CALL 38th COUNCIL TO ORDER
APPROVAL OF AGENDA
INVOCATION — CHAPLAIN JIM SMITH
PLEDGE OF ALLEGIANCE
PUBLIC COMMENT — ITEMS ON THE AGENDA
ORDER OF BUSINESS

Consent Agenda

1. **APPROVAL OF THE MINUTES**: Matter of approving the minutes of the 38th Regular City Council Meeting on Monday, June 7, 2021.

2. **RESOLUTION NO. R-23-21**: Matter of celebrating the retirement of Greenfield Presbyterian Church Reverend Peter Moore.


Regular Agenda

1. **PRESENTATION**: Matter of receiving a presentation from Senator Mallory McMorrow's office.

2. **RESOLUTION NO. R-24-21**: Matter of recognizing the outgoing Berkley School District Superintendent Dennis McDavid.

3. **MOTION NO. M-30-21**: Matter of approving the appointments to various boards and commissions.


5. **MOTION NO. M-32-21**: Matter of approving the purchase of the remainder of the P25 Radio System Equipment from ComSource, Inc., 41271 Concept Dr., Plymouth, MI 48170 at a price not to exceed $50,033.15 from the “Radio Equipment” Account 101-310-984-000. This purchase will be made from the State of Michigan’s Extended Purchasing Program (MiDEAL) Contract 190000001544.

6. **MOTION NO. M-33-21**: Matter of approving the purchase of two 2021 Ford Police Interceptor Utility AWD marked police vehicles for $74,852 ($37,426 each) and two 2021 Ford F150 Super Crew 4x4 Police Responder unmarked police vehicles for $74,886 ($37,443 each) for the Department of Public Safety from Signature Ford, 1960 East Main Street, Owosso, MI 48867 at a total cost of $149,738 from the Vehicles Account 101-310-985-000.

7. **ORDINANCE NO. O-06-21**: Matter of considering the First Reading of an Ordinance of the Council of the City of Berkley, Michigan to Amend Division 4 of Article VIII of Chapter 82, Offenses and Miscellaneous Provisions, of the City of Berkley Code of Ordinances to Prohibit the Possession and Use of Cigarettes, Tobacco, and Nicotine Products to Persons Under the Age of 21, and the Sale, Giving, or Furnishing of Cigarettes, Tobacco, and Nicotine Products, Including Electronic Cigarettes, to Persons Under the Age of 21, and to Prescribe Penalties for Violations.

8. **MOTION NO. M-34-21**: Matter of approving the purchase of a Variable Message Board Sign and a Compact Light Tower at a total cost of $24,360 from Truck & Trailer Specialties utilizing the MITN Cooperative Bid.

9. **MOTION NO. M-35-21**: Matter of approving the purchase of a 2021 Ford Transit Cargo Van with Buildout at a total cost of $70,265 from Signature Ford and Truck & Trailer Specialties utilizing the Macomb County and MITN Cooperative Bids.
10. **MOTION NO. M-36-21**: Matter of appointing the Public Works Director, Derrick Schueller, as the City of Berkley’s representative and the City Manager, Matthew Baumgarten, as the alternate representative to the Southeastern Oakland County Resource Recovery Authority (SOCRRA) Board of Trustees for the fiscal year beginning July 1, 2021; and instruct the City Clerk to send a copy of this motion to the SOCRRA Board.

11. **MOTION NO. M-37-21**: Matter of appointing the Berkley Public Works Director, Derrick Schueller, as the City of Berkley’s representative and the City Manager, Matthew Baumgarten, as the alternate representative to the Southeastern Oakland County Water Authority (SOCWA) Board of Trustees for the fiscal year beginning July 1, 2021; and instruct the City Clerk to send a copy of this motion to the SOCWA Board.

12. **MOTION NO. M-38-21**: Matter of appointing the Chief Innovation Officer, Stan Lisica, as the City of Berkley’s representative and the City Manager, Matthew Baumgarten, as the alternate representative to the Intergovernmental Cable Communications Authority (ICCA) Board for the fiscal year beginning July 1, 2021; and instruct the City Clerk to send a copy of this motion to the ICCA Board.

13. **MOTION NO. M-39-21**: Matter of appointing the Community Engagement Officer, Torri Mathes, as the City of Berkley’s representative to the Community Media Network Public Access TV (CMNtv) Board of Trustees for the fiscal year beginning July 1, 2021; and to instruct the City Clerk to send a copy of this motion to the CMNtv Board.

14. **RESOLUTION NO. R-22-21**: Matter of approving the Consent Judgment in settlement of the lawsuit, Giarmarco v Berkley, Oakland County Circuit Court Case no. 2021-187187-AA.

15. **MOTION NO. M-40-21**: Matter of authorizing the City Manager to sign the Application for Additional Service Credit Purchase for Shawn Young approving two years of additional service credit. This service credit purchase is allowed by the City of Berkley MERIT System of Human Resource Management Section 1001.08 and meets all of the requirements of the MERS Plan Document which would allow for this service credit purchase.

16. **MOTION NO. M-41-21**: Matter of Authorizing the amendment of the 2020-2021 Budget as presented.

**PUBLIC COMMENT — ITEMS NOT ON THE AGENDA**

**COMMUNICATIONS**

17. **CLOSED SESSION**: Matter of considering whether to meet in Closed Session for the purpose of discussing labor negotiations.

**ADJOURN**

**NOTE: TO JOIN THE ELECTRONIC MEETING, VISIT HTTPS://berkleymich.ZOOM.US/J/94929846645 OR CALL 1-312-626-6799. THE MEETING ID IS 949 2984 6645.**

The City of Berkley is hosting electronic meetings in cooperation with the Michigan Open Meetings Act, as amended. Anyone wishing to submit correspondence for inclusion during the meeting may send an email to clerk@berkleymich.net or call 248-658-3310. The City of Berkley will provide necessary reasonable auxiliary aids and services to individuals with disabilities at the meeting upon four working days’ notice to the City. Individuals with disabilities requiring auxiliary aids or services should contact the City by writing or calling: Victoria Mitchell, ADA Contact, Berkley City Hall, 3338 Coolidge Highway, Berkley, MI 48072 (1-248-658-3310).
THE ELECTRONIC REGULAR MEETING OF THE THIRTY-EIGHTH COUNCIL OF THE CITY OF BERKLEY, MICHIGAN WAS CALLED TO ORDER AT 7:00 PM ON MONDAY, JUNE 7, 2021 BY MAYOR TERBRACK

PRESENT: Steve Baker, Berkley, Oakland County, Michigan
          Jack Blanchard, Berkley, Oakland County, Michigan
          Bridget Dean, Berkley, Oakland County, Michigan
          Dennis Hennen, Berkley, Oakland County, Michigan
          Natalie Price, Berkley, Oakland County, Michigan
          Daniel Terbrack, Berkley, Oakland County, Michigan

ABSENT: Ross Gavin

APPROVAL OF AGENDA
Councilmember Baker moved to approve the Agenda with an amendment to remove agenda item #5
Seconded by Mayor Pro Tem Dean
Ayes: Blanchard, Dean, Hennen, Price, Baker, and Terbrack
Absent: Gavin
Nays: None
Motion Approved.

INVOCATION: Pastor Tal Sullivan

PUBLIC COMMENT – ITEMS ON THE AGENDA

Consent Agenda
Councilmember Baker moved to approve the following Consent Agenda, seconded by Councilmember Blanchard.


WARRANT: Matter of approving Warrant No. 1363.

ORDINANCE NO. O-05-21: Matter of considering the Second Reading and Adoption of an Ordinance of the City Council of the City of Berkley, Michigan to Amend Section 58-34 of Article II, of Chapter 58, Garbage Rubbish and Refuse, to Modify the Diameter and Length of Branches and Limbs, and to Prescribe a Penalty for Violations.


PROCLAMATION NO. P-21-21: Matter of proclaiming the week of June 21-27, 2021 to be Lightning Safety Week.
Ayes: Dean, Hennen, Price, Baker, Blanchard, and Terbrack
Absent: Gavin
Nays: None
Motion Approved.

Regular Agenda

Mayor Pro Tem Dean moved to approve Resolution No. R-19-21
Seconded by Councilmember Price
Ayes: Hennen, Price, Baker, Blanchard, Dean, and Terbrack
Absent: Gavin
Nays: None
Motion Approved.

RESOLUTION NO. R-20-21: Matter of approving a Resolution of the Council of the City of Berkley, Michigan recognizing Adriane and Eric Bitel for their years of volunteerism and dedication to the Friends of Berkley Parks & Recreation.
Mayor Pro Tem Dean moved to approve Resolution No. R-20-21
Seconded by Councilmember Blanchard
Ayes: Hennen, Price, Baker, Blanchard, Dean, and Terbrack
Absent: Gavin
Nays: None
Motion Approved.

MOTION NO. M-29-21: Matter of approving the purchase of official Woodward Dream Cruise merchandise to be sold at various locations during the month of August at a cost not to exceed $28,000. Funds for this expenditure will come from account 614-915-818-000.
Councilmember Blanchard moved to approve Motion No. M-29-21
Seconded by Councilmember Hennen
Ayes: Price, Baker, Blanchard, Dean, Hennen, and Terbrack
Absent: Gavin
Nays: None
Motion Approved.

RESOLUTION NO. R-21-21: Matter of considering updates to the Berkley Fee Schedule, effective July 1, 2021.
Councilmember Price moved to approve Resolution No. R-21-21
Seconded by Mayor Pro Tem Dean
Ayes: Baker, Blanchard, Dean, Hennen, Price, and Terbrack
Absent: Gavin
Nays: None
Motion Approved.

PUBLIC COMMENT – ITEMS NOT ON THE AGENDA

Charles Tyrrell, Berkley, spoke about his concern about the Downtown Development Authority (DDA) meetings not being recorded and posted. He asked City Council to require the DDA to have its meetings recorded and posted whether they will be meeting virtually or not. He also said he would like for City Council to vote regarding having referendums for the different types of marihuana businesses to be placed on the November 2021 election ballot.
Steve Allen, ZBA board member and Berkley resident, submitted an email regarding proposed Resolution R-22-21. He expressed his concern about City Council considering settling the recent ZBA case regarding the placement of a generator and the potential it may have for future ZBA decisions.

COMMUNICATIONS

COUNCILMEMBER BLANCHARD: stated that he wanted to talk about an update with the Berkley Chamber of Commerce. He talked about the events that they would be hosting in the city which include the Berkley Street Art Fest on Saturday, August 7th; the Berkley Cruisefest and Woodward Dream Cruise on Friday, August 20th and Saturday, August 21st; and the Berkley Art Bash on Saturday, September 11th. He reminded everyone that school will be out for the summer soon and to be cautious of children playing outside and in the street. Finally, he quoted Spencer Kimball, “Preparedness, when properly pursued is a way of life, not a sudden, spectacular program.”

COUNCILMEMBER PRICE: thanked city directors and staff for preparing for a safe reopening to the public. She said the library opened up for “grab and go” visits that day. She said the copy machine, scanner, and fax machine are also now available for residents to use as well. She said computer use at the library will be available starting on June 21st. She stated the youth summer reading program will start this month and you can either visit the library’s website or call for more information. Councilmember Price stated that the Beautification Advisory Committee will be facilitating the Annual Tree Walk this Saturday, June 12th. She said the Environmental Advisory Committee and Tree Board will be assisting with this event too. She explained that during the walk, door hangers with a tree order form is dropped off at homes throughout the City. She said residents can have a free tree planted through Department of Public Works if they would like. Councilmember Price stated that the Citizens Engagement Advisory Committee recently launched a Facebook group to help provide resources for members of the community. The name of the group is the Berkley Community Resources Group. Councilmember Price mentioned she is excited about attending the grand opening of Oxford Park on Friday, June 11th.

COUNCILMEMBER BAKER: stated that the Downtown Development Authority (DDA) would be meeting this Wednesday, June 9th at 8:30 a.m. and all the meetings are recorded and posted on the DDA website which is DowntownBerkley.com. He said at the last meeting they were reviewing the Detroit Institute of Arts (DIA) sponsored mural that is planning to be placed on Robina located close to the Old Berkley Movie Theatre hopefully sometime in August. He said that they will resume working on the DDA guidelines very soon as well. He also mentioned to visit the DDA website for upcoming events such as Berkley Street Art Fest on August 7th and Berkley Art Bash on September 11th. He stated that the Historical Committee will resume its museum hours of operations on Wednesday, June 16th. The hours are Wednesdays from 10 a.m. – 1 p.m. and Sundays from 2- 4 p.m. He said the museum is closed on major holidays. He stated that the Downtown District now has new signs and that the old signs are being kept at the museum. He said the Historical Museum will be coming out with a quarterly newsletter. He stated that the Technology Advisory Committee will be meeting next on Wednesday, June 16th. He said they are still waiting for news on the Alexa Skill that they put together. He mentioned the cyber tip to make sure that websites you visit are secure. He mentioned a few different things you can look for when you visit a website to make sure that it is secure. He quoted Myra Kassim, “In the absence of information, we often jump to the worst conclusions.” He talked about how easy it is on social media to quickly draw conclusions from the statements and titles we first see. He also talked about ways to help keep ourselves informed when we read and see things online.

MAYOR PRO TEM DEAN: expressed her concern about how a Berkley resident said that the City’s Public Safety Department operates a quota system for issuing tickets. She stated that the Public Safety Department does not operate this way and this practice is illegal as well. She continued to say that the budgeting process in the City includes projections for next year’s revenue for the budget. The Public Safety Department’s revenue is also not influenced by ticket numbers. She stated once again that the City of Berkley Public Safety does not set ticket quotas. She said the people that are prosecuted are people that are violating laws and City Ordinances. She mentioned that the Berkley resident who had
talked about ticket quotas at the last meeting will be having a meeting with Public Safety Director Matt Koehn so he can answer questions and make clarifications about how the department operates. She also added that Chief Koehn welcomes any questions or comments that someone may have. Mayor Pro Tem Dean stated that the Parks and Recreation Department is having the grand opening and new name ceremony for Oxford Park on Friday, June 11th at 4 p.m. She said the splash pad and restrooms will also be open starting that day. She said the hours and rules for the splashed pad will posted at the park. She stated the Community Center opened on June 1st. She said Parks and Recreation now has indoor programs available in addition to the outdoor programs. She stated to register so your house can be on the map for the City-Wide Garage Sale, you can call the Parks and Recreation Department at (248) 658-3470. She mentioned the outdoor movie night event is on Tuesday, June 22nd behind the community center.

COUNCILMEMBER HENNEN: stated that there was nothing new to report from the Zoning Board of Appeals or Tree Board. He also said neither board has a meeting for the month of June.

CITY MANAGER BAUMGARTEN: stated he is anticipating the reopening to the public. He said to keep looking for updates regarding the reopening. City Manager Baumgarten said the Parks and Recreation building is already reopened to the public on June 1st, the library reopened on June 7th, and City Hall would be reopening on Monday, June 14th. He said the virtual services that have been offered will continue. He said he is looking forward to being able to meet with residents in person again.

ATTORNEY CHRIST: stated the one item of legislation that their office has been following is House Bill 4722 and Senate Bill 446. He said that these bills have to do with short-term rentals and if passed may impact the City and their ability to oversee property that is considered a short-term rental.

MAYOR TERBRACK: stated a resident, and also a proud parent, emailed City Council to inform them that the Berkley High School Girls’ Varsity Softball Team is district champions. He said that the team represented the High School and the City very well both on and off the field. He mentioned that the average GPA for the team was well above average and it is impressive to see student athletes maintaining their grades while playing sports. He thanked teachers for guiding their students through what was a very unique school year and mentioned that the last day of school would be this Thursday, June 10th, the day before the grand opening of Oxford Park on Friday, June 11th. He stated that the next City Council meeting would be the last virtual meeting and that in July the City Council would return to the Council Chambers at City Hall.

ADJOURNMENT
Councilmember Hennen moved to adjourn the Regular Meeting at 8:10 p.m.
Seconded by Mayor Pro Tem Dean
Ayes: Dean, Hennen, Price, Baker, Blanchard, and Terbrack
Absent: Gavin
Nays: None
Motion Approved.
A RESOLUTION
Of the Council of the City of Berkley, Michigan
Celebrating the retirement of
Greenfield Presbyterian Church Reverend Peter Moore

WHEREAS, In 1991 Reverend Peter Moore became the sixth pastor of the Greenfield Presbyterian Church; and

WHEREAS, As Pastor he has provided inspirational leadership through his service to those in need both spiritual and to those experiencing financial hardship and homelessness; and

WHEREAS, Reverend Peter Moore is credited with helping to grow the congregation at Greenfield Presbyterian Church after it had experienced years of declining membership; and

WHEREAS, In March 2020, Greenfield Presbyterian Church and notably Reverend Moore were recognized by local media for their efforts in providing sanctuary to 19 homeless men, women, and children at the onset of the COVID-19 pandemic; and

WHEREAS, As a member of the Berkley Pastoral Alliance he has fostered a spirit of ecumenism among the churches in the City; and

WHEREAS, Reverend Peter Moore delivered his final worship service at Greenfield Presbyterian Church on Sunday, January 17, 2021 after serving as the congregation’s Pastor for 30 years.

Now, Therefore, the City of Berkley Resolves:

Section 1: That the City Council does hereby recognize and honor Reverend Peter Moore

For the extraordinary service he has provided to the Berkley community over the past 30 years serving as a spiritual leader for his congregation, and notably for the immense community support that Greenfield Presbyterian Church has done under his leadership.

Introduced and passed at a Regular City Council Meeting on Monday, June 21, 2021.

