagnostics
EDWARDS iO Series life safety systems are simple to set up, yet offer advanced programming features that put these small building panels into a class of their own. The auto programming feature quickly gets the panel operational using factory default settings. Basic zone and point settings can be programmed through the front panel interface, so the system is up and running in no time.

For more advanced system configuration and correlation groups programming, iO Series systems interface to a PC running compatible IO-CU software. This option offers full system configuration in the familiar Windows® operating environment. Connection is made to a laptop through the panel's optional RS-232 communications port, which can also be used to connect a system printer.

Among the many innovative features of iO Series control panels is the optional network card. This module provides a standard 10/100 Base T Ethernet® network connection that permits access to the control panel from any remote location with the correct communications protocols. The connection can be used to download the panel from the IO-CU, or upload and view system reports using the IO-CU.

Available system reports include:
- Correlation groups
- Device details
- Device maintenance
- History
- Internal status
- System configuration
- System status
- Walk test
- CO runtime

Flexibility built right in
Two fully-programmable front panel switch/LED combinations provide an added measure of flexibility. Their slide-in labels take the mystery out of custom applications, and present a clean finished appearance.

Perfect for retrofits
EDWARDS iO Series control panels are particularly well-suited to retrofit applications. All connections are made over standard wiring – no shielded cable required. This means that in most situations existing wiring can be used to upgrade a legacy control panel to iO technology without the expense or disruption of rewiring the entire building. iO control panels also support the ingenious RZ16-2 Zone Module, which adds up to 16 conventional circuits and two NACs. This combination easily accommodates new intelligent detection alongside existing conventional circuits, making it an superior solution in the retrofit market.

Signals with a difference
iO system NACs are configurable to fully support the advanced signaling technology of EDWARDS Genesis and Enhanced Integrity notification appliances. These devices offer precision synchronization of strobes to UL 1971 standards. For Genesis devices, enabling this feature allows horns to be silenced while strobes on the same two-wire circuit continue to flash until the panel is reset.

A complete line of accessories
iO Series life safety systems are supported by a complete line of analog/addressable detectors, modules and related equipment. Consult the Ordering Information section for details.

Dimensions

![Dimensions Diagram](Image)

**Panel dimensions, in (cm)**

<table>
<thead>
<tr>
<th>Model</th>
<th>D1</th>
<th>D2</th>
<th>D3</th>
<th>D4</th>
<th>D5</th>
<th>D6</th>
<th>D7</th>
<th>D8</th>
<th>D9</th>
</tr>
</thead>
<tbody>
<tr>
<td>iO1000</td>
<td>28.0</td>
<td>3.85</td>
<td>9.0</td>
<td>22.0</td>
<td>15.75</td>
<td>10.25</td>
<td>4.4</td>
<td>28.2</td>
<td>6.8</td>
</tr>
<tr>
<td>iO64</td>
<td>21.5</td>
<td>3.85</td>
<td>7.5</td>
<td>15.5</td>
<td>14.25</td>
<td>10.25</td>
<td>4.5</td>
<td>21.7</td>
<td>5.5</td>
</tr>
</tbody>
</table>

* Add 1-1/2 in. (3.81 cm) to D1 and D5 dimensions for trim kit. The trim kit provides 0.75 inches (1.9 cm) of trim to the top, bottom, and sides of the backbox.
Each iO1000 panel has room for up to two Signature loop controller modules in any combination of single or dual 250-device loops. iO1000 loops support 125 detectors and 125 modules.

Each iO64 panel ships with one Signature loop controller that supports 64 devices of any type. This panel's device capacity cannot be expanded.
Signature device loop
The system provides one Signature device loop circuit with a total capacity of 125 detectors and 125 module addresses. The loop circuit is supervised for opens, shorts, and grounds.

<table>
<thead>
<tr>
<th>Circuit specifications</th>
<th>iO1000</th>
<th>iO64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device loops</td>
<td>One Class B or A loop, supporting 125 detectors and 125 modules. Expandable to four loops.</td>
<td>One Class B or A loop, supporting 64 devices of any kind.</td>
</tr>
<tr>
<td>Communication line voltage</td>
<td>Maximum 20 V peak-to-peak</td>
<td></td>
</tr>
<tr>
<td>Circuit current</td>
<td>0.5 A max</td>
<td></td>
</tr>
<tr>
<td>Circuit impedance</td>
<td>66Ω total, 0.5 µF, max</td>
<td></td>
</tr>
<tr>
<td>Isolators</td>
<td>64 maximum</td>
<td></td>
</tr>
<tr>
<td>Signal Synchronization</td>
<td>Supported on a system-wide basis (all device loops) when using a SIGA-CC1S or SIGA-MCC1S module and Genesis or Enhanced Integrity notification appliances.</td>
<td></td>
</tr>
</tbody>
</table>

Notification appliance circuits (TB2)
iO1000 control panels come equipped with four notification appliance circuits. iO64 control panels come with two NACs. Each circuit can be individually configured for continuous, temporal, synchronized, and coded output.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>iO1000</th>
<th>iO64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit Type</td>
<td>4 Class B or 2 Class A</td>
<td>2 Class B or 2 Class A with SA-CLA module</td>
</tr>
<tr>
<td>Voltage</td>
<td>24 VFWR</td>
<td></td>
</tr>
<tr>
<td>Current</td>
<td>6.0 A total, 2.5 A max. per circuit at 120/230 VAC 60 Hz. 5.0 A total, 2.5 A max. per circuit at 230 VAC 50 Hz.</td>
<td>3.75 A total, 2.5 A max. per circuit at 120/230 VAC 60 Hz. 3.0 A total, 2.5 A max. per circuit at 230 VAC 50 Hz.</td>
</tr>
<tr>
<td>Impedance</td>
<td>26 Ω total, 0.35 µF max</td>
<td></td>
</tr>
<tr>
<td>EOLR</td>
<td>15 KΩ, ½ W</td>
<td></td>
</tr>
<tr>
<td>Synchronization</td>
<td>Supported system-wide</td>
<td></td>
</tr>
</tbody>
</table>

Auxiliary & smoke power outputs (TB3)
The control panel provides two auxiliary power outputs that can be used for powering ancillary equipment such as remote annunciators and two-wire smoke detectors. Aux 2 can be software selected to operate continuously. The circuit is supervised for shorts and grounds.

<table>
<thead>
<tr>
<th>Circuit specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit voltage range</td>
</tr>
<tr>
<td>Repeatability circuit</td>
</tr>
<tr>
<td>Continuous circuit</td>
</tr>
</tbody>
</table>

Note: Any current above 0.5 amp connected to both Aux 1 and 2 will reduce the total available NAC power by that amount.

Alarm, trouble, and supervisory relay (TB3)
The trouble relay is normally-open, held closed, and opens on any trouble event or when the panel is de-energized. The supervisory relay is normally-open, and closes on any supervisory event. The alarm relay changes over on any alarm event.

Relay specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Alarm</th>
<th>Trouble</th>
<th>Supervisory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Form C</td>
<td>Form A</td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>24 VDC at 1 A resistive</td>
<td>24 VDC at 1 A resistive</td>
<td></td>
</tr>
</tbody>
</table>

Relay circuits can only be connected to power-limited sources.

Annunciator loop (TB4)
The control panel provides a connection for up to eight serially driven and supervised remote annunciators.

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device loops</td>
</tr>
<tr>
<td>Circuit voltage</td>
</tr>
<tr>
<td>Circuit current</td>
</tr>
<tr>
<td>Circuit impedance</td>
</tr>
</tbody>
</table>

Marking indicates output signal polarity when the circuit is active. Polarity reverses when the circuit is not active. Wire notification appliances accordingly. Notification appliance polarity shown in active state.
Option Cards

EDWARDS IO Series panels are supported by a complete line of modules and related equipment that enhance performance and extend system capabilities. Option cards plug directly into the control panel main circuit board or are connected to it with a ribbon cable. After installation, terminals remain accessible. The cabinet provides ample room for wire routing, keeping wiring neat at all times.

Single and Dual Loop Controller Cards

The iO-SDC1 is a single loop controller card that can be used with the iO64 as a replacement for the standard 64-point loop, or with the iO1000 as a 250-point expansion module.