Attest: Daniel J. Terbrack, Mayor

Victoria Mitchell, City Clerk
WHEREAS, Parks and recreation programs are an integral part of communities throughout the country, including the City of Berkley; and

WHEREAS, Our parks and recreation are vitally important to establishing and maintaining the quality of life in our community, ensuring the health of all citizens, and contributing to the economic and environmental well-being of a community and region; and

WHEREAS, Parks and recreation programs build healthy, active communities that aid in the prevention of chronic disease, provide therapeutic recreation services for individuals with mental or physical disabilities, and also improve the mental and emotional health of all citizens; and

WHEREAS, Parks and recreation programs increase a community’s economic prosperity through increased property values, expansion of the local tax base, increased tourism, the attraction and retention of businesses, and crime reduction; and

WHEREAS, Parks and recreation areas are fundamental to the environmental well-being of the community; assisting in preserving greenspace, providing vegetative buffers from development, producing a habitat for wildlife, and mitigating stormwater runoff; and

WHEREAS, The use of the City’s parks and recreation has proven to be paramount in keeping the community physically, mentally, and emotionally healthy especially during the COVID-19 public health crisis; and

WHEREAS, The City of Berkley recognizes the outstanding benefits derived from parks and recreation resources.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF BERKLEY HEREBY PROCLAIMS

SECTION 1: That the month of July 2021 is hereby proclaimed as Parks and Recreation Month in the City of Berkley, and City Council encourages all citizens to celebrate healthy, active lifestyles by enjoying their choice of the fantastic park locations here in the City of Berkley.

SECTION 2: That the City Council extends gratitude and recognizes the City of Berkley Parks and Recreation Department for their outstanding work in providing the community with recreation opportunities during the COVID-19 pandemic and their continued success in maintaining and adding to the City’s beautiful park locations.

Proclaimed this 21st day of June, 2021 at a Regular Meeting of the Berkley City Council.

Daniel J. Terbrack, Mayor

Attest:

Victoria Mitchell, City Clerk
A RESOLUTION
Of the Council of the City of Berkley, Michigan
Recognizing the Outgoing Berkley School District Superintendent Dennis McDavid

WHEREAS, Dennis McDavid began his tenure with the Berkley School District in 2005 as a long-term substitute teacher before serving in the other roles of English teacher, BHS Principal, and Director of Schools and Human Resources; and

WHEREAS, In 2007, Dennis McDavid was awarded the Berkley School District Teacher of the Year, subsequently serving as the Berkley Schools nominee for Oakland County Teacher of the Year; and

WHEREAS, Dennis McDavid was appointed as Superintendent in 2012; and

WHEREAS, Superintendent McDavid led the Berkley School District through the beginning of the COVID-19 pandemic, always focusing on the safety of all students and staff; and

WHEREAS, Superintendent McDavid is credited as leading the school district on the continuous journey of becoming a model district for others, greatly improving district infrastructure, and aiming to create inclusive opportunities for all students; and

WHEREAS, During his tenure Superintendent McDavid was an outstanding partner to the City, building lasting relationships with City staff and City Council, and one of his greatest impacts outside of the schools was his willingness to collaborate and strategically work with City leadership.

Now, Therefore, the City of Berkley Resolves:

Section 1: That the City Council does hereby recognize and honor

Dennis McDavid

For the extraordinary service he has provided to the Berkley community over the past 16 years serving in the Berkley School District, and notably leading the school district as Superintendent for the past 9 years.

Introduced and passed at a Regular City Council Meeting on Monday, June 21, 2021.

Attest:

Daniel J. Terbrack, Mayor

Victoria Mitchell, City Clerk
June 21, 2021 City Council Meeting

Moved by Councilmember ___________________________ and seconded by Councilmember ___________________________ to approve the appointments to various Boards and Commissions:

**Beautification Advisory Committee**
- Anela Mihaescu, reappointment to a term expiring July 1, 2024.
- Dan Mihaescu, reappointment to a term expiring July 1, 2024.
- Jennifer Smitterberg, reappointment to a term expiring July 1, 2024.

**Board of Review**
- Suzanne Thiede, reappointment to a term expiring July 1, 2025.

**Citizens Engagement Advisory Committee**
- Jaye Sanders, reappointment to a term expiring July 1, 2023.
- Jessica Vilani, reappointment to a term expiring July 1, 2023.
- Sandy Fisher, appointment to a term expiring July 1, 2023.
- Brandon Moss, appointment to a term expiring July 1, 2023.
- Katie Ware, appointment to a partial term expiring July 1, 2022.

**Environmental Advisory Committee**
- Reid Klintworth, appointment to a term expiring July 1, 2024.

**Historical Committee**
- Dale Carlson, reappointment to a term expiring July 1, 2024.
- Rachel Patterson, appointment to a term expiring July 1, 2024.
- Kaitlin Scharra Eraqi, appointment to a term expiring July 1, 2024.

**Library Board**
- Rita VanBrandeghen, reappointment to a term expiring July 1, 2026.

**Parks and Recreation Advisory Board**
- Mike Kerby, reappointment to a term expiring July 1, 2024.
- Gregory Patterson, reappointment to a term expiring July 1, 2024.
- Gary Polk, reappointment to a term expiring July 1, 2024.

**Planning Commission**
- Gregory Patterson, reappointment to a term expiring July 1, 2024.
- Martin Smith, reappointment to a term expiring July 1, 2024.
- Daniel Petrosky, appointment to a term expiring July 1, 2024.
Technology Advisory Committee
Reid Klintworth, reappointment to a term expiring July 1, 2023.
Anna Luptak, reappointment to a term expiring July 1, 2023.
Stephanie Norton, appointment to a term expiring July 1, 2023.
Chien-ting Chen, appointment to a partial term expiring July 1, 2022.

Tree Board
Lisa Fritsch, reappointment to a term expiring July 1, 2024.
Margaret Grassa, reappointment to a term expiring July 1, 2024.
Kathleen Karlis, reappointment to a term expiring July 1, 2024.
Robert Lathrop, reappointment to a term expiring July 1, 2024.
Michael Leneway, reappointment to a term expiring July 1, 2024.
Stephen Bard, appointment to a term expiring July 1, 2024.
Kasie Criscenti, appointment as a Student Member with a term expiring October 1, 2022.

Zoning Board of Appeals
Paul Evans, reappointment as a Regular Member with a term expiring July 1, 2024.
Miles Uhlar, reappointment as a Regular Member with a term expiring July 1, 2024.
Erick McDonald, reappointment as an Alternate Member with a term expiring July 1, 2024.

Ayes:

Nays:

Motion:
MEMORANDUM

TO: Matt Baumgarten, City Manager
CC: Victoria Mitchell, City Clerk & Rita VanBrandeghen, Library Board Chair
FROM: Matt Church, Library Director
DATE: June 9, 2021
RE: Recommendation from the library board

At its meeting on June 9, 2021, the library board reviewed the library board applications for the library board term that expires this year. Rita VanBrandeghen is the incumbent and applied to be reappointed to the position. The library board’s support of Rita continuing in her current role was unanimous.

Please let me know if I can answer any questions or provide you with additional information.
June 21, 2021 City Council Meeting

Moved by Councilmember _____________ and seconded by Councilmember _____________ to receive and file the Berkley Department of Public Safety 2020 Annual Report.

Ayes:

Nays:

Motion:
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Stay up-to-date with the latest announcements and news from Berkley Public Safety through the following spaces:

Like and follow us on Facebook: @BerkleyDPS

Sign up for the City eBlast updates at: www.berkleymich.org/newsletters

Visit www.berkleypublicsafety.org

**OUR MISSION**

The Berkley Public Safety Department is committed to maintaining the safety and quality of life for the community, through the delivery of superior police, fire, and EMS services without prejudice or partiality.

We strive to offer the best services as a combined Police and Fire Agency known as **PUBLIC SAFETY** while maintaining community involvement, protection, and service to residents, businesses, and visitors alike.
I am pleased to present the Berkley Department of Public Safety’s (BDPS) 2020 Annual Report. This report is part of our ongoing efforts to increase transparency and keep the public informed on the activities of your Public Safety Department.

Obviously, 2020 was a very challenging year for all of us. The Coronavirus Pandemic (COVID-19) continues to affect all of us in just about every facet of our lives. I am particularly proud of the way our personnel continued to deliver superior police, fire, and medical services to the public while being exposed to COVID-19 on a daily basis. While most of the world stayed home, our personnel continued to come to work and serve the public, while exposing themselves and their families to the virus.

Even with all of the challenges, 2020 was also a year of great strides for our Department. During the year, we issued over 170 new Police/Fire/EMS General Orders (policies and procedures) to align with best practices for public safety. These included new or modified General Orders for our Code of Ethics, Pursuits, Use of Force, Citizen and Internal Complaints, Employee Assistance, Bias Influenced Policing, De-escalation, Excited Delirium, Duty to Intervene and Report, Positional Asphyxiation, and Personnel Early Warning System.

We also launched several software platforms including Power DMS, a document management system, and Guardian Tracking, a personnel accountability/early warning system. The new and modified General Orders, along with the software platforms and training, have given our personnel increased guidance on how to manage and respond to a vast array of situations. In addition, our personnel completed hundreds of hours of Police/Fire/EMS training.

We also greatly improved our fire response and safety in 2020. We established a Fire Prevention Division, purchased our newest fire apparatus, Tower 4, and purchased Squad 4, which replaced Ladder 4. These new vehicles have modern safety features making them more versatile and safer fire apparatus. Tower 4 also allows us to access the roof of the tallest building in the City and Squad 4 allows us to access narrow streets and parking lots. Our software now allows our fire inspectors to conduct all of their inspections digitally and more efficiently. This information, along with pre-plans that are also entered and retained within the software, is available online on our mobile phones and tablets to all of our officers in the event of an emergency. In July 2020, we also created the new position of Fire Inspector/Instructor. Officer Jon Roberts, who is both a fire inspector and instructor, was selected for this position. The addition of this position, the newly added apparatuses, and technology, have enhanced our fire safety, education, training, and response.

In addition, BDPS also completed several building projects. These projects included the completion of the Dispatch Center and first-floor renovations, the completion of the Fire Hall expansion project, the conversion to LED lights in the station, and the repair of the Public Safety roof.

Yet, we are not resting on our laurels and have big plans for 2021. Included in these plans are the continued efforts to address and mitigate building issues with the remodeling of our main entrance and lobby to make it ADA compliant. We will also continue to utilize civilian staff for as many support functions as possible, freeing sworn personnel for Public Safety Officer duties, make use of and implement technology systems to make the Department more efficient and effective, and continue the professional development of all BDPS personnel through training and mentorships. We will also begin the Michigan Association of Chiefs of Police accreditation process, as well as, welcome the long-awaited implementation of our K-9 Program.

With the support of the City Administration, City Council, and the public, we continue to evolve and plan for the future to keep everyone safe.

Sincerely,
Public Safety Director Matt Koehn
DEPARTMENT HISTORY

Berkley Public Safety began as a Police and Fire Department in 1924.

In 1981, the Departments merged into what is now the Public Safety Department, where the officers are trained in both Police and Fire operations.

Berkley has been recognized as the fifth safest city in Michigan since 2014, and more recently, the fourth safest in 2019 by ALARMS.ORG.

Public Safety continues to strive towards the goal of community service, as well as providing the quickest response time and quality services to all residents and visitors. We must always remember our past so we can move forward in our future.
WELCOME OFFICER BRIANNA BERGE *(Started at the end of 2019)*
Berge completed the Oakland Police and Fire Academy and began initial training in 2020. She is a great addition to our staff as a Rookie officer.

WELCOME OFFICER ANDREW BORING
Boring previously worked at Beverly Hills for 3 years and for 7 years with Eastpointe Fire Department and Commerce Fire Department. He is also a paramedic and a 2009 graduate of Berkley High School.

HAPPY RETIREMENT SERGEANT JUSTIN FROST
Sergeant Justin Frost retired in 2020 after 21 years of service with the department.
Our Dispatchers work 12-hour shifts and are ready for every regular business question to the most severe emergencies. They typically work as a two-person team and handle calls for the Cities of Berkley, Huntington Woods, and Pleasant Ridge. They are more than just Dispatchers - they are the calm voice on the other end.

We cannot thank our Dispatchers enough for the job they do.
PATROL REVIEW

The Patrol Division is the uniform presence for the Berkley Department of Public Safety. Public Safety Officers (PSO) respond to calls dispatched through our Dispatch Communications Center located at the public safety building.

Officers are State of Michigan licensed in three disciplines: Police, Fire, and EMS. Officers carry all the necessary equipment to respond to most emergencies throughout the City of Berkley. When PSOs are not on a dispatched run, they conduct proactive patrols and traffic enforcement.

2020 presented many unique challenges for our officers. From a global pandemic to civil unrest, it took a heavy toll on our officers and their families. Out of these challenges, your officers affirmed their selfless demeanor by coming into work day after day and providing unparalleled service to the community. After witnessing the response to this difficult year and as the expectations of public service change, I have no fear that our officers will rise to whatever challenges are put in front of them, all while maintaining the level of service we have all come to expect.

ACCOMPLISHMENTS:
Officers in 2020 were able to proactively patrol the streets in what some thought might be a busier year to one of our safest years. This is directly attributed to our PSOs. Officers were able to successfully arrest and prosecute hundreds of cases involving crimes, but also conduct silent good deeds.

There were numerous "thank you's" to officers who played basketball with kids in the street, helping people navigate the ever-changing executive orders due to the pandemic, and much more. Officers not only juggling the concern of taking a virus home to their families after coming into contact with people each day but also managing a different way to respond to emergencies. They were able, as always, to adapt and overcome any obstacle. While the number of community relation events were down, officers found ways to escort large "Birthday Drive-By's" for kids (and sometimes seniors) of the community using the patrol cars and fire engines.

GOALS FOR 2021:
In 2021, the Patrol Division is looking forward to the addition of a K-9 Unit, originally slated to start this past year. The introduction of K-9 "Bear" is already becoming a welcome name in our family and holds true to the spirit of our High School Mascot. Officers will also work through new laws, training standards and the ever-evolving climate to engage, protect, and serve the community of Berkley.

Sincerely,
Lieutenant Jordan Kobernick
CITATIONS

2020 was dominated by COVID-19. Our officers' contact was limited from a large decrease in vehicular traffic and a lack of businesses being open due to people working from home. BDPS saw a total of 5900 violations issued for Misdemeanor and Civil Infractions and a total of 6,661 charges.

This included:
- Parking—3,040 (2-6 am)
- No License / Suspended License—138
- Speeding—701
- No Insurance / No Proof—249
- Impeding Traffic -1,319
- Operating While Intoxicated (or Drugs)—125
- Disobey Stop Sign—240
- Texting While Driving—56

Total citations were down 22% from the previous year of 7542 citations issued.

RANGE OPERATIONS

In 2020, the BDPS Range Team was able to get in some much-needed, required, and valuable range training. Range training not only consists of firing our service weapons which include handguns, rifles, and shotguns but also updates our Response to Resistance / Use of Force Scenarios.

Our officers are constantly training for real-life situations as well as being prepared for anything. This is sometimes done using “submunitions” in which officers will use “soap bullets” that leave a colored mark on the body with minimal pain to simulate a real-life situation.

Whether it is Active Shooter Training, a traffic stop, or any other use of force scenario, our BDPS team works tirelessly to keep our officers in top shape when it comes to the range.

In 2020, Officers were able to complete the MCOLES State-mandated yearly qualification, along with monthly training including indoor and outdoor shoots. The work consisted of the safe handling of firearms, target recognition, and shoot/don’t shoot scenarios.

With each situation, officers are reminded of the legalities of weapon discharge as well as the responsibilities. Our BDPS team is top-notch when it comes to leading the way in Public Safety Range Operations.
The K-9 program was set to start in 2020, however, was pushed back due to COVID-19. While our department couldn’t interact with the community, officers continued to prevail by focusing on administrative tasks like securing a K-9 vehicle, dog cage, and other accessories.

Officer Brian Anderson, who was selected to be the K-9 Handler will start his training in the Spring of 2021. We are also excited to meet the new member of our family K-9 "Bear".

SWAT

In 2018, the BDPS and five other southern Oakland County police agencies joined the Oakland County Sheriff’s Office SWAT team. The Oakland County SWAT team consists of highly trained deputies and officers with specialized training and equipment.

The SWAT team responds to incidents involving hostage rescue, barricaded gunmen, high-risk warrant arrests, narcotics search warrants, civil disturbances, and other critical incidents throughout our communities. A rigorous selection of team members combined with continuous specialized training and sophisticated equipment provide the team with the necessary capabilities to resolve these dangerous incidents safely. In 2019, three additional Oakland County police agencies joined the SWAT team.

In 2020, the SWAT team responded to five barricaded gunman incidents, six high-risk search warrants and was also utilized for several high-profile events including the Woodward Dream Cruise and assisting the United States Secret Service with Presidential election-related details.
The Dispatch Center is responsible for handling both 911 and non-emergency calls for the Cities of Berkley, Huntington Woods, and will soon resume services for the City of Pleasant Ridge.

Public Safety Dispatchers handle radio communications with Public Safety Officers and are responsible for many computerized tasks including Computer Aided Dispatch (CAD) calls for officers, Law Enforcement Information Network (LEIN), and National Crime Information Center (NCIC) queries and entries on persons and property, assist citizens at the front desk, and various clerical tasks.

In 2020, the Berkley Dispatch Center answered 21,661 non-emergency phone calls (12.86% drop from 2019) and 6586 calls to 911 (9.98% drop from 2019). The average answer time for a 911 call made to BDPS was answered in 3.8 seconds which is well below the 10-second standard set by the National Emergency Number Association (NENA).

In 2020, the Dispatch Center dispatched 10,488 calls-for-service for the City of Berkley and 1599 calls-for-service for the City of Huntington Woods, a drop of 34.38% and 18.5% respectively for each department from 2019. In 2020, we dispatched 812 medical runs and 163 fire-related runs in the City of Berkley, and 278 medical runs and 111 fire-related runs for Huntington Woods.

In 2020, we had two applicants successfully complete the Communications Training Officer (CTO Training) to bring our staff to six full-time Dispatchers and one part-time Dispatcher. The Dispatch Center is staffed by two Dispatchers on dayshift and one Dispatcher on nightshift. The second Dispatch position on nightshift is to be filled as soon as interviews are complete.

The goal of the Berkley Dispatch Center is to provide top-level call service to the community and Public Safety Officers.

Berkley Animal Control received 238 animal complaints in 2020, along with 17 animal bite reports. Our Berkley Animal Control also provides contracted service for the City of Royal Oak and received 727 animal complaints, along with 60 animal bite reports.