The iO-SDC2 is a 500-point dual loop controller card for the iO1000 that provides two SLC circuits, each with 125 detector addresses and 125 module addresses.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>iO-SDC1</th>
<th>iO-SDC2</th>
</tr>
</thead>
</table>
| Device Addresses | iO1000: one loop, 250 device addresses  
I064: 64 addresses | iO1000: two loops, 500 device addresses |
| Wiring          | Class B or Class A                          |                                             |
| Operating Voltage | 24 VDC                                      |                                             |
| Operating Current (fully loaded loop) | Standby: 55 mA  
Alarm: 80 mA | Standby: 45 mA  
Alarm: 70 mA |

Note: These ratings do not include the use of two-wire smoke modules.

Communication Line Voltage | Max. 20.6 V peak-to-peak |
Terminal Rating | 12 to 18 AWG (0.75 to 2.5 mm²) |
Circuit Current | 0.5 A max. |
Max total loop resistance | 66 Ω |
Max total loop capacitance | 0.5 μF |
Isolators | 64 isolators maximum per loop (total both isolator bases and modules) |
Ground Fault Impedance | 0 to 5 kΩ |
Operating Environment | 32 to 120°F (0 to 49°C)  
0 to 93% noncondensing at 90°F (32°C) |

SA-ETH Ethernet Interface Card

The SA-ETH card provides a standard 10/100 Base T Ethernet network connection for connecting to an intranet, a local network, or the Internet. The card can be used to download configuration programming from the iO-CU to the panel.

The Ethernet card is installed on the plastic assembly and connects to the main circuit board via a ribbon cable.

<table>
<thead>
<tr>
<th>SA-ETH specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet</td>
<td>10/100 Base T</td>
</tr>
</tbody>
</table>
| Operating environment Temperature | 32 to 120°F (0 to 49°C)  
Humidity | 0 to 93% RH, noncondensing at 90°F (32°C) |

RZI16-2 Remote Zone Interface Module

The RZI16-2 Addressable Remote Zone Interface Module is an addressable device that provides connections for sixteen Class B Initiating Device Circuits and two Class B Supervised Output Circuits. The inputs and outputs can be configured individually for several device types.

It requires 18 consecutive addresses on the Signaling Line Circuit (SLC). Addresses are assigned electronically. There are no address switches to set.

The RZI16-2 incorporates two 8-segment DIP switches that are used to select the Alarm or Supervisory default device type for each of the 16 IDC circuits. The module also includes one 4-segment DIP switch used to select the default Relay or NAC output device type. Device types other than the default are accomplished through programming.

<table>
<thead>
<tr>
<th>RZI16-2 Specifications</th>
<th></th>
</tr>
</thead>
</table>
| Voltage | 24V/Aux nominal: 24 VDC  
Supervisory current: 250 mA at 24 VDC nominal |
| Alarm Current | 1000 mA  
24V/Aux minimum: 18.4 VDC  
24V/Aux maximum: 26.4 VDC |
| NAC1, NAC2 nominal | 24 VDC |
| Current Standby current | 4.8 mA/ circuit  
for 4.7 k EOL (U.S.)  
Standby current for 3.9 k EOL (Canada) | 5.7 mA/ circuit  
Alarm current at nominal voltage | 31.1 mA/ circuit |
| Current | Relay outputs  
Quantity | 2 |
| Type Rating (pilot duty) | Programmable 24 VDC at 2.5 A |
| Input circuit wiring resistance | 25 Ω per wire |
| Intiating device circuits | 16 |
| EOL resistor | 4.7 kΩ (U.S.); 3.9 kΩ Canada  
Zone voltage | 22.78 V for 4.7 kΩ (U.S.)  
22.08 V for 3.9 kΩ (Canada) |
| Alarm current | 31.1 mA/ channel at nominal voltage  
Alarm impedance range | $680 Ω  
Trouble impedance range | > 5.56 kΩ |
| Supervised output circuits | 15 kΩ  
Quantity | 2  
Short circuit detection | < 2.6 kΩ  
Open circuit detection | > 61.9 kΩ |
| Contact ratings | 24 VDC at 2.5 A (5 A for two NACs) |
| Compatible cabinets | MFC(A), IO1000, APS |
SA-DACT Dialer
The SA-DACT provides communications between the control panel and the central station over a telephone line system. It transmits system status changes (events) to a compatible digital alarm communicator receiver over the public switched telephone network. The dialer is capable of single, dual, or split reporting of events to two different account and telephone numbers. The modem feature of the SA-DACT can also be used for uploading and downloading panel configuration, history, and current status to a PC running the iO-CU.

SA-DACT wiring
Phone cables (supplied)
To wall phone jack
Phone line 1
Phone line 2
SA-DACT

The dialer phone lines connect to connectors on the dialer’s main circuit board. Phone line 1 connects to connector J4 and phone line 2 connects to connector J1.

SA-DACT specifications
Phone line type One or two loop-start lines on a public, switched network
Phone line connector RJ-31/38X (C31/38X)
Communication formats Contact ID (SIA DC-06)
Operating environment
Temperature 32 to 120°F (0 to 49°C)
Humidity 0 to 93% RH, noncondensing at 90°F (32°C)

Compatible DACRs
Receiver Models Formats
Ademco 685 Contact ID
FBII CP220 Contact ID
Osborne-Hoffman OH 2000 Contact ID
Bosch D6600 Contact ID
Silent Knight 9800 Contact ID
Sur-Gard SG-MLR1, MLR2 Contact ID

SA-232 RS-232 interface
The SA-232 card provides an RS-232 interface with iO panels. It can be used for connecting a printer to the control panel to print system events. The card also can be used for connecting a computer to download a configuration program from the iO-CU to the control panel.

The RS-232 card is installed on the plastic assembly and connects to the main circuit board via a ribbon cable.

SA-232 specifications
Operating voltage Standard EIA-232
Terminal rating 12 to 18 AWG (0.75 to 2.5 sq mm)
Operating environment
Temperature 32 to 120°F (0 to 49°C)
Humidity 0 to 93% RH, noncondensing at 90°F (32°C)

SA-CLA Class A Module (iO64 only)
The SA-CLA card provides Class A capability for NAC wiring. Its terminal block provides the wiring connection for NAC return wiring. The card is required for annunciator Class A wiring even though this wiring does not return to the SA-CLA card. The SA-CLA is compatible with iO64 control panels only. iO1000 panels are Class A Ready. The SA-CLA is installed directly to the control panel circuit board using its plastic standoffs and plug connection.

SA-CLA specifications
Operating voltage 24 VfWR
Operating current 3.75 A FWR total at 120/230 VAC 60 Hz
3.0 A FWR total at 230 VAC 50 Hz
2.5 A max per circuit
Circuit impedance 26 ohms, 0.35uF
Terminal rating 12 to 18 AWG (0.75 to 2.5 sq mm)
Operating environment
Temperature 32 to 120°F (0 to 49°C)
Humidity 0 to 93% RH, noncondensing at 90°F (32°C)

D16L-iO LED Display Expander (iO1000 only)
The D16L-iO LED Display Expanders provide LED annunciation for up to 16 zones. It provides two LEDs for each zone. Two D16L-iO LED display expanders can be installed in each iO1000 panel.