One of the bigger "incidents" for our Animal Control Officer (ACO) was a "hoarding" case in Royal Oak, which contained around 100 cats in a singular home.

The felines were successfully removed by the ACO after several months of work.

In 2021, Animal Control will be providing service for the Cities of Huntington Woods and Pleasant Ridge. Additionally, our ACO was able to secure a long-needed new vehicle for their service routes.
The Berkley Public Safety Records Bureau is open Monday - Friday from 8:30 am – 4 pm. In 2020, the Records Bureau processed 112 Discovery Requests from attorneys, and 161 Freedom of Information Requests (FOIA).

The Records Bureau DOES NOT release records involving open investigations, non-public records, or records involving protected information (e.g. HIPAA/medical reports).

An integral part of our organization is the Records Bureau who assists with numerous department functions including budgeting, finance, process orders, personnel issues, and payroll. Our administrative assistant works directly with and for the Director of Public Safety.

**PUBLIC SAFETY IN THE NEWS**

Berkley DPS was featured in a few major stories over the 2020 calendar year. Here are a few of the highlights:

- **POLICE INVESTIGATE FORMER EMPLOYEE FOR EMBEZZLING MORE THAN $75,000**

- **MAN DIES AFTER CRASHING CAR WHILE FLEEING COPS IN BERKLEY**

- **BERKLEY PUBLIC SAFETY RESCUE WOMEN FROM HOUSE FIRE**

- **BERKLEY POLICE WORKS WITH AMERICAN LEGION TO PROVIDE COMFORT BEARS TO KIDS**
Top Citations for Berkley DPS

- No Parking 2-6 am 3040
- Impeding Traffic 1319
  - A no-point violation issued at the discretion of the officer in lieu of a moving violation.
- Speed (All) 701
- No Proof of Insurance 249
- Stop Sign 240
- Operating While Intoxicated 125
- Drive While License Suspended 117
- Expired plates 117
- Texting and Driving 56
- Snow Emergency Violation 23

TOTAL = 6,661 Violations

**Not all violations issued are listed. This is a majority sample.**
CITATIONS BY SEX / RACE

TOTAL VIOLATIONS = 6,661
Parking accounts for approx. 3200 of the total

MALE
- Asian—26
- Black—706
- White—1321
- Unknown*—106

FEMALE
- Asian—11
- Black—478
- White—795
- Unknown*—80

*Either the driver is not present or not immediately apparent to the officer.
The operation of the Fire Division involves fire suppression, fire prevention, and fire education. The Fire Division saw several changes this year.

The biggest and newest change was a Fire Inspector position was filled with a full-time Fire Inspector. Since 2013, the City of Berkley only had a part-time Fire Inspector. The addition of a full-time Fire Inspector is part of the division’s succession planning goals. The new Fire Inspector is also a Public Safety Officer like the rest of our officers trained in each discipline.

In addition to conducting fire inspections, the Fire Inspector also is a fire investigator, HAZMAT team member, and one of the agency-certified fire instructors. The Department has invested in a modern web-based fire inspection software which will increase the efficiency of all inspections done in the City. The goal of the Fire Division is to be able to conduct annual fire safety inspections on over 400 commercial occupancies by 2022. This increased fire inspection frequency will ensure our community remains safe.

Throughout the year, BDPS personnel attended numerous training some of which included: Fire Command Officer training, Rapid Intervention, Fire Ground Survival, Live Fire, CPR, FEMA Classes, and various other training related to firefighting duties.

The Department took delivery of a new ladder truck (Tower 4) in late August 2020 after 14 months the truck took to build. Tower 4 has replaced the City’s 1995 apparatus, Ladder 4, which had several limitations including the ladder only being able to extend 51-feet horizontally. Ladder 4 was incapable of reaching the majority of roofs within Berkley. The new Tower 4 has a reach of 104-feet which is over double the reach. Along with its increased reach, Tower 4 includes several modern safety features making the vehicle a more versatile and safe fire apparatus. The old Ladder 4 was sold to the Essexville Department of Public Safety near Bay City, Michigan. Essexville needed a ladder truck that would fit into their current fire station and Ladder 4 was a perfect fit for their community. They were also selling a 2006 fire engine which fit our needs as a reserve fire engine. We agreed to sell our ladder truck to them, and in return, bought their 2006 fire engine now known as Squad 4.

Squad 4 has very low hours and miles on it. When it was purchased, Squad 4 only had 41 total hours on the pump and less than 7,000 miles, making it a very wise investment for our community. It also is smaller and more maneuverable around our alleys, apartment buildings, and other tight locations around the community.

The Fire Division continues to make improvements to the services it provides through fire prevention, training, and education. These continuous improvements will equate to better insurance ratings for our community and residents.

Sincerely,
Lieutenant Corey Miller
FIRE RUN STATISTICS

Incident response statistics for the year 2020:
- 1046 Emergency Medical (EMS) calls-for-service
- 325 Fire-related incident calls for service

The following is a breakdown of the calls-for-service:
- 32 Fire Incidents
- 17 Overpressure, Rupture, Explosion, and overheat (no fire) incidents
- 1046 Rescue & Emergency Medical Service incidents
- 52 Hazardous Condition (no fire) incidents
- 112 Service Call incidents
- 50 Good Intent incidents
  - Service Calls that were responded to where there was a perceived emergency but found to be a non-emergency.
- 62 Fire Alarm incidents

Breakdown of Special Incidents are as follows:
- 4 Vehicle Fire Incidents
- 17 Structure Fire Incidents
- 9 Incidents in which we received Mutual Aid
- 18 Incidents in which we provided Mutual Aid
  - This includes mutual aid services in the surrounding communities.
FIRE INSPECTION STATISTICS

Fire Inspection statistics for the year 2020:
- 315 Total Fire Inspections

The following is a breakdown for Fire Inspections:
- 164 Initial Fire Inspections
- 151 Re-Inspections
- 22 Plan Reviews

Fire Cause and Origin Investigations:
- 9 Fire Investigations

Fire Prevention Goals for 2021 - 2022:
The fire inspectors have over 400 occupancies to inspect for fire and life safety code compliance. With the addition of a full-time fire inspector, along with acquiring tablet-based inspection software, the frequency of fire inspections at all the occupancies will increase from once every three to five years to an annual inspection. The inspection software also provides a pre-incident planning module which allows our fire inspectors to survey all commercial occupancies while conducting their fire inspections and creates a database for fire response.

The database will include drawings of the buildings, hazards, utility shut-offs, emergency contact numbers, and any other needed information. The pre-incident and pre-planning information will be available to all responders through tablets mounted in each of the fire apparatus, improving safety and efficiency.
MEDICAL STATISTICS

2020 COMMON MEDICAL RUNS
A function of the Fire Division is emergency medical response services. Below is a breakdown of the 2020 statistics.

TOTAL FOR COMMON MEDICAL RUNS: 1046
- Emergency: 504
- Non Emergency: 542
- Total Transports: 645

TYPES OF COMMON MEDICAL RUNS:
- Difficulty Breathing: 81
- Chest Pain: 59
- Stroke: 28
- Falls: 62
- Accidents: 26
- Overdose: 17
- Unknown Reason: 38
- Unconscious: 32

MAJORITY OF MEDICAL RUN DAYS OF WEEK:
- Sunday
- Monday
- Wednesday

MAJORITY OF MEDICAL RUN TIMES:
- 12:00 am — 3:00 am
- 8:00pm

BUSIEST MONTH:
- September

**Not all incidents are listed. This is a majority of run types.**
The Investigation Division involves investigating any Felony Crime, certain Misdemeanor crimes, and a wide range of other community issues. Cases are assigned between three investigators with our arrest cases receiving a 100% conviction rate.

The goal of the Detective Bureau (DB) is to attempt to identify and correctly report incidents that occur in Berkley. We investigate the who, what, where, when, and why of the cases and develop a suspect. We then work with a Prosecutor to obtain charges in criminal cases.

We spend a lot of time with the courts, victims, and suspects attempting to not only charge someone in criminal cases but also how to come up with solutions for future prevention. The DB also handles Juvenile Investigations.

One other important function of the DB is the Professional Standards Reviews of our PSO’s and ordinance reviews. The DB works to make sure our officers are updated with the most current legal training in State, County, and local laws and their job functions. We review each and every report looking for areas of future training and areas to improve.

In 2020, the Berkley DB investigated 426 Adult Cases and 22 Juvenile Cases. Out of the Adult Cases, charges were issued in 150 cases. Only one case was dismissed in court, due to the Prosecutor’s error, otherwise giving the DB a 100% conviction rate. Having a high conviction rating means our DB conducted due diligence in making sure we had the correct person charged, with the correct offenses, and the evidence to back up a conviction. The DB also investigated cases that were reported at the end of 2019, totaling just over 500 cases in the City. It’s a tough job, with three people, 500 cases, 24 hours per day.

Additionally, the DB also spends time on crime prevention. We work with businesses on the implementation of proper security features, spend time in the schools educating teens about social media, crimes, and status offenses with a big focus on how we can all learn from our mistakes.

The DB is looking forward to more enhanced training and the ability to serve the needs of the community throughout 2021. We know through the COVID-19 pandemic, the challenges will continue for some people. We want those victims to know we are here to help, suspects to be held accountable, and families to trust in the effort and promise to keep Berkley one of the safest cities in Michigan.

Sincerely,
Detective Lieutenant Andrew Hadfield
INVESTIGATION STATISTICS

Berkley continues to be one of the safest communities in Metro Detroit. Yet, we still deal with serious felony cases. Berkley Detectives investigate all felony cases within the community.

In 2020, we had two new reports of Criminal Sexual Conduct. We received one Home Invasion and there were four Felonious Assaults. Additionally, Berkley DPS investigated 14 stalking cases, 50 larcenies, 52 ID theft cases, 15 Weapons cases, 15 Narcotics cases, and a few other felony crimes.

We had a total of 198 Type A Crimes as listed by the FBI. A total of 243 Type B Crimes, ranging from Drinking & Driving, (125), Obstruction (51), and other miscellaneous offenses.

The total between all Type A, B, & C Crimes was 5196 incidents. Out of these 70 were Warrants Entered, 1500 Miscellaneous Complaints, 635 Non-Criminal Complaints, 352 Traffic Complaints, 227 Crashes, 55 Juvenile, and 199 Traffic-related Incidents.

More info can be found here on the FBI Website at www.crime-data-explorer.app.cloud.gov/explorer/agency/MI6325100/crime

JUVENILE INVESTIGATION STATISTICS

In 2020, Berkley DPS handled 22 Juvenile cases. The 22 cases are down from the usual 75-100 cases in a typical year. The reduction of Juvenile cases can be contributed to the COVID-19 pandemic which had required schools to close.

Juvenile cases of 2020 include curfew violations, family trouble/domestic violence, indecent exposure, assault and battery, and to resist, obstruct and assault of a Public Safety Officer. Many of the Juvenile cases were mitigated within the Public Safety Department. Others were sent to the Berkley-Huntington Woods Youth Assistance Program and two were sent to the Oakland County Juvenile Prosecutor.

Berkley Juvenile officers are Lt. Andrew Hadfield and Sgt. David Arney. They work tirelessly to focus on correcting behavior among children rather than punishment. They regularly attend student events including, football games, dances, prom, and sometimes graduation parties, if invited. Berkley DPS loves our community and knows kids are the future leaders.
TRAFFIC CRASH STATISTICS

Traffic crashes are unfortunately one of the worst days for some people. An unexpected turn, stop or weather can change a good day to a bad day. In Berkley, we investigate all types of crashes. From minor parking lot bumps to multi-car accidents, as well as the tragic Fatal Accidents and Serious Injury Accidents.

Below are the Traffic crash statistics for 2020 which had a total of 228 accidents reported. Berkley averages over 350 per year. This was slightly down in 2020 with fewer cars driving on the streets due to businesses shutdown.

- Regular Crashes: 170
- Injuries: 14
- Hit / Run: 21
- Private Property: 19
- Fatal: 1
- Pedestrians: 3

SERIOUS INCIDENTS

One of the Detective Bureau highlights from 2020 was the solving of serious cases.

In February, the DB was able to investigate an employee from Durst Lumber who embezzled over $75,000 from the business. He was charged and pleaded guilty to the incident. Embezzlement cases are some of the most time-consuming, and the toughest challenge is “chasing the paper trail” which involves analyzing the purchases and activity on credit cards, cash, and charges.

Berkley Detectives were also able to investigate and charge a Detroit subject for an unarmed robbery of a citizen in April. Through the investigation, eyewitness accounts, and other evidentiary techniques, we were able to obtain enough for charges and receive a prompt guilty plea.

In September 2020, a subject committed a Breaking & Entering (B&E) of a commercial office. Detectives were able to lift and examine fingerprints from the office and safe. From there, we were able to make a connection to a long-time criminal. Charges were issued and a conviction and sentencing are forthcoming in 2021.

One of the tougher issues is a recent upswing in Flee / Elude drivers running from a police officer in Metro Detroit. Out of the 26 Flee / Elude incidents, Berkley DPS was able to secure charges on several of these cases which otherwise may have continued.
PROFESSIONAL STANDARDS

Part of the Public Safety Department’s effort to be transparent is releasing information in regards to our Professional Standards Reviews. These could be from citizen complaints or from our internal review of pursuits, cases, and arrests. We also review Use of Force Incidents EVERY TIME an officer has to respond to an individual who is either resisting arrest or legal compliance. Below is a summary of the statistical investigations towards these.

- **NOTE:** We do not release the topics, investigate details or facts of the case in all internal reviews.

### NUMBER OF INCIDENTS REVIEWS

- **CITIZEN COMPLAINTS** - 2 (Several allegations within 1 complaint regarding Use of Force)
  - Patrol Tactics
- **PURSUIT REVIEWS**— 26
- **RESPONSE TO RESISTANCE**— 2
- **INTERNAL REVIEWS**— 5 (3 Pursuits, 1 Crash, 1 Off-Duty Complaint)

All formal reviews have several outcomes. One complaint or one review of an incident could find several offenses or violations within each. For example, there could be one pursuit that involves five or more policies. One citizen complaint could make several allegations or one incident could involve several officers. The outcomes could be the following:

- **Sustained**—A Department order / policy / procedure was in place and was not followed properly.
- **Exonerated**—The actions were reviewed and did occur, but were legal and within policy.
- **Undetermined**—There is not enough evidence to prove or disprove an allegation or violation of policy.
- **Unfounded**—The complaint / action did not occur as reported.

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<th>Sustained</th>
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BDPS will continue to work on improving our officers through training, meeting the standards set within the agency, and our goal of becoming accredited through the Michigan Association of Chiefs of Police (MACP) Program. We strive to hold ourselves to the values of competency, integrity, and work ethic to be able to provide the City of Berkley with superior service.
## 2020 CRIME STATISTICS

### INCIDENT STATISTICS

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<tr>
<th>Offense</th>
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**TOTAL GROUP A** 318 294 281 228 198

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**TOTAL GROUP C** 6924 7101 6815 6874 4755

*Not all offenses listed. These are only the major categories. **Green** indicates Reduction in 2020. *Some ID thefts are reported for info only, and not investigated—numbers combined from local reports and actual ID theft Investigations.
## 2020 CRIME STATISTICS

### CRASH STATISTICS

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<tr>
<th>Category</th>
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</table>

**Not all categories are listed. **Green indicates Reduction in 2020.
GOLF OUTING

Berkley Public Safety runs their Golf Outing to help sponsor Lids for Kids, Fire Open House, Berkley Hotrod, Honor Guard Unit, and the newly formed K-9 Division.

However, due to COVID-19 causing major shutdowns of events all around the world, Berkley DPS decided it was also best to postpone the event. In the past, we have been able to raise over $20,000 to help support our other community events.

For 2021, we have set the date for July 26, 2021, at the Red Run Golf Club in Royal Oak. Be sure to sign up early and bring your best game as you take on some of the Department's finest.

Visit www.berkleypublicsafety.org/golf-outing.

LIDS 4 KIDS & FIRE OPEN HOUSE

As all events in 2020 were being cancelled, the Lids 4 Kids bicycle helmet safety event and Fire Open House were no different. Ultimately, this, in particular, was a perfect time for BDPS to build and complete an addition to the Fire Hall in order to house the New Ladder Truck.

BDPS plans to bring back the Lids 4 Kids and Fire Open House events in 2021! Both are scheduled to be held on September 25, 2021, as a combined event. Kids will be provided bicycle safety tips, fire safety tips, live demonstrations, and so much more.
The BDPS Honor Guard serves the sole purpose to honor and pay tribute to the dedicated men and women who selflessly serve the public safety profession and the City of Berkley.

When called upon, it shall be the duty of the Honor Guard to care for families and lay to rest our brothers and sisters with the highest level of respect and honors. Additional responsibilities include presenting the Nation and State Colors during times of ceremony and sporting events in and around the area. The Honor Guard was created in 2014 and is funded by generous donations made during our fundraising activities.

At the very end of 2019, the Berkley Public Safety Honor Guard had the privilege of presenting the colors at Little Caesars Arena during the Home Town Hero’s game played between the Detroit Red Wings and the Winnipeg Jets. 2020 has been trying for everyone, including the Honor Guard Unit. Our normal activities of presenting the colors at the State of the City Banquet, as well as, at the Steven Siller Tunnel to Towers Race have been cancelled due to the COVID-19 Pandemic.

We hope in 2021, we will be able to get back out and honor our fallen heroes and the City that supports us!

BDPS frequently holds vehicle auctions with our partner A&M Towing in Royal Oak. These vehicles are usually unclaimed after an accident, failed to be registered, or where someone is under arrest and does not send a representative to retrieve the vehicle. Berkley PSO Greg Betts has been running our Auction program for over 10 years.

In 2020, we only held one public auction which included 20 vehicles. None of the proceeds went to Berkley DPS, as they were used to pay towing / storage fees. From time to time, BDPS does receive funds from sales, but not this year. We also turned over found/stolen property for auction.

In 2020, we were able to receive several thousand in auction funds from the sale of old Department vehicles, jewelry, bicycles, and other property when no owner can be found. These funds are returned to the City within the General Budget. Berkley DPS has been using “Mid Thumb Auctions” for the processing of these items.
AWARDS & CITATIONS

Below is a list of Public Safety Employees who received awards for actions taken in 2020, as well as, actions that occurred prior to and awarded in 2020.