1) LED 1
2) LED 2
3) LED Expander 1
4) LED Expander 2
5) Alarm/non-alarm and trouble zone LEDs
## Specifications

<table>
<thead>
<tr>
<th>Device loops</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 loop Class B or Class A (Styles 4, 6, 7) supporting up to 64 device addresses (any combination of detectors and modules)</td>
<td></td>
<td>1 loop, expandable to 4, Class A or B (Styles 4, 6, 7), each loop supporting up to 250 device addresses (125 detectors and 125 modules max.). Addresses 1 to 125 are for detectors and addresses 126 to 250 are for modules</td>
</tr>
<tr>
<td>Maximum T-taps: 63 (each device can be on its own branch)</td>
<td></td>
<td>Maximum T-taps/loop: 124</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Notification appliance circuits</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Class B (Style Y), Class A (Style Z) optional</td>
<td></td>
<td>4 Class B (Style Y) or 2 Class A (Style Z)</td>
</tr>
<tr>
<td>3.75 A FWR total at 120/230 VAC 60 Hz</td>
<td></td>
<td>6.0 A FWR total at 120/230 VAC 60 Hz</td>
</tr>
<tr>
<td>3.0 A FWR total at 230 VAC 50 Hz</td>
<td></td>
<td>5.0 A FWR total at 230 VAC 50 Hz</td>
</tr>
<tr>
<td>2.5 A FWR each max. per circuit</td>
<td></td>
<td>2.5 A FWR each max. per circuit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Primary power</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC, 60 Hz, 1.3 A max.</td>
<td></td>
<td>120 VAC, 60 Hz, 2.0 A max.</td>
</tr>
<tr>
<td>230 VAC, 50-60 Hz, 0.62 A max.</td>
<td></td>
<td>230 VAC, 50-60 Hz, 0.97 A max.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Base panel current standby</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>155 mA</td>
<td></td>
<td>172 mA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Base panel current alarm</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>204 mA</td>
<td></td>
<td>267 mA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Input zones</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 max.</td>
<td></td>
<td>32 max.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remote annunciator</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 drops max., RS-485 Class B, Class A is optional</td>
<td></td>
<td>8 drops max., RS-485 Class A or B</td>
</tr>
<tr>
<td>Data line length: 4,000 ft. (1,219 m)</td>
<td></td>
<td>Data line length: 4,000 ft. (1,219 m)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating voltage</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 VDC panel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Auxiliary power output circuit</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aux power 1: 500 mA, 24 VDC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aux power 2: 500 mA, 24 VDC (1 A possible if you reduce total available NAC power by 500 mA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output: 28.3 to 21.9 VDC, special application</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: For a list of compatible devices, see the iO64 and iO1000 Series Compatibility List (P/N 3102353-EN)*

<table>
<thead>
<tr>
<th>Loop circuit</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum loop resistance: 66 Ω</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum loop capacitance: 0.5 µF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication line voltage: Maximum 20.6 V peak-to-peak</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating current (fully loaded loop) Stand by: 55 mA/45 mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alarm: 125 mA/115 mA (not including two-wire smoke modules)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circuit current: 0.5 A max. Style 4, 6, and 7 wiring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. resistance between isolators: Limited only by overall wire run lengths</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64 isolators maximum per loop (total both isolator bases and modules)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Batteries</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Sealed lead acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage: 24 VDC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charging current: 2.47 A max. Amp hour capacity: 26 Ah</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standby operation: 24 hour or 60 hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Placement: Up to two 10 Ah batteries will fit in the iO64 control panel cabinet and two 18 Ah batteries will fit in the iO1000 control panel cabinet. If larger batteries are required, use an EDWARDS battery cabinet.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SA-DACT dialer</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone line type: One or two loop-start lines on a public, switched network</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone line connector: RJ-31/38X (C31/38X)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication formats: Contact ID (SIA DC-05)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating current Standby/Alarm: 41 mA Max.: 100 mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FCC registration number: GESAL01BSADACT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry Canada Registration number: 3944A-SADACT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ringer equivalence number: 0.1B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ground fault impedance</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 5 kΩ</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Alarm contact</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form C N.O. 24 VDC at 1 A (resistive load)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trouble contact</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form C 24 VDC at 1 A (resistive load)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supervisory contact</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form A N.O. 24 VDC at 1 A (resistive load)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature: 0 to 49°C (32 to 120°F) Relative humidity: 0 to 93% noncondensing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Terminal rating</th>
<th>iO64</th>
<th>iO1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>All terminals rated for 12 to 18 AWG (0.75 to 2.5 mm²)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Ordering Information

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>iO1000 Fire Alarm Systems</strong></td>
<td></td>
</tr>
<tr>
<td>I01000G</td>
<td>Four loop system with one 250-point loop installed. 110v, gray door.</td>
</tr>
<tr>
<td>I01000G-2</td>
<td>Four loop system with one 250-point loop installed. 230v, gray door.</td>
</tr>
<tr>
<td>I01000G-2-PG</td>
<td>Four loop system with one 250-point loop installed. 230v, gray door, Portuguese.</td>
</tr>
<tr>
<td>I01000G-2-SP</td>
<td>Four loop system with one 250-point loop installed. 230v, gray door, Spanish.</td>
</tr>
<tr>
<td>I01000G-CA</td>
<td>Four loop system, one 250-point loop installed. 110v, gray door, LED strips, Canada.</td>
</tr>
<tr>
<td>I01000G-F</td>
<td>Four loop system, one 250-point loop. 110v, gray door, LED strips, French Canada.</td>
</tr>
<tr>
<td>I01000G-PG</td>
<td>Four loop system with one 250-point loop installed. 110v, gray door, Portuguese.</td>
</tr>
<tr>
<td>I01000G-SP</td>
<td>Four loop system with one 250-point loop installed. 110v, gray door, Spanish.</td>
</tr>
<tr>
<td>I0100R</td>
<td>Four loop system with one 250-point loop installed. 110v, red door.</td>
</tr>
<tr>
<td>I0100RD-2</td>
<td>Four loop system with one 250-point loop installed. 230v, red door.</td>
</tr>
<tr>
<td>SA-TRIM2</td>
<td>iO1000 Flush mount trim, black.</td>
</tr>
</tbody>
</table>

| **iO64 Fire Alarm Systems** | |
| I064G   | One loop system with one 64-point loop installed. 110v, gray door. |
| I064G-2 | One loop system with one 64-point loop installed. 230v, gray door. |
| I064G-2-PG | One loop system with one 64-point loop installed. 230v, gray door, Portuguese. |
| I064G-2-SP | One loop system with one 64-point loop installed. 230v, gray door, Spanish. |
| I064GD  | One loop system, one 64-point loop installed. 110v, gray door, with dialer. |
| I064GL  | One loop system, one 64-point loop installed. 110v, gray door, English Canada. |
| I064GL-F | One loop system, one 64-point loop installed. 110v, gray door, French Canada. |
| I064G-PG | One loop system with one 64-point loop installed. 110v, gray door, Portuguese. |
| I064G-SP | One loop system with one 64-point loop installed. 110v, gray door, Spanish. |
| I064R   | One loop system with one 64-point loop installed. 110v, red door. |
| I064R-2 | One loop system with one 64-point loop installed. 230v, red door. |
| I064RD  | One loop system, one 64-point loop installed. 110v, red door, with dialer. |
| SA-TRIM1 | iO64 Flush mount trim, black. |

| **Option Cards** | |
| IO-SDC1 | Expansion module, one 250-device loop. |
| IO-SDC2 | Expansion module, two 250-device loops, 500 devices total. For iO1000 only. |
| RZ16-2 | Remote Zone Interface Module, 16 Class B IDcs, 2 Class B Output. Includes bracket. |
| SA-DAC1 | Dual Line Dialer/Modem, supports Contact ID, mounts in cabinet on base plate. |
| SA-232 | RS-232 Serial Port for connection to printers & computers, mounts in cabinet. |
| SA-CLA | Class A adapter module. Provides Class A capacity on NACs. Mounts in cabinet on main board. iO64 systems only. |
| D16L-I0-2 | LED Annunciator module, 16 X 2-LED zones (4 programmable for sup). Mounts in cabinet to right of LCD display for zones 17-32. For iO1000 only. |
| D16L-I0-1 | LED Annunciator module, 16 X 2-LED zones (4 programmable for sup). Mounts in cabinet to left of LCD display for zones 1-16. For iO1000 only. |
| D8RY-I0-2 | **Canada only:** LED Annunciator module, two LEDs per zone, 16 zones (4 alarm only, 8 supervisory only, 4 alarm or supervisory). Mounts in cabinet. For iO1000 only. |
| D8RY-I0-1 | **Canada only:** LED Annunciator module, two LEDs per zone, 16 zones (4 alarm only, 8 supervisory only, 4 alarm or supervisory). Mounts in cabinet. For iO1000 only. |

| **Accessories** | |
| CTM | City Tie Module, 2-gang. Connection to a local energy fire alarm box. |
| MFC-A | Multifunction Fire Cabinet, 8" x 14" x 3.5" - red. |
| SIGA-REL | Releasing Module |
| PT-1S | System Printer |
| BC-1 | Battery Cabinet. 14.0" x 18.25" x 7.25". Holds two 12V24A batteries. |
| BC-1R | Battery Cabinet - Red. 14.0" x 18.25" x 7.25". Holds two 12V24A batteries. |
| BC-1EQ | Seismic hardening Kit for iO series panels. Includes battery hardening for BC-1 enclosure and components to harden panel internal components. |

| **Programming Tools** | |
| IO-CU | IO Series configuration and diagnostics utility. |
| 266097 | RS-232 cable, 4 conductor, D89 PC interface |
Prepared For:
East Grand Forks Police Dept
520 DeMers Ave
East Grand Forks MN 56721