LIFE-SAVING AWARD
Officers directly responsible for the saving of human life.

- Sgt. Scott Smith
- PSO Robert Kwiecinski
- PSO Michael Bunting
- Dispatcher Mark Kempski
- PSO Marc Robinson
- PSO Justin Childrey
- Lt. Jordan Kobernick
- PSO Jon Roberts
- PSO Greg Betts
- PSO Brian Smith
- PSO Brian Anderson
- PSO Andrew Boring

DISTINGUISHED SERVICE AWARD
The performance of a public safety service requiring exceptional thoroughness, determination, and initiative in the performance of a difficult task. The service need not involve exposure to physical danger, but because of the exemplary nature of the act, a life is saved, a serious crime is prevented, or a person who has committed a serious crime is apprehended.

- Lt. Andrew Hadfield
- Lt. Jordan Kobernick
- Sgt. Nathan Papke
- PSO Marc Robinson

UNIT CITATION AWARD
Awarded in recognition of outstanding Public Safety services by any departmental unit.

- Lt. Andrew Hadfield (x2)
- PSO Brian Gothard
- PSO Brian Smith
- PSO Dan Schewe
- Sgt. David Arney
- Sgt. Jeff Onesko
- ACO Kevin Palmer
- Sgt. Nathan Papke

CIVILIAN CITATION AWARD
Awarded to a civilian member of the Department for the prevention or solution of a serious crime, the apprehension of a dangerous criminal, or other meritorious action such as lifesaving or assistance to an officer with disregard for the recipient’s personal safety.

- Dispatcher Lisa Foreman
BUDGET 2020
2020 BUDGET

The City of Berkley’s Fiscal Budget runs from July 1 to June 30.

During 2020, Berkley DPS worked on several capital improvement projects, including the purchase of a new Fire Ladder known as Ladder 4, which was delivered in the Spring, reconstruction of the Dispatch Center, and renovations to the Fire Hall.

The Public Safety budget includes:
- Salary / Benefits for over 40 employees
- Dispatch Renovations (began in fall of 2019) - $150,000
- Purchase of a new Animal Control Vehicle—$53,000 (with equipment)
- Two new marked patrol units and one unmarked unit $138,000 in 2019 and two units for $83,000 in 2020

The total budget for 2019/20 was $3.8 million, and $3.6 million for the 2020/21 budget. The latest budgets are less than the previous 2016, 2017, 2018 budgets which all totaled over $4.1 million in expenses each year.

The Director and his executive staff work tirelessly to find ways and make do with current facility and equipment while also strategizing for fiscally smarter upgrades, repairs, and replacements as needed. Several months are spent working on a two-year budget along with the Department’s CERP and CIP five-year plans to make sure the City is ready for the future.

Berkley DPS is looking forward to 2021 where we will implement the new K-9 Officer program, make lobby entrance repairs to be ADA compliant, and fully staffing our Dispatcher Center with two new hires in the coming months.

This information and more on the budget can be found at www.berkleymich.org/finance.
TO SERVE AND PROTECT

The Thin Blue Line represents Law Enforcement professionals for their courage and sacrifice in protecting the American people.

The Thin Red Line represents Fire Service professionals for their courage and sacrifice in protecting the American people.

The Thin Gold Line honors the Dispatch and Public Safety Telecommunicator professionals for their service to the American people.
The Berkley Public Safety Department would like to thank the numerous officers and staff who have helped create and assemble the 2020 Annual Report. We thank the staff and administration at City Hall, Public Works, the Library, and Parks and Recreation for working together with us for the Berkley community.

We would also like to thank the City Council for their continued support of Public Safety. Most importantly, we would like to thank the businesses and residents of Berkley for their appreciation and partnership as their Public Safety Department.

It is our honor to be here when you need us.

Sincerely,

Director Matt Koehn
Executive Staff Lt. Hadfield, Lt. Miller & Lt. Kobernick
All Berkley Public Safety Officers and Civilians
Moved by Councilmember ______________________________ and seconded by Councilmember ______________________________ to approve the purchase of the remainder of the P25 Radio System Equipment from ComSource, Inc., 41271 Concept Dr., Plymouth, MI 48170 at a price not to exceed $50,033.15 from the “Radio Equipment” Account 101-310-984-000. This purchase will be made from the State of Michigan’s Extended Purchasing Program (MiDEAL) Contract 190000001544.

Ayes:

Nays:
INTEROFFICE CORRESPONDENCE

DATE: June 14, 2021
TO: Matthew Baumgarten, City Manager
FROM: Matt Koehn, Director of Public Safety
SUBJECT: REQUEST TO PURCHASE MICHIGAN PUBLIC SAFETY COMMUNICATIONS SYSTEM (MPSCS) COMBATABLE PROJECT 25 (P25) RADIOS AND ACCESSORIES

As you are aware, OpenSky, the current radio system that is used by the Berkley Department of Public Safety, and the rest of Oakland County police/fire/public safety departments (with the exception of Southfield Police and Fire) was implemented in 2010. The current system is a standalone Oakland County system with very limited interoperability with the remainder of the State. There are frequent issues with this system and BDPS frequently has issues with coverage and penetration, especially in buildings. This coverage is particularly poor in larger buildings, such as schools. We are also struggling to obtain replacement parts and radios and have been making such purchases on eBay.

After extensive research, Oakland County has decided to migrate to a Michigan Public Safety Communications System (MPSCS) compatible Project 25 (P25) radio system. P25 is a standards development process for the design, manufacture, and evaluation of interoperable digital two-way land mobile radio systems communications products created by and for public safety professionals. This system will be owned and operated by Oakland County, with seamless interoperability with most other departments in the State. Because I am a member of both the Courts and Law Enforcement Management Information System (CLEMIS) Radio Oversight Committee and the Radio Policy Committee, I have been very involved in the project. The projected "live" date for this new system is projected for July, 2022.

Oakland County will be providing BDPS with approximately $600,000 in radios, remote speaker microphones, consoles, batteries, accessories, installation, programing, and MPSCS "Onboarding" fees. The City of Berkley is responsible for the required additional radios, remote speaker microphones, batteries,
accessories, installation, programming, and MPSCS "Onboarding" fees that are not being provided.

In FY 20/21 the Department purchased some radios and accessories for the P25 system. BDPS has budgeted $75,000 in FY 21/22 in the Radio Equipment (101-310-984-000) account to purchase the remainder of the needed radios and equipment.

The Department of Public Safety requests approval to purchase the following radios/equipment:

- 2 Motorola APX6000XE Public Safety Portable Radios
- 2 XE Remote Speaker Microphones
- 2 Single Unit Impress 2 Battery Chargers
- 1 APX6500 "Dual Control Head" Mobile Radio with installation
- 2 APX6500-03 Handheld Control Head Mobile Radios with installation
- 1 APX6500 Desk Top Control Station with installation
- 3 MCD 5000 Desksets with installation
- 5 APX Travel Chargers
- 50 Ear Receivers (to be used with remote speaker mic.)
- 2 Permanent Mount Vehicular Battery Chargers with Installation

The total cost of this initial purchase is $50,033.15 (see attached quote for specifics).

Unlike our current radios, the APX6000XE portable radios, XE remote speaker microphones, and all batteries are intrinsically safe (for operation in hazardous areas by limiting the energy, electrical and thermal, available for ignition in areas with dangerous concentrations of flammable gases or dust).

MPSCS "Onboarding" fees will be purchased for all BDPS owner radios later in FY 21/22.

This purchase will be made from the State of Michigan's Extended Purchasing Program (MiDEAL) Contract #190000001544. All warranties do not start until Oakland County has accepted the P25 radio system and it is live.

The Department of Public Safety requests approval to purchase the above necessary radios, remote speaker microphones, battery chargers, and installation from ComSource, Inc., 41271 Concept Dr., Plymouth, MI 48170 at a price not to exceed $50,033.15 from the "Radio Equipment" Account #101-310-984-000.

Please feel free to contact me with any questions.
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<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Model</th>
<th>Description</th>
<th>MSRP</th>
<th>Disc. %</th>
<th>Unit Price</th>
<th>Total Price</th>
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<td>30%</td>
<td>$320.00</td>
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**APX65000XE PORTABLE RADIO SUB TOTAL**: $6,532.00

**APX65000XE ACCESSORIES SUB TOTAL**: $2,738.25

**APX6500-DUAL CONTROLLER HEAD MOBILE RADIO**

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<th>MSRP</th>
<th>Disc. %</th>
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<td>$420.00</td>
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<tr>
<td>6D</td>
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<td>30%</td>
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<td>$630.00</td>
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<td>ENH: SMARTZONE OPERATION</td>
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<td>30%</td>
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<td>$3.00</td>
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<td>$302.00</td>
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<tr>
<td>6I</td>
<td>1</td>
<td>H71060</td>
<td>ADD: TEST RESULTS REPORTED, Data Printout</td>
<td>$10.00</td>
<td>30%</td>
<td>$7.00</td>
<td>$14.00</td>
</tr>
<tr>
<td>6J</td>
<td>1</td>
<td>QA04918</td>
<td>ENH: ASTRO 25 OTAR W. FULLKEY</td>
<td>$740.00</td>
<td>30%</td>
<td>$518.00</td>
<td>$1,036.00</td>
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<td>30%</td>
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**APX6500-DUAL MOBILE RADIO SUB TOTAL**: $5,912.60

**APX6500-03 HANDHELD CONTROL HEAD MOBILE RADIO**

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<th>Qty</th>
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<th>Disc. %</th>
<th>Unit Price</th>
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<tr>
<td>6B</td>
<td>2</td>
<td>G851</td>
<td>ENH: SMARTZONE OPERATION</td>
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<td>30%</td>
<td>$840.00</td>
<td>$1,680.00</td>
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<tr>
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<td>30%</td>
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<td>$420.00</td>
</tr>
<tr>
<td>6D</td>
<td>2</td>
<td>QA00560</td>
<td>ADD: TDMA OPERATION</td>
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<td>30%</td>
<td>$315.00</td>
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<tr>
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<td>30%</td>
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**APX6500-DUAL MOBILE RADIO SUB TOTAL**: $6,736.20

**APX6500-DUAL MOBILE RADIO SUB TOTAL**: $6,838.20
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<td>$35.00</td>
<td>30%</td>
<td>$24.50</td>
<td>$49.00</td>
</tr>
<tr>
<td>6N</td>
<td>2 GA00318</td>
<td>$35.00</td>
<td>30%</td>
<td>$24.50</td>
<td>$49.00</td>
</tr>
<tr>
<td>6O</td>
<td>2 G799</td>
<td>$10.00</td>
<td>30%</td>
<td>$7.00</td>
<td>$14.00</td>
</tr>
<tr>
<td>6P</td>
<td>2 G298</td>
<td>$74.00</td>
<td>30%</td>
<td>$51.80</td>
<td>$1,036.00</td>
</tr>
<tr>
<td>6Q</td>
<td>2 GS51</td>
<td>$795.00</td>
<td>30%</td>
<td>$557.50</td>
<td>$1,115.00</td>
</tr>
<tr>
<td>6R</td>
<td>2 GA01575AB</td>
<td>$75.00</td>
<td>30%</td>
<td>$52.50</td>
<td>$105.00</td>
</tr>
<tr>
<td>6S</td>
<td>2 GA0001</td>
<td>$300.00</td>
<td>30%</td>
<td>$210.00</td>
<td>$420.00</td>
</tr>
<tr>
<td>6T</td>
<td>2 GA0001</td>
<td>$0.00</td>
<td>30%</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>6U</td>
<td>2 HKU24821A</td>
<td>$96.00</td>
<td>30%</td>
<td>$64.40</td>
<td>$128.80</td>
</tr>
<tr>
<td>6V</td>
<td>2 Q4016688A</td>
<td>$30.00</td>
<td>30%</td>
<td>$21.00</td>
<td>$42.00</td>
</tr>
</tbody>
</table>

**APX6500-63 MOBILE RADIO SUBTOTAL**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>M25SJRSPV1BN</td>
<td>$2,758.00</td>
</tr>
<tr>
<td>G636</td>
<td>$515.00</td>
</tr>
<tr>
<td>G514</td>
<td>$1,200.00</td>
</tr>
<tr>
<td>G551</td>
<td>$250.00</td>
</tr>
<tr>
<td>GA00580</td>
<td>$450.00</td>
</tr>
<tr>
<td>GA10771</td>
<td>$200.00</td>
</tr>
<tr>
<td>GA00170</td>
<td>$375.00</td>
</tr>
<tr>
<td>G444</td>
<td>$75.00</td>
</tr>
<tr>
<td>G65</td>
<td>$125.00</td>
</tr>
<tr>
<td>V682</td>
<td>$165.00</td>
</tr>
<tr>
<td>G412</td>
<td>$0.00</td>
</tr>
<tr>
<td>G81</td>
<td>$75.00</td>
</tr>
<tr>
<td>G688</td>
<td>$175.00</td>
</tr>
<tr>
<td>G651</td>
<td>$795.00</td>
</tr>
<tr>
<td>G665</td>
<td>$75.00</td>
</tr>
<tr>
<td>GA00270</td>
<td>$33.00</td>
</tr>
<tr>
<td>GA0001</td>
<td>$300.00</td>
</tr>
<tr>
<td>GA0001</td>
<td>$325.00</td>
</tr>
<tr>
<td>G509</td>
<td>$0.00</td>
</tr>
<tr>
<td>G614</td>
<td>$5.00</td>
</tr>
<tr>
<td>G417</td>
<td>$0.00</td>
</tr>
<tr>
<td>DMF817V7461</td>
<td>$345.00</td>
</tr>
</tbody>
</table>

**APX6500 CONTROL STATION SUBTOTAL**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCD 5000 DESKSET</td>
<td>$1,500.00</td>
</tr>
<tr>
<td>SM. RADIO GATEWAY UNIT (RGU)</td>
<td>$1,500.00</td>
</tr>
<tr>
<td>ETHERNET CABLE 10'</td>
<td>$60.00</td>
</tr>
<tr>
<td>DESKSET / RGU POWER SUPPLY</td>
<td>$100.00</td>
</tr>
<tr>
<td>EXISTING ACCESS TO OMA ADAPTER</td>
<td>$250.00</td>
</tr>
</tbody>
</table>

**DESKSET SUBTOTAL**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSTALLATION SERVICES</td>
<td>$280.00</td>
</tr>
<tr>
<td>INSTALLATION CONTROL STATION</td>
<td>$280.00</td>
</tr>
<tr>
<td>INSTALLATION MCD DEVICES</td>
<td>$280.00</td>
</tr>
<tr>
<td>INSTALLATION VEHICLE CHARGER PERMANENT</td>
<td>$280.00</td>
</tr>
<tr>
<td>INSTALLATION &quot;DUAL HEAD MOUNT&quot;</td>
<td>$600.00</td>
</tr>
<tr>
<td>INSTALLATION &quot;REMOTE &amp; 03 MOUNT&quot;</td>
<td>$600.00</td>
</tr>
<tr>
<td>INSTALLATION &quot;ANY MODEL OF RADIO&quot;</td>
<td>$75.00</td>
</tr>
</tbody>
</table>

**INSTALLATION SUBTOTAL**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM GRAND TOTAL</td>
<td>$50,033.16</td>
</tr>
</tbody>
</table>

**MPSCS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Price 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUSTOMER IS RESPONSIBLE FOR PAYING ANY APPLICABLE USER FEES TO OAKLAND COUNTY</td>
<td>$1,500.00</td>
</tr>
</tbody>
</table>
8. The purchase order will need to provide payment terms (Net 30), shipping address.
From day one, the APX 6000XE P25 two-way portable radio has met agencies’ most demanding performance expectations. It delivers trusted performance in a single-band solution without compromising on the extreme form factor or features that are required for routine activities and emergencies. Now, as the ever-increasing needs of public safety personnel grow, we are evolving the APX 6000XE to support new technologies like Wi-Fi®, Adaactive Audio Engine, and Bluetooth® 4.0 wireless technology.

**VOICE AND DATA, ALL AT ONCE**
Update your radio fleet without interrupting voice communications with secure Wi-Fi. This dramatically improves the speed of configuring new codeplugs, firmware and software features over-the-air via Radio Management™. Agencies can pre-provision up to 20 secure Wi-Fi hotspots so personnel can easily access updates at the facility or in the field.

**EMERGENCY FIND ME**
Bluetooth 4.0 places a wide range of wireless accessories at your disposal and provides personnel with an added level of security by improving response time in emergencies. With Emergency Find Me, a Bluetooth-enabled beacon signal guides other Bluetooth-enabled APX radios within range to assist the user in distress.

**HEAR AND BE HEARD**
The APX 6000XE is equipped with a 3-watt speaker, 3 integrated microphones and Adaactive Audio Engine. This changes the level of noise suppression, microphone gain, windporting and speaker equalization to produce clear and loud audio in any environment.

**CLEAR IN-MASK COMMUNICATIONS**
With Bluetooth 4.0 standard on all APX XE radios, we are able to partner with SCBA industry leaders to provide in-mask communications so you can clearly hear and be heard. Collaborations with both MSA and Scott Safety allow us to deliver intelligible voice and data communications.
SEAMLESS ON-SCENE COMMUNICATION
Ensure fast and seamless communication and collaboration across all responders arriving on a scene. Mission Critical Geofence automatically changes a radio’s active talkgroup based on its GPS location and an agency-defined virtual barrier. For example, an incident commander can create a geofence around the 3-block radius of a burning building so that all arriving military personnel are automatically placed in the same talkgroup.

IMPROVE SAFETY WITH REAL-TIME DATA
APX Personnel Accountability Application allows incident command personnel to quickly and accurately account for first responders with APX radios roll call and an interactive GUI. This real-time information allows you to maintain control of a chaotic fireground.
**SPECIFICATIONS**

**RF BANDS**
- 700/800 MHz, VHF, UHF Range 1 & UHF Range 2
- 9600 Baud Digital APCO P25 Phase 1 FDMA and Phase 2 TDMA Trunking
- 3800 Baud SmartNet®, SmartZone®, SmartZone, Omnilink Trunking
- Digital APCO 25, Conventional, Analog MDC 1200, Quick Call II System Configurations Narrow and Wide Bandwidth Digital Receiver (6.25 kHz Equivalent/25/20/12.5 KHz)

**STANDARD FEATURES**
- Mission Critical Wireless Bluetooth 4.0 (BLE)™
- Emergency Find Me™
- IP88 (2m/4hr), Mil Std 512 X Delta - T
- ASTR 25 Integrated Voice & Data
- Integrated GPS/GLONASS for Outdoor Location Tracking
- Voice Announcements
- IS95000 Roaming
- Radio Profiles
- Dynamic Zone
- Intelligent Lighting
- Single-Key ADP Encryption
- IMPRES 2 Battery (NNTN8930b)
- Text Message
- Software Key

**PROGRAMMING**
- Utilizes Windows 7 & 8 Customer Programming Software (CPS) with Radio Management

**ADAPTIVE AUDIO ENGINE (OPTIONAL)**
- 3 Watt Speaker with Adaptive Equalization
- Adaptive Dual-sided Operation
- Adaptive Noise Suppression Intensity
- Adaptive Gain Control
- Adaptive Windporting

**OPTIONAL FEATURES**
- Wi-Fi 802.11 b/g/n
- RFID Volume Knob
- Multi-Key for 128 keys and Multi-Algorithm Programming Over Project 25 (OTAP)
- Over the Air Rekey (OTAR)
- Digital Tone Signaling
- LEX L10 Collaboration
- P25 Authentication
- Man Down Sensor
- High Impact Green and Public Safety Yellow Colored Housing Options

**TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>700/800</th>
<th>VHF</th>
<th>UHF Range 1</th>
<th>UHF Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range/Bandspits</td>
<td>700 MHz</td>
<td>763-775, 793-805 MHz</td>
<td>136-174 MHz</td>
<td>380-470 MHz</td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>807-824, 851-870 MHz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Frequency Separation</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
</tr>
<tr>
<td>Rated RF Output Power Adj</td>
<td>1-3 W Max</td>
<td>1-6 W Max</td>
<td>1-5 W Max</td>
<td>1-5 W</td>
</tr>
<tr>
<td>Frequency Stability (≤39 °C to ≤60 °C, ≥26 °C Ref.)</td>
<td>≤0.0010 %</td>
<td>≤0.0010 %</td>
<td>≤0.0010 %</td>
<td>≤0.0010 %</td>
</tr>
<tr>
<td>Modulation Limiting</td>
<td>≤5 kHz / ±4 kHz / ±2.5 kHz</td>
<td>≤5 kHz / ±4 kHz / ±2.5 kHz</td>
<td>≤5 kHz / ±4 kHz / ±2.5 kHz</td>
<td>≤5 kHz / ±4 kHz / ±2.5 kHz</td>
</tr>
<tr>
<td>Emissions (Conducted and Radiated)</td>
<td>-75 dB</td>
<td>-75 dB</td>
<td>-75 dB</td>
<td>-75 dB</td>
</tr>
<tr>
<td>Audio Response</td>
<td>+1 - 3 dB</td>
<td>+1 - 3 dB</td>
<td>+1 - 3 dB</td>
<td>+1 - 3 dB</td>
</tr>
<tr>
<td>FM Hum &amp; Noise</td>
<td>25 kHz</td>
<td>55 dB</td>
<td>50 dB</td>
<td>45 dB</td>
</tr>
<tr>
<td>Audio Distortion</td>
<td>700 MHz</td>
<td>1.00 %</td>
<td>1.00 %</td>
<td>1.00 %</td>
</tr>
</tbody>
</table>

*Measured in the analog mode per TIA/EIA 500 under nominal conditions.

1. Per the FCC Narrowbanding rules, new products (APX8000 UHF1, UHF2) submitted for FCC certification after January 1, 2011 are restricted from being granted certification at 25 kHz for United States - State & Local Markets only.
2. CPS version R1.00.00 and greater ordered after June 2014 will only support Windows 7 and 8.

PRODUCT DATA SHEET | APX 600XE SINGLE-BAND PORTABLE RADIO
### BATTERIES FOR APX 6000XE

<table>
<thead>
<tr>
<th>Battery Capacity / Type</th>
<th>Dimensions (HxWxD)</th>
<th>Weight</th>
<th>Battery Part Number</th>
<th>Battery Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Li-Ion IMPRES 2 3400mAh</td>
<td>3.4&quot; x 2.3&quot; x 1.7&quot;</td>
<td>0.6 oz</td>
<td>PMNN4486</td>
<td>3400 mAh</td>
</tr>
<tr>
<td>Li-Ion IMPRES 2 4560mAh</td>
<td>3.4&quot; x 2.3&quot; x 1.7&quot;</td>
<td>0.8 oz</td>
<td>PMNN4487</td>
<td>4850 mAh</td>
</tr>
<tr>
<td>Li-Ion IMPRES 2 5100mAh</td>
<td>3.4&quot; x 2.3&quot; x 1.7&quot;</td>
<td>1.1 oz</td>
<td>PMNN4484</td>
<td>5100 mAh</td>
</tr>
<tr>
<td>Li-Ion IMPRES 2 2650 mAh†</td>
<td>3.4&quot; x 2.3&quot; x 1.7&quot;</td>
<td>5.7 oz</td>
<td>NNTN8830</td>
<td>2650 mAh</td>
</tr>
<tr>
<td>Li-Ion IMPRES 2 4500mAh</td>
<td>3.4&quot; x 2.3&quot; x 1.7&quot;</td>
<td>11 oz</td>
<td>NNTN8892</td>
<td>4500 mAh</td>
</tr>
</tbody>
</table>

† The standard shipping battery for the APX 6000XE

### RADIO MODELS

#### MODEL 1.5

- **Display**: Full bitmap monochromatic LCD, top display
- **Keypad**: None
- **Channel Capacity**: 96
- **FLASHport Memory**: 64 MB
- **700/800 MHz (76.4-896 MHz)**: H88U9D9PW5BN
- **VHF (136-174 MHz)**: H88K8D9PW5BN
- **UHF Range 1 (380-470 MHz)**: H89S0D9PW5BN
- **UHF Range 2 (450-520 MHz)**: H89S0D9PW5BN
- **Buttons & Switches**: Large PTT button, Angled On/Off volume control, 13 position top-mounted rotary switch
- **Regulatory Information**: FCC ID: AZ489FTX085; Industry Canada: 109U-89FT7085

#### MODEL 2.5

- **Display**: Full bitmap color LCD, top display
- **Keypad**: Backlit keypad, 4 soft keys, 4 direction Navigation key, Home and Data buttons
- **Channel Capacity**: 1000
- **FLASHport Memory**: 64 MB
- **700/800 MHz (76.4-896 MHz)**: H88U9D9PW5BN
- **VHF (136-174 MHz)**: H88K8D9PW5BN
- **UHF Range 1 (380-470 MHz)**: H89S0D9PW5BN
- **UHF Range 2 (450-520 MHz)**: H89S0D9PW5BN
- **Buttons & Switches**: Large PTT button, Angled On/Off volume control, Orange emergency button, 13 position top-mounted rotary switch, 2-position concentric switch, Multi-color backlight, 3 position toggle switch, 3 programmable side buttons
- **Regulatory Information**: FCC ID: AZ489FTX085; Industry Canada: 109U-89FT7087

#### MODEL 3.5

- **Display**: Full bitmap color LCD, top display
- **Keypad**: Backlit keypad, 3 soft keys, 4 direction Navigation key, Home and Data buttons
- **Channel Capacity**: 1000
- **FLASHport Memory**: 64 MB
- **700/800 MHz (76.4-896 MHz)**: H88U9D9PW5BN
- **VHF (136-174 MHz)**: H88K8D9PW5BN
- **UHF Range 1 (380-470 MHz)**: H89S0D9PW5BN
- **UHF Range 2 (450-520 MHz)**: H89S0D9PW5BN
- **Buttons & Switches**: Large PTT button, Angled On/Off volume control, Orange emergency button, 13 position top-mounted rotary switch, 2-position concentric switch, Multi-color backlight, 3 position toggle switch, 3 programmable side buttons
- **Regulatory Information**: FCC ID: AZ489FTX085; Industry Canada: 109U-89FT7087

### Power Supply

- **Power Supply**: One rechargeable Li-Ion IMPRES 2 2650 mAh Battery Standard (H88U0RF7083), with alternate battery options available.

---

1. Enhancement package available
2. Per FCC Normalizing rules, new products (APX6000) UHFR1, UHFR2 submitted for FCC certifi cation after January 1, 2011 are restricted from being granted certifi cation at GMRF for United States - State & Local Markets only.
### RECEIVER - TYPICAL PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>700/800</th>
<th>VHF</th>
<th>UHF Range 1</th>
<th>UHF Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range/Bandspits</td>
<td>763-775 MHz</td>
<td>139-174 MHz</td>
<td>360-470 MHz</td>
<td>450-520 MHz</td>
</tr>
<tr>
<td></td>
<td>851-873 MHz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
</tr>
<tr>
<td>Maximum Frequency Separation</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
</tr>
<tr>
<td>Audio Output Power at Rated1</td>
<td>500 mW</td>
<td>500 mW</td>
<td>500 mW</td>
<td>500 mW</td>
</tr>
<tr>
<td>Analog Sensitivity2</td>
<td>0.17 µV</td>
<td>0.224 µV</td>
<td>0.203 µV</td>
<td>0.236 µV</td>
</tr>
<tr>
<td>Digital Sensitivity1</td>
<td>0.376 µV</td>
<td>0.243 µV</td>
<td>0.200 µV</td>
<td>0.204 µV</td>
</tr>
<tr>
<td>Selectivity3</td>
<td>-76 dB</td>
<td>-77 dB</td>
<td>-76 dB</td>
<td>-76 dB</td>
</tr>
<tr>
<td></td>
<td>-76 dB</td>
<td>-76 dB</td>
<td>-76 dB</td>
<td>-76 dB</td>
</tr>
<tr>
<td>Intermodulation</td>
<td>-80.1 dB</td>
<td>-80.2 dB</td>
<td>-80.3 dB</td>
<td>-80.2 dB</td>
</tr>
<tr>
<td></td>
<td>-76 dB</td>
<td>-76 dB</td>
<td>-76 dB</td>
<td>-76 dB</td>
</tr>
<tr>
<td>Spurious Rejection</td>
<td>-80.5 dB</td>
<td>-80.5 dB</td>
<td>-80.5 dB</td>
<td>-80.5 dB</td>
</tr>
<tr>
<td>FM Hum and Noise</td>
<td>-54 dB</td>
<td>-56.1 dB</td>
<td>-53.5 dB</td>
<td>-52.5 dB</td>
</tr>
<tr>
<td></td>
<td>-78 dB</td>
<td>-78 dB</td>
<td>-78 dB</td>
<td>-78 dB</td>
</tr>
<tr>
<td>Audio Distortion at Rated1</td>
<td>0.05%</td>
<td>0.70%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Measured in the analog mode per TIA / EIA 953 under nominal conditions.
2. Measured conductively in digital mode per TIA / EIA 522, CAAFF under nominal conditions.
3. Accuracy specs are for long-term tracking (80% percentile value - > satellites visible at a nominal ~130 dBm signal strength).

### PORTABLE MILITARY STANDARDS 810 C, D, E, F & G

|--------------|--------------|--------------|--------------|--------------|

Product Data Sheet | APX 600/600XE SINGLE-BAND PORTABLE RADIO
### DIMENSIONS OF THE RADIOS WITHOUT BATTERY

<table>
<thead>
<tr>
<th></th>
<th>Length</th>
<th>Width Push-To-Talk button</th>
<th>Depth Push-To-Talk button</th>
<th>Width Top</th>
<th>Depth Top</th>
<th>Depth Bottom of Battery</th>
<th>Weight of the radio without battery</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.47 in</td>
<td>2.29 in</td>
<td>1.40 in</td>
<td>2.58 in</td>
<td>1.58 in</td>
<td>1.24 in</td>
<td>18.9 oz</td>
</tr>
<tr>
<td></td>
<td>139 mm</td>
<td>60.7 mm</td>
<td>35.6 mm</td>
<td>75.7 mm</td>
<td>40.1 mm</td>
<td>31.5 mm</td>
<td>305 g</td>
</tr>
</tbody>
</table>

### ENCRYPTION

<table>
<thead>
<tr>
<th>Supported Encryption Algorithms</th>
<th>ACP, AES, DES, DES-XL, DES-OFB, EVP-XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encryption Algorithm Capacity</td>
<td>8</td>
</tr>
<tr>
<td>Encryption Keys per Radio</td>
<td>Module capable of storing 1024 keys. Programmable for 54 Common Key Reference (CKR) or 16 Physical Identifiers (PID)</td>
</tr>
<tr>
<td>Encryption Frame Re-sync Interval</td>
<td>P25 CAI 300 mSec</td>
</tr>
<tr>
<td>Encryption Keying</td>
<td>Key Loader</td>
</tr>
<tr>
<td>Synchronization</td>
<td>XL – Counter Addressing, OFB – Output Feedback</td>
</tr>
<tr>
<td>Vector Generator</td>
<td>National Institute of Standards and Technology (NIST) approved random number generator</td>
</tr>
<tr>
<td>Encryption Type</td>
<td>Digital</td>
</tr>
<tr>
<td>Key Storage</td>
<td>Tamper protected volatile or non-volatile memory</td>
</tr>
<tr>
<td>Key Erasure</td>
<td>Keyboard command and tamper detection</td>
</tr>
<tr>
<td>Standards</td>
<td>FIPS 140-2 Level 3, FIPS 197</td>
</tr>
</tbody>
</table>

### GPS/GPS/GNSS SPECIFICATIONS

<table>
<thead>
<tr>
<th>Constellations</th>
<th>GPS &amp; GLONASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracking Sensitivity</td>
<td>-164 dBm</td>
</tr>
<tr>
<td>Accuracy¹</td>
<td>&lt;5 meters (95%)</td>
</tr>
<tr>
<td>Cold Start</td>
<td>&lt;60 seconds (95%)</td>
</tr>
<tr>
<td>Hot Start</td>
<td>&lt;6 seconds (95%)</td>
</tr>
<tr>
<td>Mode of Operation</td>
<td>Autonomous (Non-Assisted)</td>
</tr>
</tbody>
</table>

### RUGGED SPECIFICATIONS

<table>
<thead>
<tr>
<th>Leakage (submersion)</th>
<th>MIL-STD-810C, D, E, F and G Method 512 X Pressure Test, I, IP68 (2 meters, 4 hours)</th>
</tr>
</thead>
</table>

### ENVIRONMENTAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Operating Temperature¹</th>
<th>-30 °C to +60 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature²</td>
<td>-50 °C to +65 °C</td>
</tr>
<tr>
<td>Humidity Per MIL-STD</td>
<td>ESD IEC 801-2 KV</td>
</tr>
<tr>
<td>Water and Dust Intuhion</td>
<td>IP68 (2 meters, 4 hours)</td>
</tr>
</tbody>
</table>

### HOUSING COLOR

| Black (Standard), Public Safety Yellow, and High Impact Green |

1 Measured conductively in analog mode per TIA / TR 489-193 under nominal conditions
2 Temperatures listed are for radio specifications. Battery storage is recommended at 25 °C, ±5 °C to ensure best performance.

PRODUCT DATA SHEET | APX 8000XE SINGLE-BAND PORTABLE RADIO
<table>
<thead>
<tr>
<th><strong>EMISSION DESIGNATORS</strong></th>
<th><strong>WIRELESS CONNECTIVITY AND SECURITY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LMR:</strong> 8K10F1D, 8K10F1E, 8K10F1W, 11K0F3E, 16K0F3E, 20K0F1E</td>
<td><strong>Frequency Range/Bandspits:</strong></td>
</tr>
<tr>
<td>Bluetooth: 562K31D, 1M17F1D, 1M19F1D, 1M04F1D</td>
<td><strong>Bluetooth:</strong> 2402 - 2480 MHz, WLAN (Wi-Fi): 2400 - 2483.5 MHz</td>
</tr>
<tr>
<td>WLAN (Wi-Fi): 13M7G1D, 17M0D1D, 16D1D</td>
<td><strong>WLAN (Wi-Fi) 802.11 b/g/n</strong> supports WPA2, WPA, WEP security protocols; radio can be pre-provisioned with up to 20 SSIDs</td>
</tr>
</tbody>
</table>

**Mission Critical Wireless Bluetooth 2.1 uses 96 bit encryption for pairing & 128 bit encryption for voice, signaling and data. The radio BT supports up to 6 data connections and 1 audio connection**

**Bluetooth 4.0 Low Energy uses 128-bit AES-CCM encryption**

1 2400 - 2483.5 MHz for EMEA region and includes guardband. Channels 1 - 11 used for FCC/IC region.
APX™ 6500
PROJECT 25 MOBILE RADIO

We've put exceptional flexibility into an advanced mission critical mobile radio that's easy to operate and intuitive to use. The APX 6500 P25 mobile allows users to choose from 4 control heads, mid and high power models and multiple installation configurations in an easy to install design. Innovative safety features such as GPS location tracking, intelligent lighting and one-touch controls help to keep first responders safer than ever before.

Focus on the task not the technology, with the hardworking mission critical mobile that turns mission critical into mission complete.