Prepared By:
Jason Brandt
Account Rep
jbrandt@electrowatchman.com

Michael Hedlund
218-773-2283
mhedlund@egf.mn

Project Scope:

Annual system fee's

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>S2- BUILDING ACCESS SYSTEM</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>● S2 does not require you to have a Software Upgrade &amp; Support Plan (SUSP). But a valid SUSP is required in order to:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>* Receive any new software updates/patches</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>* To do any license upgrades/additions</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>* &amp; in the event that S2 Tech Support is needed on your system - it allows Electro Watchman to contact S2 Tech Support on your system (if S2 Tech support is needed on an issue that we can't resolve ourselves)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Customer has option of doing 1 year at a time or multiple year (2 or 3 years) at a time</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>● you get your first year of SUSP included with your new system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1 YEAR OF S2-SUSP (SUSP WOULD EXPIRE 9-1-2022)</td>
<td>$411.00</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2 YEAR OF S2-SUSP (SUSP WOULD EXPIRE 9-1-2023)</td>
<td>$712.00</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>3 YEAR OF S2-SUSP (SUSP WOULD EXPIRE 9-1-2024)</td>
<td>$1,017.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● for each year of a purchased SUSP- Electro Watchman will also do a site visit to apply any software updates/patches, make sure that the system is back up correctly &amp; to check any system batteries</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>● if you let your SUSP expire and decide you want/need it 5 years from now- you are NOT required to &quot;backpay&quot; for the previous years of no SUSP, you would purchase an Expired SUSP- which is about $100-150 more than the prices quoted above</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>● the SUSP is based off of reader count &amp; any additional license you may have and if the current SUSP is expired or not</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>OSSI - HOLDING CELL ACCESS SYSTEM</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td><strong>OSSI annual SMA</strong></td>
<td>$1,094.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● (1) SMA PACKAGE 1, 50 DOORS, 25 CAMERAS, 250 IO, 1 LICENSE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>● (2) SMA ONE DRIVER MODULE (INTERCOM &amp; CAMERA DRIVER)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
|     | The SMA is needed for OSSI factory support for updates, upgrades, catastrophic server failure, and / or license loss, which would result in system failure. If you decide to move the software to a different server or workstation without a valid SMA you will have to catch up for the years that the SMA wasn't renewed or repurchase the software. Whichever is less expensive.
<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>FIRE ALARM MONITORING OPTIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• <em>not sure if your current fire alarm system is monitored or not (due to the building being staffed 24/7) but if it is- here are a couple of monitoring options</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>OPTION #1- FIRE MONITORING VIA 2) ANALOG PHONE LINES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>FIRE ALARM MONITORING (VIA PHONE LINE)</td>
<td>$29.95</td>
<td>$359.40</td>
</tr>
<tr>
<td></td>
<td>• Customer to provide 2 analog phone lines</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Customer to have the 2 analog phone lines at the fire control panel location</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>OPTION #2- FIRE MONITORING VIA CELL MODULE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>FIRE ALARM MONITORING (VIA CELL MODULE)</td>
<td>$57.95</td>
<td>$695.40</td>
</tr>
<tr>
<td></td>
<td>• Monitoring includes: fire monitoring, cellular data plan &amp; lease of the cell module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1 TIME INSTALL CHARGE (TO INSTALL THE CELL EQUIPMENT)</td>
<td>$250.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• no phone lines are needed with this option</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>OPTION TO ADD ANNUAL FIRE ALARM INSPECTION (ADD TO THE MONITORING OPTION ABOVE)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>ANNUAL FIRE INSPECTION</td>
<td>$7.00</td>
<td>$84.00</td>
</tr>
</tbody>
</table>

**Additional Notes:**

1 year warranty applies to all Electro Watchman installed equipment & workmanship
**Prepared For:**
East Grand Forks Police Dept  
520 DeMers Ave  
East Grand Forks MN 56721

**Prepared By:**
Jason Brandt  
Account Rep  
jbrandt@electrowatchman.com

Michael Hedlund  
218-773-2283  
mhedlund@egf.mn

**Project Scope:**
S2 controller & license options

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S2 EXTREME CONTROLLER- RACK MOUNT ENCLOSURE WITH 16 PORTAL LICENSE.</td>
<td>$2,867.00</td>
<td>$2,867.00</td>
</tr>
<tr>
<td>1</td>
<td>S2 EXTREME CONTROLLER- RACK MOUNT ENCLOSURE WITH 32 PORTAL LICENSE.</td>
<td>$4,107.00</td>
<td>$4,107.00</td>
</tr>
<tr>
<td>1</td>
<td>S2 EXTREME CONTROLLER- RACK MOUNT ENCLOSURE WITH 64 PORTAL LICENSE.</td>
<td>$8,525.00</td>
<td>$8,525.00</td>
</tr>
<tr>
<td>1</td>
<td>S2 EXTREME CONTROLLER- RACK MOUNT ENCLOSURE WITH 128 PORTAL LICENSE.</td>
<td>$12,090.00</td>
<td>$12,090.00</td>
</tr>
</tbody>
</table>

*the above come in rack mount or wall mount options*

**LICENSE INCREASE OPTIONS**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Unit Price</th>
<th>Ext. Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INCREASES PORTAL CAPACITY FROM 16 PORTALS TO 32 PORTALS. FOR USE WITH S2 NETBOX OR S2 NETBOX EXTREME.</td>
<td>$1,741.00</td>
<td>$1,741.00</td>
</tr>
<tr>
<td>1</td>
<td>INCREASES PORTAL CAPACITY FROM 32 PORTALS TO 64 PORTALS. FOR USE WITH S2 NETBOX EXTREME.</td>
<td>$4,109.00</td>
<td>$4,109.00</td>
</tr>
<tr>
<td>1</td>
<td>INCREASES EXISTING S2 NETBOX EXTREME AND S2 NETBOX ENTERPRISE SYSTEM LICENSE IN 64 PORTAL INCREMENTS.</td>
<td>$3,599.00</td>
<td>$3,599.00</td>
</tr>
</tbody>
</table>

*after you get to 64 portals- all future license increases would be 64 portal increases*

**ADDITIONAL INFO**

- S2 also has a Virtual Machine option- if you wanted to provide your own server
- S2 also has 2 Enterprise controllers that can go up to 1,792 & 7,168 portals (& if you out grow the Extreme 128 controller, you are able to "trade it in" toward an Enterprise controller)

**Additional Notes:**
1 year warranty applies to all Electro Watchman installed equipment & workmanship
The below information was provided to Johnson Controls, HB Sound & Light and Electro Watchman as part of an e-mail requesting estimates/quotes for this project.

1) Holding Cell Access Control System
"High Security" (in and out) system to control and monitor (i.e. door and lock positions supervised) misc. access doors (see paragraph following #4 for detailed information on all building doors). Also be able to control lights in cells. It should be controlled by an operator interface at dispatch point. Might also need a relay contact from the fire system to trigger "emergency mode". Should have hours of battery backup power available to it. I think most of the door hardware and wiring is in good shape, so we should just be looking at control system replacement, unless different functionality is required.

2) Holding Cell Intercom System
Be able to have two way communications between cells and dispatch. Per our IT staff there is a possibility we could look at putting devices in there that are tied into the main phone system.

3) Building Access Control System
May or may not be part of the same system as 1), this would provide badge access to the non-holding cell area doors of the building. Ideally we would like this to have the ability to become part of an open system here as part of a City wide managed system as the city has had repeated discussions of going to an access control system for all city buildings.

4) Fire Alarm system
Provide fire detection and annunciation throughout the whole building. Provide contact closures for access control systems to go into egress mode. Should meet current NFPA, state and local codes.