FLEXIBLE PLATFORM
- Interchangeable control heads that best support your operational needs - 02, 03, 05, 07 and 09
- Two transceiver options - high-power and mid-power
- Dual control head support offered on the 02, 05, 07 and 09 control heads

EASY TO INSTALL AND EFFORTLESS TO USE
- Mid-power model fits into any existing XTL footprint, so you can reuse mounting holes and cables
- High-power model trunnion design lets you remove the radio without removing the cables
- 12 character RF ID label helps you track information without uninstalling your radio

CUTTING-EDGE TECHNOLOGY AND ADVANCED FEATURES
- Project 25 Phase 2 technology provides twice the voice capacity
- Integrated GPS lets you locate and track an individual or vehicle
- Advanced features like intelligent lighting, radio profiles and text messaging improve communication and coordination

DATA SHEET | APX™ 6500
APX™ 6500 SPECIFICATIONS

FEATURES AND BENEFITS:
- Available in 700/800 MHz, VHF, UHF R1 and UHF R2 bands
- Channels: 870*
- Trunking Standards supported:
  - Clear or digital encrypted Trunked Operation
  - Capable of SmartZone®, SmartZone Omniradio, SmartNet®
- Analog MDC-1200 and Digital APCO P25
- Conventional System Configurations
- Narrow and wide bandwidth digital receiver (6.25kHz/12.5kHz/25kHz/50kHz)
- Embedded digital signaling (ASTRO and ASTRO 25®)
- Integrated Encryption Hardware
- Software Key
- ASTRO 25 Integrated Voice & Data
- Intelligent lighting
- Integrated GPS/GLONASS for outdoor location tracking
- Radio profiles
- Unified Call List
- Meets applicable MIL-STD 810C, D, E, F and G
- Ships standard IP54
- Utilizes Windows XP, Vista and Windows 7and 8
- Customer Programming Software (CPS)**
- Supports USB Communications
- Built in FLASHPort™ support
- Re-use of most XTL® accessories, plus new IMPRES accessories

OPTIONAL FEATURES:
- Enhanced Encryption Software Options
- Programming over Project 25 (P25) Text Messaging
- Over the Air Rekeying (OTAR)
- 12 character RF ID asset tracking
- Tactical OTAR
- Siren and Light Interface Module

** Enhancement package available

TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>700 MHz</th>
<th>800 MHz</th>
<th>VHF</th>
<th>UHF Range 1</th>
<th>UHF Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range/Bandsplit</td>
<td>764-776 MHz</td>
<td>806-824 MHz</td>
<td>133-174 MHz</td>
<td>380-420 MHz</td>
<td>460-520 MHz</td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
<td>25/20/12.5 kHz</td>
</tr>
<tr>
<td>Maximum Frequency Separation</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
</tr>
<tr>
<td>Frequency Stability* (−30°C to +60°C, ±25°C Ref.)</td>
<td>±0.00015%</td>
<td>±0.00005%</td>
<td>±0.0002%</td>
<td>±0.0002%</td>
<td>±0.0002%</td>
</tr>
<tr>
<td>Modulation Limiting* (±5 kHz @ ±2.5 kHz)</td>
<td>±5 kHz @ ±2.5 kHz</td>
<td>±5 kHz @ ±2.5 kHz (NPSAIC)</td>
<td>±5 kHz @ ±2.5 kHz</td>
<td>±5 kHz @ ±2.5 kHz</td>
<td>±5 kHz @ ±2.5 kHz</td>
</tr>
<tr>
<td>Modulation Stability (±4.5 kHz, 12.5 kHz Digital Channel)</td>
<td>±2.8 kHz</td>
<td>±2.8 kHz</td>
<td>±2.8 kHz</td>
<td>±2.8 kHz</td>
<td>±2.8 kHz</td>
</tr>
<tr>
<td>Emissions* Conducted</td>
<td>−70 dBc</td>
<td>−70 dBc</td>
<td>−70 dBc</td>
<td>−70 dBc</td>
<td>−70 dBc</td>
</tr>
<tr>
<td>Emissions* Radiated</td>
<td>−20 dBm</td>
<td>−20 dBm</td>
<td>−20 dBm</td>
<td>−20 dBm</td>
<td>−20 dBm</td>
</tr>
<tr>
<td>Audio Response*</td>
<td>−1, −3 dB (EIA)</td>
<td>−1, −3 dB (EIA)</td>
<td>−1, −3 dB (EIA)</td>
<td>−1, −3 dB (EIA)</td>
<td>−1, −3 dB (EIA)</td>
</tr>
<tr>
<td>FM Hum &amp; Noise</td>
<td>25 kHz</td>
<td>−50 dB</td>
<td>−50 dB</td>
<td>−50 dB</td>
<td>−50 dB</td>
</tr>
<tr>
<td>Audio Distortion*</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
</tr>
</tbody>
</table>

DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid Power Radio Transceiver</td>
<td>5 x 7 x 8.8</td>
<td>127 x 183 x 224.4</td>
</tr>
<tr>
<td>CB Control Head</td>
<td>2 x 7 x 2.5</td>
<td>51 x 183 x 63.5</td>
</tr>
<tr>
<td>O2 Control Head</td>
<td>2.7 x 8 x 2.1</td>
<td>68.4 x 206 x 51.8</td>
</tr>
<tr>
<td>O7 Control Head</td>
<td>3 x 7 x 1.5</td>
<td>76.2 x 180 x 33.0</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and CB Control Head - Dash Mount</td>
<td>3 x 7 x 8.8</td>
<td>76.2 x 180 x 224.4</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and O2 Control Head - Dash Mount</td>
<td>2.7 x 8 x 13.5</td>
<td>68.4 x 206 x 337.8</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and O7 Control Head - Dash Mount</td>
<td>2.7 x 7 x 10.3</td>
<td>68.4 x 178 x 267</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and Remote Mount</td>
<td>2.6 x 7 x 8.8</td>
<td>66.0 x 180 x 220</td>
</tr>
<tr>
<td>High Power Radio Transceiver</td>
<td>2.9 x 11.5 x 8.8</td>
<td>73.4 x 292 x 228.6</td>
</tr>
<tr>
<td>High Power Radio Transceiver with Handle</td>
<td>3.4 x 11.5 x 8.8</td>
<td>86.4 x 292 x 228.6</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and O2 Control Head Weight</td>
<td>6.9 lbs</td>
<td>3.1 kg</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and O2 Control Head Weight</td>
<td>7.02 lbs</td>
<td>3.21 kg</td>
</tr>
<tr>
<td>Mid Power Radio Transceiver and O7 Control Head Weight</td>
<td>8.74 lbs</td>
<td>3.98 kg</td>
</tr>
<tr>
<td>High Power Radio Transceiver Weight</td>
<td>14.2 lbs</td>
<td>6.4 kg</td>
</tr>
<tr>
<td>High Power Radio Transceiver Weight (With Transmit)</td>
<td>12 lbs</td>
<td>5.4 kg</td>
</tr>
</tbody>
</table>
**APX 6500 CONTROL HEAD PORTFOLIO**

**02 RUGGED CONTROL HEAD**
- Large color display with intelligent lighting
- 3 lines of text / 14 characters max / 1 line of icons / 1 line of menus
- Built in 7.5 watt speaker
- Multiple control head configuration (up to 2)
- Multifunction volume/ channel knob
- Night/day mode button

**03 HAND HELD CONTROL HEAD**
- Large color display with intelligent lighting
- 2 lines of text / 14 characters max / 1 line of icons / 1 line of menus
- Integrated full size DTMF keypad
- Hand-held control head with intuitive user interface
- Two quick-access side buttons
- Display contrast selector

**05 STANDARD CONTROL HEAD**
- Tri-color display with intelligent lighting
- 2 lines of text / 14 characters max / 1 line of icons / 1 line of menus
- Available with a Keypad Microphone
- Multiple control head configuration (up to 2)
- Display contrast selector

**07 ENHANCED CONTROL HEAD**
- Large color display with intelligent lighting
- 2 lines of text / 14 characters max / 1 line of icons / 1 line of menus
- Available with Lighting & Siren Controls or DTMF Keypad
- Multiple control head configuration (up to 2)
- Display contrast selector

**09 INTEGRATED CONTROL HEAD**
- Extra-large full color display with intelligent lighting
- 2 lines of text / 14 characters max / 1 line of icons / 1 line of menus
- Integrated full size DTMF keypad
- Large programmable one-touch buttons
- Dedicated siren controls
- Integrated Response Selector
- Night/day mode button

---

**RECEIVER - TYPICAL PERFORMANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>700 MHz</th>
<th>800 MHz</th>
<th>VHF</th>
<th>UHF Range 1</th>
<th>UHF Range 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Range/Bandslit</strong></td>
<td>764-765 MHz</td>
<td>861-876 MHz</td>
<td>136-144 MHz</td>
<td>380-470 MHz</td>
<td>450-520 MHz</td>
</tr>
<tr>
<td><strong>Channel Spacing</strong></td>
<td>25/25/12.5 kHz</td>
<td>25/25/12.5 kHz</td>
<td>25/25/12.5 kHz</td>
<td>25/25/12.5 kHz</td>
<td>25/25/12.5 kHz</td>
</tr>
<tr>
<td><strong>Maximum Frequency Separation</strong></td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
<td>Full Bandsplit</td>
</tr>
<tr>
<td><strong>Audio Distortion Power at 3% Distortion</strong></td>
<td>7.5 W / 15 W</td>
<td>7.5 W / 15 W</td>
<td>7.5 W / 15 W</td>
<td>7.5 W / 15 W</td>
<td>7.5 W / 15 W</td>
</tr>
<tr>
<td><strong>Frequency Stability</strong></td>
<td>+/-0.8 ppm</td>
<td>+/-0.8 ppm</td>
<td>+/-0.8 ppm</td>
<td>+/-0.8 ppm</td>
<td>+/-0.8 ppm</td>
</tr>
<tr>
<td><strong>Analog Sensitivity</strong></td>
<td>-12 dBm</td>
<td>-12 dBm</td>
<td>-12 dBm</td>
<td>Pre-Amp -123 dBm</td>
<td>Pre-Amp -123 dBm</td>
</tr>
<tr>
<td><strong>Digital Sensitivity</strong></td>
<td>-12.5 dBm</td>
<td>-12.5 dBm</td>
<td>-12.5 dBm</td>
<td>Standard -119 dBm</td>
<td>Standard -119 dBm</td>
</tr>
<tr>
<td><strong>Intermodulation</strong></td>
<td>82 dB</td>
<td>82 dB</td>
<td>82 dB</td>
<td>88 dB</td>
<td>88 dB</td>
</tr>
<tr>
<td><strong>Spurious Rejection</strong></td>
<td>91 dB</td>
<td>91 dB</td>
<td>91 dB</td>
<td>93 dB</td>
<td>93 dB</td>
</tr>
<tr>
<td><strong>Audio Distortion @ 3%</strong></td>
<td>1.2%</td>
<td>1.2%</td>
<td>1.2%</td>
<td>1.2%</td>
<td>1.2%</td>
</tr>
<tr>
<td><strong>FM Hum &amp; Noise</strong></td>
<td>59 dB</td>
<td>59 dB</td>
<td>59 dB</td>
<td>59 dB</td>
<td>59 dB</td>
</tr>
<tr>
<td><strong>Selectivity</strong></td>
<td>85 dB</td>
<td>85 dB</td>
<td>85 dB</td>
<td>85 dB</td>
<td>85 dB</td>
</tr>
</tbody>
</table>

---

**SIGNALING (ASTRO MODE)**

- Signaling Rate: 9.6 kbps
- Digital ID Capacity: 12,060/7,040 Conventional / 48,860 Trunking
- Digital Network Access Codes: 4,996 network site addresses
- ASTRO® Digital User Group Addresses: 4,996 network site addresses
- Project 25® Digital User Group Addresses: 88,000 Conventional / 4,964 Trunking
- Error Correction Techniques: Golay, BCH, Reed-Solomon codes
- Data Access Control: Start/End: CSMA, Utilizes infrastructure-sourced data status bits embedded in both voice and data transmissions.

**GPS SPECIFICATIONS**

- Channels: 12
- Tracking Sensitivity: -155 dBm
- Accuracy**: <10 meters (95%)
- Cold Start: <60 seconds (95%)
- Hot Start: <10 seconds (95%)
- Mode of Operation: Autonomous (Non-Assisted) GPS

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**DATA SHEET | APX™ 6500**
POWBER AND BATTERY DRAIN

- **Model Type**: 133-174 MHz, 260-370 MHz, 450-520 MHz, 764-870 MHz
- **Minimum RF Power Output**: 10-35 Watts (754-870 MHz), 10-50 Watts at 25-10 Watts (116-174 MHz), 10-40 Watts at 25-110 Watts (833-733 MHz), 10-45 Watts (450-485 MHz), 10-40 Watts (485-512 MHz), 10-25 Watts (652-750 MHz)
- **Operation Temperature**: 13.5V DC ±20% Negative Ground
- **Standard Duty at 13.5V**: 0.15A (764-870 MHz), 0.15A (870-174 MHz), 0.38A (764-870 MHz), 0.15A (870-174 MHz)
- **Receive Current at Rated Voltage**: 3.2A (764-870 MHz), 3.2A (870-174 MHz), 3.2A (764-870 MHz), 3.2A (870-174 MHz)
- **Transmit Current at Rated Power**: 133-174 MHz (10-35 Watts), 133-174 MHz (10-50 Watts), 133-174 MHz (25-110 Watts), 133-174 MHz (25-110 Watts)

MOBILE MILITARY STANDARDS 810C, D, E, F & G

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure</td>
<td>500.1</td>
<td>I</td>
<td>II</td>
<td>III</td>
<td>IV</td>
</tr>
<tr>
<td>High Temperature</td>
<td>601.1</td>
<td>I, II</td>
<td>I, II</td>
<td>I, II</td>
<td>III</td>
</tr>
<tr>
<td>Low Temperature</td>
<td>502.1</td>
<td>I</td>
<td>III</td>
<td>IV</td>
<td>V</td>
</tr>
<tr>
<td>Temperature Shock</td>
<td>510.1</td>
<td>I</td>
<td>II</td>
<td>III</td>
<td>IV</td>
</tr>
<tr>
<td>Solar Radiation</td>
<td>505.1</td>
<td>I</td>
<td>III</td>
<td>IV</td>
<td>V</td>
</tr>
<tr>
<td>Rain</td>
<td>501.1</td>
<td>I, II</td>
<td>I, II</td>
<td>I, II</td>
<td>III</td>
</tr>
<tr>
<td>Humidity</td>
<td>507.1</td>
<td>I</td>
<td>II</td>
<td>III</td>
<td>IV</td>
</tr>
<tr>
<td>Salt Fog</td>
<td>509.1</td>
<td>I</td>
<td>II</td>
<td>III</td>
<td>IV</td>
</tr>
<tr>
<td>Blowing Dust</td>
<td>510.1</td>
<td>I</td>
<td>II</td>
<td>III</td>
<td>IV</td>
</tr>
</tbody>
</table>

ENCRYPTION

- **Supported Encryption Algorithms**: A5, A51, DES-X, 3DES-XL, DES-DR, A5-DR
- **Encryption Key Capacity**: 8
- **Encryption Keys per Radio**: 44 keys
- **Encryption Frame Re-sync Interval**: 200 ms
- **Encryption Key-Load**: Key-Loader
- **Synchronization**: XIL - Counter Addressing, CP8 - Output Feedback
- **Vector Generator**: National Institute of Standards and Technology (NIST) approved random number generator

ENVIRONMENTAL SPECIFICATIONS

- **Operating Temperature**: -30°C / 60°C
- **Storage Temperature**: -40°C / 85°C
- **Humidity**: Perf / MIL-STD
- **Water and Dust Intrusion**: IEC 68-1-2

FCC TYPE ACCETPANCE ID

<table>
<thead>
<tr>
<th>Band</th>
<th>Output Power</th>
<th>Transmitter Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>133-174 MHz</td>
<td>10-45 Watts</td>
<td>A2428T88569</td>
</tr>
<tr>
<td>25-150 Watts</td>
<td>25-110 Watts</td>
<td>A2428T9821</td>
</tr>
<tr>
<td>10-40 Watts</td>
<td>10-40 Watts</td>
<td>A2428T9824</td>
</tr>
<tr>
<td>25-110 Watts</td>
<td>380-410 MHz</td>
<td>A2428T74B8</td>
</tr>
<tr>
<td>25-110 Watts</td>
<td>380-470 MHz</td>
<td>A2428T74B8</td>
</tr>
<tr>
<td>10-45 Watts</td>
<td>450-520 MHz</td>
<td>A2428T74B8</td>
</tr>
</tbody>
</table>

* Measured in the analog mode per FCC/TRA 803 under nominal condition
** Accuracy specs are for long term tracking
(250 nm) per week, with 4 satellite visible at a minimum of 180 dBi signal strength
+ Spec includes performance for the non-EN325/GENS bands
+ Output power to 3.0 dBm external amplifier respectively

Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements.
MCD 5000 DESKSET SYSTEM
POWERFUL AND FLEXIBLE VoIP COMMUNICATIONS

Expand your communications with VoIP technology. Scalable from small operations to complex control centers and geographically dispersed operations, you can depend on the new modular MCD 5000 Deskset System with VoIP technology for your conventional and trunked communications. Whether used in dispatch environments, back-up sites, special events or call monitoring, you can easily expand communication capabilities throughout your organization using your IP network. This easy-to-deploy solution enables communications across your network when and where you need it most, increasing safety, awareness and coordination.

MCD 5000 DESKSET
A flexible desktop console, the MCD 5000 Deskset provides digital control for a variety of Motorola two-way radios, and can connect directly to a radio or over an IP network using the MCD 5000 Radio Gateway Unit (RGU).

The MCD 5000 Deskset digital control link emulates the buttons and display of the connected radio and performs all the functions of the radio control head.

And with a large and easy-to-read color LCD screen, intuitive layout and an adjustable viewing angle, the MCD 5000 Deskset is ergonomically designed for both occasional and constant everyday use.
**MCD 5000 RADIO GATEWAY UNIT**

Connect the MCD 5000 Deskset to radios over your IP network using the MCD 5000 RGU. The MCD 5000 Deskset allows users to dynamically switch between MCD 5000 RGUs, giving access to additional radios across the network and expanding communications. Each MCD 5000 RGU can connect up to four radios and each MCD 5000 Deskset can connect and monitor up to four radios (channels) at a time.

**DESKSET AUDIO ACCESSORIES**

With flexible communication options, you can use the handset, Push-To-Talk (PTT) switch and built-in condenser microphone, or add the optional headset, footswitch and desk microphone accessories for user convenience.

**IP NETWORK**

Take full advantage of VoIP technology and deploy the MCD 5000 Deskset when and where you need it on your IP network.

**CONFIGURATION AND REPORTING TOOLS**

Our configuration tool offers the convenience of remote use from anywhere on the network or local use with an Ethernet connection. And you can provide timely support and save travel time when you remotely access your system to configure the MCD 5000 Deskset and MCD 5000 RGU. You can also remotely run reports and perform queries for information you need to make real-time decisions. Additional supervisor reporting tools allow monitoring of each MCD 5000 Deskset System device (MCD 5000 Deskset/MCD 5000 RGU) to enhance training and operational efficiencies.
OPERATIONS MANAGEMENT CENTER (OMC) SERVER

An optional main management server for the MCD 5000 Deskset System, the Operations Management Center (OMC) enables system operation, maintenance, provisioning, and control for larger installations, as well as for customers with information assurance (IA) needs.

This central repository stores registration for all system users, MCD 5000 Desksets and radio resources, along with system-wide information including alarms, logs and audits. The OMC server runs on the Red Hat® LINUX® operating system.

Providing user-level interface to the OMC, the Administrator Control Panel Client (ACP) PC allows local and remote administration access for system management activities. The ACP Client PC runs on Microsoft Windows® 7 (64-bit) OR Windows 10 Professional (64-bit) OR Windows IoT Enterprise LTSB 2015/2016 (64-bit) Operating System. The ACP is required for systems with an OMC.

TWO-WAY RADIO DEVICES

The MCD 5000 Deskset lets you control a wide variety of digital radios:

- APX All-Band Consolette-05 CH
- APX All-Band Consolette-E5 CH
- APX™ 7500 Multiband Consolette
- ASTRO® Consolette (W9):
  - ASTRO® Spectra™
  - ASTRO® Spectra Plus™
- Dimetro TETRA Mobile Radios:
  - MTM5400
  - MTM800E
- TRC Radios/Base-Stations/Adaptors
- 4-Wire E&M Radios

EXAMPLE MCD 5000 DESKSET SYSTEM SHOWING 3 OPERATOR POSITIONS CONTROLLING UP TO 8 RADIOS

The MCD 5000 Deskset system allows multiple desksets to dynamically switch to different MCD 5000 RGUs, giving you access to additional radios for expanded communications. Each MCD 5000 Deskset can connect and monitor up to four radios (channels) at one time.
## SPECIFICATIONS

### MCD 5000 DESKSET

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Height: 1.65 in (42 mm) Width: 8.66 in (218 mm) Depth: 10.94 in (274 mm) Weight: 6.73 lb (3.0 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental</td>
<td>Operating temperature: -20°C to 50°C (-4°F to 122°F) Storage temperature: -40°C to 80°C (-40°F to 176°F) Humidity: 9% to 80% without condensation</td>
</tr>
<tr>
<td>Power</td>
<td>Input power: +10.8 V to +48 VDC (+12 V nominal) Dispersion: 5 W Max, 77 VDC to 57 VDC, powered via PoE-PD; meeting 602.3af Standard for Powered Desktops class 0</td>
</tr>
<tr>
<td>Audio</td>
<td>The end-to-end distortion is no more than 3% THD The generated audio is no more than -38 dBm of hum and noise below the radio audio output The cross-talk between any audio signals is no more than -65 dBm at 0 dBm transmit audio power</td>
</tr>
<tr>
<td>Supported Radio Protocols</td>
<td>RS-232 TTL, SBE5003, IP, 4W-EBM, TRC</td>
</tr>
<tr>
<td>Regulatory/EMC</td>
<td>FCC part 15 class A</td>
</tr>
<tr>
<td>Safety</td>
<td>EN55022 Class A</td>
</tr>
<tr>
<td>Green Product</td>
<td>RoHS, WEEE Mark</td>
</tr>
<tr>
<td>Certified Standard</td>
<td>CE Mark, FCC part 15 A Mark, UL Mark (for P.S. only) US Federal government Environmental Permissible Specification (EPS) Program</td>
</tr>
<tr>
<td>Non-certified Standard</td>
<td>CSA, UL, MOTOROLA W16 certification, CMM</td>
</tr>
<tr>
<td>Rotators</td>
<td>G.711 and G.729</td>
</tr>
</tbody>
</table>

### MCD 5000 RADIO GATEWAY UNIT

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Height: 1.65 in (42 mm) Width: 8.66 in (218 mm) Depth: 10.94 in (274 mm) Weight: 6.73 lb (3.0 kg)</th>
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</thead>
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<tr>
<td>Environmental</td>
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</tr>
<tr>
<td>Audio</td>
<td>The end-to-end distortion is no more than 3% THD The generated audio is no more than -38 dBm of hum and noise below the radio audio output The cross-talk between any audio signals is no more than -65 dBm at 0 dBm transmit audio power</td>
</tr>
<tr>
<td>Supported Radio Protocols</td>
<td>RS-232 TTL, SBE5003, IP, 4W-EBM, TRC</td>
</tr>
<tr>
<td>Regulatory/EMC</td>
<td>FCC part 15 class A</td>
</tr>
<tr>
<td>Safety</td>
<td>EN55022 Class A</td>
</tr>
<tr>
<td>Green Product</td>
<td>RoHS, WEEE Mark</td>
</tr>
<tr>
<td>Certified Standard</td>
<td>CE Mark, FCC part 15 A Mark, UL Mark (for P.S. only) US Federal government Environmental Permissible Specification (EPS) Program</td>
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<tr>
<td>Non-certified Standard</td>
<td>CSA, UL, MOTOROLA W16 certification, CMM</td>
</tr>
<tr>
<td>Rotators</td>
<td>G.711 and G.729</td>
</tr>
</tbody>
</table>

### MCD 5000 DESKSET SYSTEM CAPACITIES

<table>
<thead>
<tr>
<th>Maximum Number of Radio Resources</th>
<th>812</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Number of MCD 5000 Radio Gateway Units (RUs)</td>
<td>128</td>
</tr>
<tr>
<td>Maximum Number of Radios per MCD 5000 Radio Gateway Unit (REGU)</td>
<td>4</td>
</tr>
<tr>
<td>Maximum Number of MCD 5000 Desks</td>
<td>100</td>
</tr>
<tr>
<td>Maximum Number of Sessions per MCD 5000 Deskset</td>
<td>20</td>
</tr>
<tr>
<td>Maximum Number of Users per MCD 5000 Deskset</td>
<td>8 (Non-CMC System) 1,000 (CMC System)</td>
</tr>
</tbody>
</table>

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To learn more about how the MCD 5000 Deskset System can help you implement powerful and flexible VoIP communications on your network, contact your Motorola representative or visit [www.motorolasolutions.com/dispatch](http://www.motorolasolutions.com/dispatch)
June 21, 2021 City Council Meeting

Moved by Councilmember _________________________ and seconded by Councilmember _________________________ to approve the purchase of two 2021 Ford Police Interceptor Utility AWD marked police vehicles for $74,852 ($37,426 each) and two 2021 Ford F150 Super Crew 4x4 Police Responder unmarked police vehicles for $74,886 ($37,443 each) for the Department of Public Safety from Signature Ford, 1960 East Main Street, Owosso, MI 48867 at a total cost of $149,738 from the Vehicles Account #101-310-985-000.

Ayes:

Nays:

Justification:

- The purchase of the vehicles were approved in the FY 2021-2022 budget
- This vehicles will replace an existing police vehicles, which will be offered to other city departments/removed from the fleet and auctioned
- The vehicles will be purchased through the Macomb County cooperative purchasing agreement
- Funds have been approved in account #101-310-985-000
INTEROFFICE CORRESPONDENCE

DATE: June 14, 2021
TO: Matthew Baumgarten, City Manager
FROM: Matt Koehn, Director of Public Safety
SUBJECT: REQUEST TO PURCHASE FY 2021/2022 DPS FLEET

The Department of Public Safety's FY 2021-2022 budget includes funds to purchase two marked and two unmarked police vehicles. All four vehicles will replace current vehicles.

The Department requests to purchase two 2021 Ford Police Interceptor Utility AWD marked police vehicles for $74,852 ($37,426 each). These vehicles will replace two existing marked police vehicles that have high mileage, high engine hours, and are due for changeover.

The Department requests to purchase two 2021 Ford F150 Super Crew 4x4 Police Responder unmarked police vehicles for $74,886 ($37,443 each). These vehicles will replace two existing unmarked police vehicles, which are retired Ford Police Interceptor Utility AWD marked police vehicles. These vehicles will be assigned to executive staff members and respond to emergencies in the City, as well as out of the City as part of specialty team assignments. Both of the existing vehicles are out of warranty and have frequent mechanical issues. Purchasing these vehicles, which will be equipped with caps, will allow them to function as mobile command posts and the additional storage space will allow the following equipment to be stored/carried in them, which cannot be stored/carried in the current Ford Police Interceptor Utility vehicles:

- Police equipment/supplies
- Fire equipment/supplies
- Medical equipment/supplies
- Command boards
- Spare radios
- SCBA equipment
- Oak-Tac equipment
- Technical rescue equipment
- IMT equipment
- Fire investigation equipment/supplies

It should be noted that the above pickups are "Police Responder" packages. It was the intent of the Department to purchase "consumer" models. However, the cutoff to order those models has passed. Due to PSO Ron Gabriel's relationship with the dealer, we are able to order the Police Responder models for the price of the consumer models, saving the City several thousands of dollars.

All of the vehicles to be purchased are configured to get the maximum use while in the BDPS fleet and the maximum return when they are auctioned at the end of their service life.

All vehicles will be purchased from Signature Ford in Owosso, MI through the Macomb County cooperative purchasing agreement. The Department has been purchasing vehicles from this dealership through this agreement for several years.

The purchase price of the vehicles is $149,738 and includes a 36,000-mile factory bumper to bumper warranty and a 100,000 mile or five-year powertrain warranty. The Ford Police Interceptor Utility and Ford F150 Super Crew 4x4 Police Responder have proven to be a safe and reliable vehicle that has become the standard for many police departments.

The Department requests to purchase this vehicle utilizing the budgeted funds in the "Vehicles" account #101-310-985-000.
June 9, 2021

Berkley Department of Public Safety
Attn: Officer Ron Gabriel
3338 Coolidge Highway
Berkley, MI 48072

Dear Officer Ron Gabriel:

Price on 2021 Vehicle Macomb County Contract Bid:

(2) 2021 Ford Police Interceptor Utility AWD in Black (Patrol) $37,426.00 ea
Total Delivered Price $74,852.00

Service Contract: 36,000 miles or 36 months factory bumper to bumper warranty and 100,000 miles or 60 months powertrain warranty.

Delivery date: About 120 days from receipt of your PO.

**Order Cutoff Date: TBD.**

Ford Motor Company does not guarantee delivery—Ford Motor Company will make reasonable efforts to schedule orders received prior to fleet order cut-off date.

Payment requirements: All departments to pay on delivery of vehicle. 10-day grace period will be given if previous arrangements have been made. An $8.00 per day floor plan will be charged if payment is not at the dealership within 10 days of delivery of the vehicle(s).
If you have any questions please call me, 888-92-Fleet (888-923-5338).

Respectfully Submitted,

Bill Campbell

Bill Campbell
Government & Fleet Sales
Macomb County Bid Price
(Bid #21-18, MY2020) in the
State of Michigan
2021 Utility Police Interceptor
Major Standard Equipment

MECHANICAL
• Axle Ratio – 3.73 (AWD)
• Brakes – 4-Wheel Heavy-Duty Disc with D. Front and Rear Calipers
• Column Shifter
• PDC-DV converter – 220-Amp (in lieu of alternator)
• Drivetrain – All-Wheel-Drive
• Electric Power-Assist Steering (EPAS) – Heavy-Duty
• Engine – 3.5L V6 Direct-Injection Hybrid Engine System
• Engine – 3.5L V6 Direct-Injection FFV with 10-Speed Automatic Transmission (106-MPH Top Speed)
Note: Deletes Regenerative Braking and Lithium-Ion Battery Pack; adds 250-Amp Alternator, replaces HE450 battery (600 CCA/80-amp) and replaces 10-gallon tank with 21.4-gallon tank
• Engine Hour Idle Meter
• Engine Hour Meter
• Engine Oil Cooler
• Engine Water Temperature
• Fuel Tank – 19-gallons
• HE450 Battery (600 CCA/80-amp)
• Lithium-Ion Battery Pack
• Suspension – independent front & rear
• Transmission – 10-speed automatic

EXTERIOR
• Antenna – Roof-Mounted
• Cladding – Lower bodyside cladding (MIC)
• Door Handles – Black (MIC)
• Hood Hinge Dust Cover (removable)
• Front Door Lock Cylinder (Passenger Side/Passenger/Side Entry)
• Glass – 2nd Row, Rear Quarter and Liftgate Privacy Glass
• Grill – Black (MIC)
• Headlamps – Automatic; LED Low-and-High-Beam
Note: Includes Front Headlamp/Puddle Interceptor Lighting (with LED wing-tip feature)
— Pre-drilled hole for side marker panel use, does not include LED strobe, but includes LED wing-tip functionality (eliminates need to drill housing assemblies and provides LED wing-tip feature)
— Pre-drilled hole for LED DRLs with standard sealed capability (does not include LED DRL function)
— Wing-tip default is traditional pie-pug pattern; can be programmed to triple-burst pattern or ping pong/ping pong blast pattern
Note: Must be wired to vehicle’s light control to enable wing-tip functionality, recommend Ready for the Road Package (57U) or Ultimate Warning Package (67U)
• Liftgate – Manual 1-Piece – Fixed Glass/Door-Lock Cylinder
• Mirrors – Black Cap (MIC), Power Electric Remote, Manual Folding with Integrated Spoiler (Integrated Blind spot mirrors not included when equipped with BLIS®)
• Tires – Full size 17" Tire w/TMPS
• Spoiler – Painted Black
• Tailgate Handle – (MIC)
• Tail lamps – LED
• Tires – 235/60R18 A/S BSW
• Wheel-LIP Molding – Black (MIC)
• Wheels – 18" x 8.0 painted black steel with wheel hub cover
• Windshield – Acoustical Laminated

INTERIOR/COMFORT
• Cargo Hooks
• Climate Control – Dual-Zone Electronic Automatic Temperature Control (OACEC)
• Door Locks – Power
• Door Handle and Locks Openable
• Fixed Pedals (Driver Dead Peda
• Floor – Flooring Heavy-Duty Thermoplastic Elastomer
• Glove Box – Locking/non-Illuminated
• Grab Handles – (1) Front passenger side, (2) Rear

INTERIOR/COMFORT (continued)
• Liftgate Release Switch located in overhead console (45 second automatic feature)
• Lighting
— Overhead Console
— Red/White Taillight in Overhead Console
— 2nd row overhead map light
• Mirror – Day/Night Rear View
• Particulate Air Filter
• Power Mirrors – (1) Front Left
• Rear-door storage panels
• Rear-window Defrost
• Rearview Mirror – Dual-View
• Seatbelts – 1st Row (Driver Side)
• Seats
— 1st Row Police Grade Cloth Tissue, Dual Front Recliners with reduced bolsters
— 1st Row – Driver 6-way Power track (fro/seat, tilts with manual recline, 2-way manual lumbar)
— 1st Row – Passenger 2-way manual track (fro/seat, manual recline)
— Built-in steel intrusion plates in both driver/passenger seats
• Security
— 2nd Row Vinyl, 35/65/35 Split Bench Seat (manual fold-flat, no tumble) – fixed seat track
— Speed Control (Cruise Control)
— Speedometer – Calibrated (includes digital readout)
• Steering Wheel – Manual / Til/Telescoping, Urethane wheel finish w/Silver Painted Bezels with Speed Controls and 4-user configurable latching switches
• Sun visors, color-keyed, non-Illuminated
• Universal Top Tray – Center of DF for mounting aftermarket equipment
• Windows, Power, 1-touch Up/Down Front Driver/Passenger Side, with disable feature

SAFETY/SECURITY
• Adaptive Cruise Control w/Stop & Go (Roll Stability Control™)
• Airbags, dual-stage driver & passenger, side seat, passenger-side knee, Rear Curtain Airbags and Safety Canopy®
• Anti-Lock Brakes (ABS) with Traction Control
• Brakes – Power calibrat high-performance regenerative braking system
• Belt-Minder® (Front Driver / Passenger)
• Child-Safety Locks (capped)
• Individual Tire Pressure Monitoring System (TPMS)
• LATCH (Lower Anchors and Tethers for Children) system on rear outboard seat location
• Reversing Camera with Washer viewable in 4.2" center stack
• Seat Belts, Pretensioners/Energy Management System
• Windshield wiper clearance in 1st Row
• SOS First-Crash Alert System™

FUNCTIONAL
• Audio
— Amplifier / Amp Capable / Clock / 4-speakers – Bluetooth® interface
— 4.2" Color LCD Screen Center-Stack “Smart Display”
Note: Standard radio does not include 68R/AM or Aux. Audio Input Jack, AM, AUX input jack requires SYNC 3®
• Easy Fade® Captains Fuel-Filler
• Ford Telematics™ – includes Ford Medics and complimentary 2-year trial subscription
• Front door tether straps (driver/passenger)
• Power plegal handles
• Recovery Hooks, two in front and trailer bar in rear
• Simple Fleet Key (with microchip, easy to replace, 4 keys)
• Two-way radio pre-wire
• Two 12 volt battery ground circuits – power distribution junction block (behind 2nd row passenger seat floorboard)
• Wipers – Front Speed-Sensitive Interim; Rear Dual Speed Wipers – Front

WARRANTY
• 3 Year / 36,000 Miles Bumper to Bumper
• 5 Year / 100,000 Miles Hybrid Unique Components

POWERTRAIN CARE EXTENDED SERVICE PLAN
• 3-years/100,000-mile Powertrain CARE Extended Service Plan (zero deductible) – Standard
### Police Interceptor Utility Base Prices

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Utility All Wheel Drive</td>
<td>(3.3L V6 Direct- Injection FFV, 136 MPH, 99B/44U)</td>
<td>K8A/500A</td>
</tr>
<tr>
<td>Utility All Wheel Drive</td>
<td>(3.0L V6 EcoBoost, 148 MPH, 96C/44U)</td>
<td>K8A/500A</td>
</tr>
<tr>
<td>Utility All Wheel Drive</td>
<td>(3.3L V6 Direct- Injection Hybrid Eng., 136 MPH, 89W/44B)</td>
<td>K8A/500A</td>
</tr>
</tbody>
</table>