Our system has four adult cells and one juvenile holding room (we also have one unsecured juvenile room that cannot be locked by statute). Our door access system also covers three exterior doors (one on the front of the building and two on the rear), three overhead garage doors, two doors into our records storage area (these are normally open as we are staffed 24/7 but we must have the ability to secure them), two doors into the main part of the building from the lobby (one on each side of the room), one into our armory (weapons storage), one into our evidence room, one into a storage area off of the Sally Port, one into our mechanical room, two doors from the main building into the different ends of the booking/jail area, one door that goes into the jail cell run and then two doors from the Sally Port - one into the jail area and one into the main hallway. I believe that is 24 doors total (counting the overhead garage doors and the jail cells). These are all currently controlled by a control panel/computer system that has been in place since this building opened as a police department in the mid 1990's.
Request for Council Action

Date: July 7, 2020

To: East Grand Forks City Council Mayor Steve Gander, Council President Mark Olstad, Vice-President Chad Grassel; Council members Clarence Vetter, Dale Helms, Tim Riopelle, Tim Johnson, and Marc DeMers.

Cc: File

From: Reid Huttunen, Parks & Recreation

RE: Joint Use agreement with Independent School District 595

Background:
Throughout the year, the Parks & Recreation Dept. and ISD 595 share use of both City and School District athletic and park facilities for sports and recreation programming. In reviewing our plans for summer programming this year, we discovered we don’t have a written Joint Use agreement in place for the shared use of these facilities.

Attached is a written agreement which describes the use of these.

School District Facilities used by P&R Dept include the High School Tennis Courts, Middle School Tennis Courts, and Middle School baseball/softball complex.

P&R Department facilities used by School District include O’Leary Park soccer fields, Nash Park Soccer fields, and Stauss Park baseball fields.

Budget Impact:
No financial compensation is included for the use of the facilities.

Recommendation:
Please consider approval. The School Board will consider approval at their July 13th meeting.

Enclosure:
Joint Use Agreement
AGREEMENT BETWEEN SCHOOL DISTRICT NO. 595 AND THE CITY OF EAST GRAND FORKS, MN

THIS AGREEMENT, made and entered into this _____ day of June 2020 by and between the City of East Grand Forks Minnesota Parks and Recreation Department, a municipal corporation, hereinafter called “City” and School District No. 595, of the State of Minnesota hereinafter called “District.”

WITNESSETH

WHEREAS, the governing bodies of the City and the District are mutually interested in an adequate program of community athletics and recreation under the auspices of the City and District; and

WHEREAS, said governing bodies are authorized to enter into agreements with each other, and to do any and all things necessary to cultivate good citizenship by providing community use of facilities and athletic and recreation programs; and

WHEREAS, these publicly held lands should service residents as a whole to meet community needs for education, recreation, and open space; and

WHEREAS, in the interest of providing the best service with the least possible expenditure of public funds, full cooperation between the City and the District is necessary; and

WHEREAS, a joint use concept can assist with the maintenance and operation of outdoor facilities for their better utilization by both parties; and

WHEREAS, a Joint Use Agreement allows for and encourages the City and the District to work together in planning, development, scheduling, and joint use of facilities; and

WHEREAS, the District is making its outdoor school facilities available to the City for general community use.

WHEREAS, the City is making its outdoor Park and Recreation facilities available to the District for its general use.

NOW, THEREFORE, in consideration of this premise, said City and said District do now agree to cooperate with each other in carrying out the above purposes concerning community use of the outdoor recreational facilities to include but not limited to Senior High tennis courts, Middle School tennis courts, Middle School baseball and softball fields, Senior High softball field, the City’s Stauss Park baseball fields, the Nash Park soccer field, and the O’Leary Park soccer fields and agrees to that end as follows:

It is recognized that school properties and facilities and the City facilities are intended primarily for purposes and for the benefit of individuals of school age. It is therefore agreed that, in planning
community and recreation programs and scheduling activities on park and recreation and school grounds, the athletic and recreational needs and opportunities of such individuals will be well provided for.

The District will have priority use of its facilities during school hours.

The District will make available and the City will have access to and be given priority use of the District’s facilities during non-school or school event hours for the purpose of scheduling community and recreation activities.

The City will have priority use of its facilities for park and recreation programs.

The City will make available to the District and the District will have access to and be given priority use of the City’s facilities when they are not in use for City’s park and recreation programming.

A minimum notification of three (3) working days for cancellation of the use is required by the parties unless in case of an emergency.

Each party shall provide maintenance for their respective facilities.

The party using the facility shall be responsible for litter control during their scheduled or sponsored activities. Other users scheduled to use the facilities will have the same responsibility.

The City and the District agree to allow restrooms (i.e., seasonal, temporary, portable) if necessary, to be placed on site to accommodate field use. It will be the responsibility the City and the District to maintain their respective facilities.

A management committee, composed of the District Principal and Activities Director and the East Grand Forks Parks and Recreation Superintendent and their designees will meet at least once a year to consider problems, conflicts, development, operation, maintenance, scheduling and other policies. If the committee is unable to reach a solution on a particular matter, it will be referred to the Superintendent of Schools or designee and the City of East Grand Forks City Administrator or designee for resolution.

If either party believes that the other party is not fulfilling the performance obligations established by this Agreement, it shall give written notice of its complaint to the other party. The party receiving the complaint shall within thirty (30) days deny the complaint, correct the situation and/or respond in writing explaining the mitigating circumstances or why a remedy cannot be achieved.

Authority to terminate violations and unauthorized use of the field and nonscheduled use of the field will be the responsibility of the School District 595 Superintendent. The East Grand Forks Parks and Recreation Department Director, or their designee, will also have the authority to terminate such activity or violations at its facilities.
The District and the City shall jointly promulgate facility operating rules consistent with adopted District and City rules and regulations to insure the safety and welfare of the participants. The East Grand Forks City Code, Parks and Recreation Facilities Code, and School District Rules and regulations shall be followed with respect to enforcement for each party’s use.

The City will have access to and will assume responsibility and liability during its use of the District’s fields, including parking areas, service access roads, portable restrooms, and any assigned outdoor storage areas, during City scheduled programs and the District will assume this same responsibility and liability during their usage of the City’s facilities.

It is agreed that the District and the City will furnish and supply all materials necessary for carrying on their respective programs.

The Agreement shall be for an initial term through December 31, 2020 and shall automatically renew for one-year periods thereafter unless either party gives notice of termination in accordance with this section. Either party to this Agreement may terminate this joint use agreement with a written notice to the other party with 180 days written notice.

The City shall protect, defend, indemnify, and save harmless the District, its officers, employees, and agents from any and all costs, claims, judgments or awards of damages arising out of or in any way resulting from negligent acts or omissions of the City, its officers, employees or agents arising out of the use of the School District 595 facilities.

The District shall protect, defend, indemnify, and save harmless the City, its officers, employees, and agents from any and all costs, claims, judgments or awards of damages arising out of or in any way resulting from negligent acts or omissions of the District, its officers, employees or agents arising out of the use of the City’s facilities.

The City and the District shall each either maintain commercial comprehensive general liability policies or shall maintain self-insured liability loss exposures.

The City and the School District will not discriminate against any employee or applicant for employment or program participant because of race, creed, color, sex, age, national origin, marital status, physical or other motor handicap, unless based upon a bona fide occupational qualification.

This Agreement, together with attachments or addendums, represents the entire and integrated agreement between the City and the District and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both City and District.
IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on their behalf.

CITY OF EAST GRAND FORKS a municipal corporation,

________________________________________
David Murphy
City Administrator

________________________________________
Steven Gander
Mayor

SCHOOL DISTRICT NO. 595

By: _____________________________________
Name of board president
Board President

________________________________________
Name of superintendent
Superintendent
Request for Council Action

Date:    July 7, 2020

To:      East Grand Forks City Council Mayor Steve Gander, Council President Mark Olstad, Vice-President Chad Grassel; Council members Clarence Vetter, Dale Helms, Tim Riopelle, Tim Johnson, and Marc DeMers.

Cc:       File

From:    Reid Huttunen, Parks & Recreation

RE:       Sherlock Park equipment replacement

---

**Background:**
Four of the five slides at Sherlock Park are in need of replacement. I have received a quote from Play by Design, the designer of Sherlock Park, and all equipment and slides are specified to fit the original build of the playground.

Total price quote for four slides, one rope ladder, and freight is $13,721.00.

**Budget Impact:**
Equipment will be purchased through the Sherlock Park Maintenance funds provided by the Greater Grand Forks Community Foundation, which are specifically designated for Sherlock Park maintenance. There is currently $35,141.37 in this account.

**Recommendation:**
Please consider approval of the equipment purchase.

**Enclosure:**
Equipment quote from Play by Design
# Play By Design Invoice

**Project Name:** East Grand Forks Parks & Recreation  
**Date:** 7/1/2020

**Bill To:** East Grand Forks Parks & Recreation  
929 5th Ave NE  
East Grand Forks, MN 56721

**Contact:** Reid Huttunen, 701-520-2298

<table>
<thead>
<tr>
<th>Description</th>
<th>Units</th>
<th>Cost Per Unit</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>4' Straight Slide</td>
<td>1</td>
<td>$970.00</td>
<td>$970.00</td>
</tr>
<tr>
<td>4' Double Bedway Slide</td>
<td>1</td>
<td>$1,511.00</td>
<td>$1,511.00</td>
</tr>
<tr>
<td>7' Straight Slide</td>
<td>1</td>
<td>$3,440.00</td>
<td>$3,440.00</td>
</tr>
<tr>
<td>6' Closed Spiral Slide</td>
<td>1</td>
<td>$5,359.00</td>
<td>$5,359.00</td>
</tr>
<tr>
<td>Slide Supports</td>
<td>3</td>
<td>$47.00</td>
<td>$141.00</td>
</tr>
<tr>
<td>Cable Ladder</td>
<td>1</td>
<td>$1,250.00</td>
<td>$1,250.00</td>
</tr>
<tr>
<td>Freight</td>
<td>1</td>
<td>$1,050.00</td>
<td>$1,050.00</td>
</tr>
</tbody>
</table>

**Invoice Subtotal** $13,721.00  
**Tax Rate** 0.00%  
**Sales Tax** -  
**Other**  
**Deposit Received**  

**TOTAL** $13,721.00

*Please make checks payable to Play By Design. Invoice is due upon receipt.*
RESOLUTION NO. 20 – 07 – 44

RESOLUTION APPOINTING JUDGES

Council Member ______, supported by Council Member ______, introduced the following resolution and moved its adoption:

BE IT RESOLVED, By the City Council of the City of East Grand Forks that the following judges are appointed for the August 11th Primary Election and the November 3rd General Election in 2020.

Alternate Judges: Hanan Bawzer, Peggy McNelis, Emily Stenberg, and Dillon Nelson.

BE IT FURTHER RESOLVED, the administrator/clerk-treasurer is authorized to re-balance judges to different wards as needed in order to comply with state election laws; and

BE IT FURTHER RESOLVED, the judge’s hourly compensation is fixed at the following: chair judge at $13.00 per hour, and regular judge at $12.00 per hour.

Voting Aye:
Voting Nay:
Absent:

The President declared the resolution passed.

Passed: July 7, 2020

Attest:

_________________________________  _________________________________________
City Administrator/Clerk-Treasurer         President of the Council

I hereby approve the foregoing resolution this 7th day of July, 2020.

_____________________________________
Mayor
RESOLUTION NO. 20 – 07 – 45

WHEREAS, the City Council will be putting the revisions, additions, and corrections of the charter before the people for a vote at the November 3rd General Election.

NOW, THEREFORE, BE IT HEREBY RESOLVED

1. The City of East Grand Forks will be adding this to the General Election ballot.
2. The Election Day will be November 3, 2020.
3. There will be one question on the ballot to vote on and it will read as follows:

Instructions to Voters

To vote, completely fill in the oval(s) next to your choice(s) like this: ◯

To vote for a question, fill in the oval next to the word “Yes” for that question.
To vote against a question, fill in the oval next to the word “No” for that question.

CONSIDER PROPOSED REVISED CITY CHARTER

Shall the proposed revised charter be adopted?

☐ YES
☐ NO

BY VOTING “YES” ON THIS BALLOT QUESTION, YOU ARE VOTING YES FOR APPROVING THE REVISED CITY CHARTER

Voting Aye:
Voting Nay:
Absent:

The President declared the resolution passed.

Passed: July 7, 2020

Attest:

_________________________________  ___________________________________
Finance Director                          President of the Council

I hereby approve the foregoing resolution this 7th day of July, 2020.

_________________________________
Mayor
<table>
<thead>
<tr>
<th>Check</th>
<th>Date</th>
<th>Vendor No</th>
<th>Vendor Name</th>
<th>Amount</th>
<th>Voucher</th>
</tr>
</thead>
<tbody>
<tr>
<td>34289</td>
<td>07/07/2020</td>
<td>3DS001</td>
<td>3D Specialties</td>
<td>356.29</td>
<td>0</td>
</tr>
<tr>
<td>34290</td>
<td>07/07/2020</td>
<td>ACM001</td>
<td>Acme Electric Companies</td>
<td>1,071.58</td>
<td>0</td>
</tr>
<tr>
<td>34291</td>
<td>07/07/2020</td>
<td>ADV001</td>
<td>Advanced Business Methods Inc</td>
<td>1,390.99</td>
<td>0</td>
</tr>
<tr>
<td>34292</td>
<td>07/07/2020</td>
<td>ALB001</td>
<td>Albrecht Manufacturing</td>
<td>35.00</td>
<td>0</td>
</tr>
<tr>
<td>34293</td>
<td>07/07/2020</td>
<td>ALL003</td>
<td>All Seasons Garden Center</td>
<td>1,325.00</td>
<td>0</td>
</tr>
<tr>
<td>34294</td>
<td>07/07/2020</td>
<td>PET005</td>
<td>Allstate Peterbilt of Grand Forks</td>
<td>918.72</td>
<td>0</td>
</tr>
<tr>
<td>34295</td>
<td>07/07/2020</td>
<td>ALL011</td>
<td>Allstream</td>
<td>113.77</td>
<td>0</td>
</tr>
<tr>
<td>34296</td>
<td>07/07/2020</td>
<td>AMA001</td>
<td>Amazon.com</td>
<td>232.76</td>
<td>0</td>
</tr>
<tr>
<td>34297</td>
<td>07/07/2020</td>
<td>AME005</td>
<td>AmeriPride Services Inc</td>
<td>258.23</td>
<td>0</td>
</tr>
<tr>
<td>34298</td>
<td>07/07/2020</td>
<td>AND006</td>
<td>Robert Anderson</td>
<td>2,500.00</td>
<td>0</td>
</tr>
<tr>
<td>34299</td>
<td>07/07/2020</td>
<td>BAK001</td>
<td>Baker &amp; Taylor Co</td>
<td>1,197.54</td>
<td>0</td>
</tr>
<tr>
<td>34300</td>
<td>07/07/2020</td>
<td>BAT001</td>
<td>Batteries + Bulbs</td>
<td>21.28</td>
<td>0</td>
</tr>
<tr>
<td>34301</td>
<td>07/07/2020</td>
<td>BIE003</td>
<td>Dave Bies II</td>
<td>1,060.00</td>
<td>0</td>
</tr>
<tr>
<td>34302</td>
<td>07/07/2020</td>
<td>BRO002</td>
<td>Brodart Co</td>
<td>817.01</td>
<td>0</td>
</tr>
<tr>
<td>34303</td>
<td>07/07/2020</td>
<td>CEN005</td>
<td>Central Landscape Supply</td>
<td>53.15</td>
<td>0</td>
</tr>
<tr>
<td>34304</td>
<td>07/07/2020</td>
<td>CEN006</td>
<td>Century Link</td>
<td>61.13</td>
<td>0</td>
</tr>
<tr>
<td>34305</td>
<td>07/07/2020</td>
<td>CIN001</td>
<td>Cintas Corporation No. 2</td>
<td>263.82</td>
<td>0</td>
</tr>
<tr>
<td>34306</td>
<td>07/07/2020</td>
<td>GFC002</td>
<td>City of Grand Forks</td>
<td>168,192.00</td>
<td>0</td>
</tr>
<tr>
<td>34307</td>
<td>07/07/2020</td>
<td>CIV002</td>
<td>Civic Plus</td>
<td>682.50</td>
<td>0</td>
</tr>
<tr>
<td>34308</td>
<td>07/07/2020</td>
<td>COD001</td>
<td>Code 4 Services, Inc.</td>
<td>17,155.20</td>
<td>0</td>
</tr>
<tr>
<td>34309</td>
<td>07/07/2020</td>
<td>COL004</td>
<td>Coldspring Memorial</td>
<td>475.00</td>
<td>0</td>
</tr>
<tr>
<td>34310</td>
<td>07/07/2020</td>
<td>COL002</td>
<td>Cole Papers Inc</td>
<td>798.22</td>
<td>0</td>
</tr>
<tr>
<td>34311</td>
<td>07/07/2020</td>
<td>COM003</td>
<td>Complete Pest Control Inc</td>
<td>6,562.50</td>
<td>0</td>
</tr>
<tr>
<td>34312</td>
<td>07/07/2020</td>
<td>COP002</td>
<td>Copy Cat Printing</td>
<td>302.00</td>
<td>0</td>
</tr>
<tr>
<td>34313</td>
<td>07/07/2020</td>
<td>CAP002</td>
<td>Coughlan Companies LLC</td>
<td>541.11</td>
<td>0</td>
</tr>
<tr>
<td>34314</td>
<td>07/07/2020</td>
<td>COU008</td>
<td>Countryside Sanitation Company</td>
<td>42,439.54</td>
<td>0</td>
</tr>
<tr>
<td>34315</td>
<td>07/07/2020</td>
<td>CUL001</td>
<td>Culinex</td>
<td>53.50</td>
<td>0</td>
</tr>
<tr>
<td>34316</td>
<td>07/07/2020</td>
<td>CUS002</td>
<td>Custom Stripes Inc</td>
<td>285.00</td>
<td>0</td>
</tr>
<tr>
<td>34317</td>
<td>07/07/2020</td>
<td>DAK006</td>
<td>Dakota TV &amp; Appliance</td>
<td>135.00</td>
<td>0</td>
</tr>
<tr>
<td>34318</td>
<td>07/07/2020</td>
<td>DAS001</td>
<td>Dash Medical Gloves</td>
<td>54.90</td>
<td>0</td>
</tr>
<tr>
<td>34319</td>
<td>07/07/2020</td>
<td>DEM001</td>
<td>Demco Educational Corp</td>
<td>263.43</td>
<td>0</td>
</tr>
<tr>
<td>34320</td>
<td>07/07/2020</td>
<td>DOC001</td>
<td>Docu Shred Inc</td>
<td>37.26</td>
<td>0</td>
</tr>
<tr>
<td>34321</td>
<td>07/07/2020</td>
<td>EME001</td>
<td>Emergency Apparatus Maintenance Inc</td>
<td>31.03</td>
<td>0</td>
</tr>
<tr>
<td>34322</td>
<td>07/07/2020</td>
<td>EXP002</td>
<td>Exponent</td>
<td>189.00</td>
<td>0</td>
</tr>
<tr>
<td>34323</td>
<td>07/07/2020</td>
<td>FAS001</td>
<td>Fastenal Company</td>
<td>55.17</td>
<td>0</td>
</tr>
<tr>
<td>34324</td>
<td>07/07/2020</td>
<td>CEN002</td>
<td>Gale</td>
<td>153.69</td>
<td>0</td>
</tr>
<tr>
<td>34325</td>
<td>07/07/2020</td>
<td>GAL006</td>
<td>Galstad Jensen McCann PA Trust Acct</td>
<td>98,000.00</td>
<td>0</td>
</tr>
<tr>
<td>34326</td>
<td>07/07/2020</td>
<td>GAR001</td>
<td>Garden Hat Inc</td>
<td>52.68</td>
<td>0</td>
</tr>
<tr>
<td>34327</td>
<td>07/07/2020</td>
<td>GER001</td>
<td>Gerrells Sport Center</td>
<td>31.42</td>
<td>0</td>
</tr>
<tr>
<td>34328</td>
<td>07/07/2020</td>
<td>GLO003</td>
<td>Global Safety Network, Inc.</td>
<td>88.00</td>
<td>0</td>
</tr>
<tr>
<td>34329</td>
<td>07/07/2020</td>
<td>GFW001</td>
<td>Grand Forks Welding &amp; Machine</td>
<td>9.17</td>
<td>0</td>
</tr>
<tr>
<td>34330</td>
<td>07/07/2020</td>
<td>HAW001</td>
<td>Hawkins Chemical</td>
<td>2,187.57</td>
<td>0</td>
</tr>
<tr>
<td>34331</td>
<td>07/07/2020</td>
<td>HEA001</td>
<td>Heartland Paper Company</td>
<td>387.57</td>
<td>0</td>
</tr>
<tr>
<td>34332</td>
<td>07/07/2020</td>
<td>HIG002</td>
<td>Higher Ground</td>
<td>320.00</td>
<td>0</td>
</tr>
<tr>
<td>34333</td>
<td>07/07/2020</td>
<td>HOR001</td>
<td>Horizon Commercial Pool Supply</td>
<td>706.04</td>
<td>0</td>
</tr>
<tr>
<td>34334</td>
<td>07/07/2020</td>
<td>JAC007</td>
<td>Pete Jacobson</td>
<td>1,000.00</td>
<td>0</td>
</tr>
<tr>
<td>34335</td>
<td>07/07/2020</td>
<td>JLG001</td>
<td>JLG Architects</td>
<td>871.84</td>
<td>0</td>
</tr>
<tr>
<td>34336</td>
<td>07/07/2020</td>
<td>K&amp;K001</td>
<td>K&amp;K Trucking Inc</td>
<td>380.00</td>
<td>0</td>
</tr>
<tr>
<td>34337</td>
<td>07/07/2020</td>
<td>KAM001</td>
<td>Kameron Harstad</td>
<td>680.00</td>
<td>0</td>
</tr>
<tr>
<td>34338</td>
<td>07/07/2020</td>
<td>KEI001</td>
<td>Keith's Security World</td>
<td>3.50</td>
<td>0</td>
</tr>
<tr>
<td>Check</td>
<td>Date</td>
<td>Vendor No</td>
<td>Vendor Name</td>
<td>Amount</td>
<td>Voucher</td>
</tr>
<tr>
<td>-------</td>
<td>------------</td>
<td>-----------</td>
<td>--------------------------------------------------</td>
<td>--------</td>
<td>---------</td>
</tr>
<tr>
<td>34339</td>
<td>07/07/2020</td>
<td>KEN002</td>
<td>Kennedy &amp; Graven, Chartered</td>
<td>315.00</td>
<td>0</td>
</tr>
<tr>
<td>34340</td>
<td>07/07/2020</td>
<td>KOV012</td>
<td>Laurie Kovar</td>
<td>60.00</td>
<td>0</td>
</tr>
<tr>
<td>34341</td>
<td>07/07/2020</td>
<td>LEA008</td>
<td>League of Minnesota Cities Insurance</td>
<td>1,000.00</td>
<td>0</td>
</tr>
<tr>
<td>34342</td>
<td>07/07/2020</td>
<td>LEI001</td>
<td>Leighton Broadcasting</td>
<td>140.00</td>
<td>0</td>
</tr>
<tr>
<td>34343</td>
<td>07/07/2020</td>
<td>HAR081</td>
<td>Local Ace</td>
<td>10.99</td>
<td>0</td>
</tr>
<tr>
<td>34344</td>
<td>07/07/2020</td>
<td>HAR085</td>
<td>Local Ace</td>
<td>460.61</td>
<td>0</td>
</tr>
<tr>
<td>34345</td>
<td>07/07/2020</td>
<td>HAR086</td>
<td>Local Ace</td>
<td>232.24</td>
<td>0</td>
</tr>
<tr>
<td>34346</td>
<td>07/07/2020</td>
<td>HAR087</td>
<td>Local Ace</td>
<td>1,377.86</td>
<td>0</td>
</tr>
<tr>
<td>34347</td>
<td>07/07/2020</td>
<td>HAR089</td>
<td>Local Ace</td>
<td>47.70</td>
<td>0</td>
</tr>
<tr>
<td>34348</td>
<td>07/07/2020</td>
<td>HAR090</td>
<td>Local Ace</td>
<td>82.41</td>
<td>0</td>
</tr>
<tr>
<td>34349</td>
<td>07/07/2020</td>
<td>M&amp;W001</td>
<td>M&amp;W Services</td>
<td>150.00</td>
<td>0</td>
</tr>
<tr>
<td>34350</td>
<td>07/07/2020</td>
<td>MCM001</td>
<td>Ashely McMahon</td>
<td>60.00</td>
<td>0</td>
</tr>
<tr>
<td>34351</td>
<td>07/07/2020</td>
<td>MEN001</td>
<td>Menards</td>
<td>148.81</td>
<td>0</td>
</tr>
<tr>
<td>34352</td>
<td>07/07/2020</td>
<td>MPO001</td>
<td>Metropolitan Planning Organization</td>
<td>4,075.94</td>
<td>0</td>
</tr>
<tr>
<td>34353</td>
<td>07/07/2020</td>
<td>MID003</td>
<td>Midcontinent Communications</td>
<td>2,137.76</td>
<td>0</td>
</tr>
<tr>
<td>34354</td>
<td>07/07/2020</td>
<td>MIN003</td>
<td>Minnesota City/County Management</td>
<td>163.00</td>
<td>0</td>
</tr>
<tr>
<td>34355</td>
<td>07/07/2020</td>
<td>MND020</td>
<td>Minnesota DEED</td>
<td>788.44</td>
<td>0</td>
</tr>
<tr>
<td>34356</td>
<td>07/07/2020</td>
<td>MN004</td>
<td>MN Public Facilities Authority</td>
<td>748,705.67</td>
<td>0</td>
</tr>
<tr>
<td>34357</td>
<td>07/07/2020</td>
<td>NEW001</td>
<td>Newman Signs Inc</td>
<td>1,059.70</td>
<td>0</td>
</tr>
<tr>
<td>34358</td>
<td>07/07/2020</td>
<td>ORE001</td>
<td>O'Reilly Automotive, Inc.</td>
<td>661.67</td>
<td>0</td>
</tr>
<tr>
<td>34359</td>
<td>07/07/2020</td>
<td>OCL001</td>
<td>OCLC, Inc.</td>
<td>300.16</td>
<td>0</td>
</tr>
<tr>
<td>34360</td>
<td>07/07/2020</td>
<td>OPP001</td>
<td>Gregory T Opp</td>
<td>435.00</td>
<td>0</td>
</tr>
<tr>
<td>34361</td>
<td>07/07/2020</td>
<td>ORC002</td>
<td>Orchard Oil Company</td>
<td>214.40</td>
<td>0</td>
</tr>
<tr>
<td>34362</td>
<td>07/07/2020</td>
<td>OVE002</td>
<td>OverDrive, Inc</td>
<td>2,400.00</td>
<td>0</td>
</tr>
<tr>
<td>34363</td>
<td>07/07/2020</td>
<td>PET001</td>
<td>Peterson Veterinary Clinic P.C.</td>
<td>54.99</td>
<td>0</td>
</tr>
<tr>
<td>34364</td>
<td>07/07/2020</td>
<td>PLA006</td>
<td>Playground Plastics</td>
<td>676.25</td>
<td>0</td>
</tr>
<tr>
<td>34365</td>
<td>07/07/2020</td>
<td>POL015</td>
<td>Polk County Administrator</td>
<td>29,208.00</td>
<td>0</td>
</tr>
<tr>
<td>34366</td>
<td>07/07/2020</td>
<td>POP001</td>
<td>Popular Subscription Service</td>
<td>414.40</td>
<td>0</td>
</tr>
<tr>
<td>34367</td>
<td>07/07/2020</td>
<td>PRE001</td>
<td>Premium Waters Inc</td>
<td>168.03</td>
<td>0</td>
</tr>
<tr>
<td>34368</td>
<td>07/07/2020</td>
<td>QUI001</td>
<td>Quill Corporation</td>
<td>64.90</td>
<td>0</td>
</tr>
<tr>
<td>34369</td>
<td>07/07/2020</td>
<td>RDO003</td>
<td>RDO Truck Centers</td>
<td>271.54</td>
<td>0</td>
</tr>
<tr>
<td>34370</td>
<td>07/07/2020</td>
<td>RIG001</td>
<td>Right Choice Electric Inc</td>
<td>155.12</td>
<td>0</td>
</tr>
<tr>
<td>34371</td>
<td>07/07/2020</td>
<td>ROS003</td>
<td>Javier Rositos</td>
<td>25.00</td>
<td>0</td>
</tr>
<tr>
<td>34372</td>
<td>07/07/2020</td>
<td>ROY002</td>
<td>Royal Tire</td>
<td>242.09</td>
<td>0</td>
</tr>
<tr>
<td>34373</td>
<td>07/07/2020</td>
<td>SAF002</td>
<td>Safety-Kleen Systems, Inc.</td>
<td>956.22</td>
<td>0</td>
</tr>
<tr>
<td>34374</td>
<td>07/07/2020</td>
<td>SCH002</td>
<td>Scholastic Library Publishers</td>
<td>187.35</td>
<td>0</td>
</tr>
<tr>
<td>34375</td>
<td>07/07/2020</td>
<td>ROT001</td>
<td>Schwinger Enterprises, Inc.</td>
<td>480.00</td>
<td>0</td>
</tr>
<tr>
<td>34376</td>
<td>07/07/2020</td>
<td>SEN002</td>
<td>Jeffrey &amp; Victoria Senkyr</td>
<td>197.95</td>
<td>0</td>
</tr>
<tr>
<td>34377</td>
<td>07/07/2020</td>
<td>SPR002</td>
<td>Spray Advantage</td>
<td>25.98</td>
<td>0</td>
</tr>
<tr>
<td>34378</td>
<td>07/07/2020</td>
<td>STE009</td>
<td>Sterling Carpet One</td>
<td>1,881.01</td>
<td>0</td>
</tr>
<tr>
<td>34379</td>
<td>07/07/2020</td>
<td>STR007</td>
<td>Structural Materials</td>
<td>837.50</td>
<td>0</td>
</tr>
<tr>
<td>34380</td>
<td>07/07/2020</td>
<td>STU001</td>
<td>Stuart's Towing</td>
<td>350.00</td>
<td>0</td>
</tr>
<tr>
<td>34381</td>
<td>07/07/2020</td>
<td>THU002</td>
<td>Thur-O-Clean</td>
<td>4,915.12</td>
<td>0</td>
</tr>
<tr>
<td>34382</td>
<td>07/07/2020</td>
<td>USB005</td>
<td>US Bank Corporate Payment System</td>
<td>9,384.09</td>
<td>0</td>
</tr>
<tr>
<td>34383</td>
<td>07/07/2020</td>
<td>VAL004</td>
<td>Valley Golf Association</td>
<td>3,432.97</td>
<td>0</td>
</tr>
<tr>
<td>34384</td>
<td>07/07/2020</td>
<td>VAL002</td>
<td>Valley Truck</td>
<td>117.24</td>
<td>0</td>
</tr>
<tr>
<td>34385</td>
<td>07/07/2020</td>
<td>VIL001</td>
<td>Vilandre Heating &amp; A/C</td>
<td>5,569.70</td>
<td>0</td>
</tr>
<tr>
<td>34386</td>
<td>07/07/2020</td>
<td>WAT001</td>
<td>Water &amp; Light Department</td>
<td>34,813.87</td>
<td>0</td>
</tr>
<tr>
<td>34387</td>
<td>07/07/2020</td>
<td>BUL001</td>
<td>Kent Wavra</td>
<td>495.00</td>
<td>0</td>
</tr>
<tr>
<td>34388</td>
<td>07/07/2020</td>
<td>WID001</td>
<td>Widseth Smith Nolting &amp; Associates</td>
<td>28,169.25</td>
<td>0</td>
</tr>
<tr>
<td>34389</td>
<td>07/07/2020</td>
<td>WIL002</td>
<td>Wilbur-Ellis</td>
<td>5,766.20</td>
<td>0</td>
</tr>
<tr>
<td>34390</td>
<td>07/07/2020</td>
<td>XCE001</td>
<td>Xcel Energy</td>
<td>1,852.96</td>
<td>0</td>
</tr>
<tr>
<td>34391</td>
<td>07/07/2020</td>
<td>XER001</td>
<td>Xerox Corporation</td>
<td>67.81</td>
<td>0</td>
</tr>
<tr>
<td>34392</td>
<td>07/07/2020</td>
<td>ZPU001</td>
<td>Z Puppets Rosenschnoz, LLC</td>
<td>750.00</td>
<td>0</td>
</tr>
</tbody>
</table>

Check Total: 1,251,358.01