**Vehicle Color:** Order Code

<table>
<thead>
<tr>
<th>Color Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona Beige Clearcoat Metallic</td>
<td>[E3]</td>
</tr>
<tr>
<td>Medium Brown Metallic</td>
<td>[BU]</td>
</tr>
<tr>
<td>Dark Toreador Red Clearcoat Metallic</td>
<td>[JL]</td>
</tr>
<tr>
<td>Dark Blue</td>
<td>[LK]</td>
</tr>
<tr>
<td>Royal Blue</td>
<td>[LM]</td>
</tr>
<tr>
<td>Light Blue Metallic</td>
<td>[LN]</td>
</tr>
<tr>
<td>Vermillion Red</td>
<td>[E4]</td>
</tr>
<tr>
<td>Smokestone Clearcoat Metallic</td>
<td>[HG]</td>
</tr>
<tr>
<td>Silver Grey Metallic</td>
<td>[TN]</td>
</tr>
<tr>
<td>Iconic Silver Clearcoat Metallic</td>
<td>[JS]</td>
</tr>
<tr>
<td>Agate Black</td>
<td>[UM]</td>
</tr>
<tr>
<td>Oxford White Clearcoat</td>
<td>[YZ]</td>
</tr>
<tr>
<td>Blue Metallic</td>
<td>[FT]</td>
</tr>
<tr>
<td>Sterling Grey Metallic</td>
<td>[UJ]</td>
</tr>
<tr>
<td>Medium Titanium Clearcoat Metallic</td>
<td>[YG]</td>
</tr>
<tr>
<td>Carbonized Grey</td>
<td>[M7]</td>
</tr>
</tbody>
</table>

**Interior Trim Color:** Charcoal Black (96)

**Interceptor Optional Features:**

- **Flooring/Seats**
  - 1st and 2nd row carpet floor covering: Code 16C, $125.00
  - 2nd Row Cloth Seats: Code F6/88F, $50.00
  - Power passenger seat (8-way) w/manual recline and lumbar: Code 87P, $325.00
  - Rear Console Plate (Not available with Interior Upgrade Pkg - 65U): Code 65R, $45.00
  - Interior Upgrade Package: Code 65J, $380.00

- **Lamps/Lighting**
  - Dark Car Feature – Courtesy lamp disable when any door is opened: Code 43D, $20.00
  - Daytime Running Lamps: Code 942, $45.00
  - Tail Marker Lights in Skull Caps: Code 63B/60A, $340.00
  - Rear Quarter Glass Side Marker Lights: Code 63L, $575.00
  - Front Warning Auxiliary Light (Driver side – Red / Passenger side – Blue): Code 21L/60A, $600.00
  - Rear Auxiliary Liftgate Lights (Red/Blue LED Lights; located beneath liftgate): Code 43A, $385.00
  - Glass in applique panel
  - Front Interior Windshield Warning Lights (Red/Blue with take down): Code 98S, $1145.00
  - Rear Spoiler Traffic Warning Light: Code 98T, $1495.00
  - Dome Lamp – Red/White in Cargo Area: Code 17T, $50.00
  - Pre-wiring for grille lamp, siren, and speaker: Code 60A, $50.00
  - Spot Lamp – Driver Only (LED Bulbs) (Unity): Code 51R, $395.00
  - Spot Lamp – Driver Only (LED Bulbs) (Whelen): Code 51T, $420.00
  - Spot Lamp – Dual (driver and passenger) (LED Bulbs) (Unity): Code 51S, $620.00
  - Spot Lamp – Dual (driver and passenger) (LED Bulbs) (Whelen): Code 51V, $665.00
Body
[ ] Glass – Solar Tint 2nd and 3rd Row (Deletes Privacy Glass) 92G 120.00
[ ] Glass – Solar Tint 2nd Row (Privacy Glass on Rear Quarter and Liftgate Window) 82R 55.00
[ ] Deflector Plate 78D 335.00
Wheels
[ ] Wheel Covers (18" Full Face Wheel Cover) 65L 60.00
[ ] 18" Painted Aluminum Wheel 64E 475.00
Misc
[ ] Engine Block Heater 41H 90.00
[ ] License Plate Bracket – Front 153 N/C
[ ] Badge Delete (Police Interceptor Badge Only) 19D N/C
[ ] 100 Watt Siren/Speaker (includes bracket and pigtail) 18X 300.00
[ ] Aux Air Conditioning 17A 610.00
[X] Noise Suppression Bonds (Ground Straps) 69R 100.00
[ ] Low-Band Frequency Noise Suppression Kit (Recommended when using two-way radio communication devices that operate in the 39 – 46 MHz range (Channels 1-9). Provides noise suppression for in-car two-way radio communication devices in the 39-46 MHz frequency range. 68E 195.00
[ ] OBD-II Split Connector – Allows up to 2 devices to be connected to the vehicle's OBD-II port 61B 55.00
[ ] My Speed Fleet Management 43S 60.00
Audio/Video
[ ] Rear View Camera (Includes Electrochromic Rear View Mirror – Video is displayed in rear view mirror) 67R N/C
Note: This option would replace the camera that comes standard in the 4" center stack area.
[ ] Rear View Camera On-Demand – Allows driver to enable rear camera on-demand 19V 230.00
Doors/Windows
[ ] Global Lock / Unlock feature (Door-panel switches will lock/unlock all doors and rear liftgate. Eliminates the overhead console liftgate unlock switch) *NEW OLD STYLE REAR HATCH LOCK / UNLOCK******** 18D N/C
[ ] Hidden Door Lock Plunger, Rear Door Handle and Rear Windows Inoperable 62P 180.00
[X] Rear Door Handles Inoperable/Locks Inoperable and Rear Windows Inop. 68G 76.00
[X] Lock system; Single Key/All Vehicles Keyed Alike 59E 60.00
Keyed Alike 1284x= 59B
Keyed Alike 1294x= 59C
Keyed Alike 0135x= 59D
Keyed Alike 1435x= 59E
Keyed Alike 0067x= 59F
Keyed Alike 0151x= 59G
Keyed Alike 1111x= 59J
Safety & Security
[ ] Ballistic Door Panels – Driver Front Door Only (Level 3) 90D 1585.00
[ ] Ballistic Door Panels – Driver & Pass Front Doors (Level 3) 90E 3170.00
[ ] Ballistic Door Panels – Driver Front Door Only (Level 4+) 90F 2415.00
[ ] Ballistic Door Panels – Driver & Pass Front Doors (Level 4+) 90G 4830.00
[ ] BLIS39 – Blind Spot Monitoring with Cross Traffic Alert 565/54Z 846.00
[X] Police Perimeter Alert – detects motion in an approximately 270-degree radius on sides and back of vehicle: if movement is determined to be a threat, chime will sound at level I. Doors will lock and windows will automatically go up at level II. Includes visual display in instrument cluster with tracking. 61B 675.00
[ ] Pre-Collision Assist with Pedestrian Detection (Includes Forward Collision Warning and Automatic Emergency Braking and unique disable switch for Law Enforcement use) Note: Not available with option 96W 76P 146.00
[X] Mirrors – Heated, Non BLIS 549 60.00
[ ] Perimeter Anti-Theft Alarm – Activated by Hood, Door, or Decklid 593/55F 460.00
[ ] Remote Keyless Entry w/ 4 Key Fobs (w/o keypad) 55F 340.00
[ ] Police Engine Idle Feature 47A 260.00
Extra Key $6.00 ea = Parts 5.00 ea
[ ] Remote Starter (Must Order Keyless Entry 55F) Parts 550.00
[ ] Reverse Sensing 76R 275.00
[ ] Class III Trailer Tow Lighting Package (4-pin and 7-pin connectors and wiring) 52T 80.00
[ ] H8 AGM Battery (900 CCA/92-amp) 19K 110.00
[ ] Gun Vault (Not Available with (17A) Aux Air Conditioning) 63V 245.00
[ ] 12.1" Integrated Computer Screen  
- Includes 12.1" touchscreen display in center stack and allows for operation of laptop in remote location to free up cabin space in front passenger area  
- Includes Audio Video extender (AVX) box, (2) AVX cables, (2) USB cables and (1) HDMI cable  
- Includes SYNC 3®

[ ] Front Headlamp Lighting Solution  
- Includes LED Low beam/high beam headlamps, W/O fog function and Red/Blue/White LED side warning lights (driver's side White/Red / passenger side White/Blue)  
- Includes pre-wire for grille LED lights, siren and speaker (60A)  
- Wiring, LED lights included. Controller "not" included  
Note: Not available with option: 67H  
Note: Recommend using Ultimate Wiring Package (67U)

[ ] Police Wire Harness Connector Kit – Front/Rear  
For connectivity to Ford PI Package solutions includes:  
- Front  
  - (2) Male 4-pin connectors for siren  
  - (5) Female 4-pin connectors for lighting/siren/speaker  
  - (1) 4-pin IP connector for speakers  
  - (1) 4-pin IP connector for siren controller connectivity  
  - (1) 8-pin sealed connector  
  - (1) 14-pin IP connector  
- Rear  
  - (2) Male 4-pin connectors for siren  
  - (5) Female 4-pin connectors for lighting/siren/speaker  
  - (1) 4-pin IP connector for speakers  
  - (1) 4-pin IP connector for siren controller connectivity  
  - (1) 8-pin sealed connector  
  - (1) 14-pin IP connector  
Note: Not available with options: 68T and 67H  
Note: See Upfitters guide for further detail [www.fordpoliceinterceptorupfit.com](http://www.fordpoliceinterceptorupfit.com)

[ ] Tail Lamp/Police Interceptor Housing Only  
- Pre-existing holes with standard twist lock sealed capability (does not include LED Strobe lights) (eliminates need to drill housing assemblies)  
Note: Not available with options: 66B and 67H

[ ] Tail Lamp Lighting Solution  
- Includes LED lights plus two (2) rear integrated hemispheric lighthouse LED side Warning lights in tail lamp  
- LED lights only, wiring, controller "not" included  
Note: Not available with option: 67H  
Note: Recommend using Ultimate Wiring Package (67U)

[ ] Rear Lighting Solution  
- Includes two (2) backlit flashing linear high-intensity LED lights (driver's side red / passenger side blue) mounted to inside liftgate glass  
- Includes two (2) backlit flashing linear high-intensity LED lights (driver's side red / passenger side blue) installed on inside lip of liftgate (lights activate when liftgate is open)  
- LED lights only, wiring, controller "not" included  
Note: Not available with option: 67H  
Note: LED lights only – does "not" include wiring or controller  
Note: Recommend using Ultimate Wiring Package (67U)

[ ] Ultimate Wiring Package  
- Rear console mounting plate (65R) – contours through 2nd row; channel for wiring  
- Pre-wiring for grille LED lights, siren and speaker (60A)  
- Wiring harness IP to rear cargo area (overlay)  
- Two (2) light cables – supports up to six (6) LED lights (engine compartment/grille)  
- One (1) 10-amp siren/speaker circuit engine cargo area  
- Rear hatch/cargo area wiring – supports up to six (6) rear LED lights  
- Does "not" include LED lights, side connectors or controller  
- Recommend Police Wire Harness Connector Kit 67V  
Note: Not available with options: 65U, 67H

47E  2745.00  
65A  895.00  
67V  185.00  
68T  60.00  
65B  430.00  
65C  455.00  
67U  560.00
[ ] Ready for the Road Package All-in Complete Package 67H 3595.00

All-In Complete Package - Includes Police Interceptor Packages: 85A, 86B, 86C, plus

- Whelen Cencom Light Controller Head with dimmable backlight
- Whelen Cencom Relay Center / Siren / Amp w/Traffic Advisor control (mounted behind 2nd row seat)
- Light Controller / Relay Cencom Wiring (wiring harness) w/additional input/output pigtails
- High current pigtail
- Whelen Specific WECAN Cable (console to cargo area) connects Cencom to Control Head
- Pre-wiring for grille LED lights, siren and speaker (60A)
- Rear console plate (85R) -- contours through 2nd row, channel for wiring
- Grille linear LED Lights (Red / Blue) and harness
- 100-Watt Siren / Speaker
- Hidden Door-Lock Plunger w/Rear-door controls inoperable (locks, handles and windows) (62P)

Note: Not available with options: 88A, 86B, 86C, 87U and 85U

Extended Warranty Option's ($0.00 Deductible) 100,000 Mile Coverage
[ ] 5-Year Premium Care Warranty (500 Plus Components Coverage) 2745.00

Total Price $37,426.00 ea
Berkley Department of Public Safety
Attn: Officer Ron Gabriel
3338 Coolidge Highway
Berkley, MI 48072

Dear Officer Ron Gabriel:

Price on 2021 Vehicle on Macomb County Contract Bid# 21-18:

(1) 2021 Ford F150 Super Crew 4x4 Police Responder in Carb. Gray $37,443.00 ea
(1) 2021 Ford F150 Super Crew 4x4 Police Responder in Silver $37,443.00 ea
Total Delivered Price $74,886.00

Standard Service Contract: 36,000 miles or 36 months factory Bumper to Bumper Warranty and 60,000 miles 60 months Powertrain Warranty. Service to be handled by your local Ford Dealer.

Order Cutoff Date: June 25th, 2021.

Ford Motor Company does not guarantee delivery—Ford Motor Company will make reasonable efforts to schedule orders received prior to fleet order cut-off date.

Payment requirements: All departments to pay on delivery of vehicle. 10-day grace period will be given if previous arrangements have been made. A $9.50 per day floor plan will be charged if payment is not at the dealership within 10 days of delivery of the vehicle(s).

If you have any questions please call me, 888-92-FLEET (923-5338)

Respectfully Submitted,

Bill Campbell

Bill Campbell
Government & Fleet Sales
2021 F-150 Police Responder SuperCrew
Major Standard Equipment

MECHANICAL
- Two-Speed Automatic Torque on Demand 4WD with Neutral Towing Capability (Includes 4A mode for Set and Forget)
- Alternator - 240 amp
- Axle, Front - Independent Front Suspension (IFS)
- Brakes - 4-Wheel Disc with ABS
- Class IV Trailer Hitch (9,600 lbs. gross trailer rating, 4-plug/7-pin wiring, Class IV trailer hitch receiver)
- Electric Parking Brake
- Electronic 10-Speed Automatic Transmission with Selectable Drive Mode (Normal/Tow/Haul/Snow-Wet/TowSelect/Sport)
- Engine Hour Meter
- Engine Idle Hour Meter
- Fuel-Safe Cooling
- Jack
- SelectShift® Automatic Transmission with Progressive Range Select
- Shock Absorbers, Gas - Heavy-Duty, Front, Rear
- Shock Absorbers, Gas - Heavy-Duty, Outboard Mounted, Rear
- Springs, Front - Coil
- Springs, Rear - Leaf, Two-Stage Variable Rate
- Upgraded Suspension Bar, Rear
- Steering - Power, Rack-and-Pinion

EXTERIOR
- Headlights - High-beam
- Police Responder
- Rocker Blends
- Bumper and Fascia, Front - Black
- Bumper, Rear - Black
- Cargo Lamp - integrated with Center High-mounted Stop Lamp
- Daytime Running Lamps (DRL) (On/Off Cluster Controllable)
- Easy Fold® Copilot Seat-Filler
- Exhaust - Single Rear
- l5-150 Fender Flare
- Fuel Tank - Standard Range 26 Gallon
- Fully-Boxed Steel Frame
- grille - Black Two Bar Style with Black Mioils and Black Surround
- Handles, Black - Door and Tailgate with Black Bead
- Hoods - Pickup Box Two-Down, four (4)
- Hooks - Front Tow, Rear (2)
- Mirrors, Sideview - Manual-folding, Power Glass with Black Skull Caps
- Power Tailgate Lock
- Space Saver Tire Carrier - Rear Under Frame
- Spoiler, Rear Window - Black
- Step Rails, Front & Rear
- Tailgate - removable
- Tires - LT265/70R18 BSW (A/T)
- Trailer Tow Control
- Trailer Towing - 4-plug/7-pin wiring, Class IV trailer hitch receiver
- Wheels - 18" 6-Spoke Silver Aluminum
- Wipers - intermittent speed

INTERIOR/COMFORT
- 1st Row Power Windows
- 2nd Row Power Windows
- 4" Productivity Display in Instrument Cluster
- 9" Center Touchscreen with DVD/Navigation/Phone Controls
- Air Conditioning/Dual-Zone Climate Control - Black Vents with Chrome Knob
- Black Vinyl Floor Covering
- Cruise Control
- Red/White Task Lighting in Overhead Console
- Side Airbags - Off/Park/On/Auto
- Side Impact Protection
- Grab Handles
- Headlights - Front - A-Pillar, Driver and Passenger Side
- Headlights - Rear - A-Pillar
- Headlights - Dual-Note
- Illuminated Entry
- Manual Air Conditioning, Single Zone
- Outside Temperature Display
- Power Door Locks
- Powermirrors (2) - Rear
- Power windows - lntegrated Glass and Driver Side
- Rearview Mirror - Day/Night
- Scuff Plates, Driver and Front-Quarter Doors
- Seat, Front - Police-grade heavy-duty cloth 40/40 with reduced lumbar, 6-Way power driver/manual passenger
- Tinted Steel Intake plates in both front seatbacks
- Seat, Rear - Vinyl, 60/40 flip-up split seat with elongated cushion
- Speedometer - (On/Off Cluster)
- Steering Wheel, Black Ornament - Manual 60° Telescoping and Manual Locking
- Universal Top Tray - Center of UP® for mounting aftermarket equipment
- Visor, Driver Side - Visor with Mirror, Passenger Side

SAFETY/SECURITY
- AdvanceTrac® RSC® (Roll Stability Control™)
- Airbags - Driver and Passenger Front Airbags
- FordPass™ Power Meter System (TPMS)
- SOS Post-Crash Attendant System™
- Triple Stage Front Airbags
- Tire Pressure Monitoring System (TPMS)
- Werner’s Police Vehicles

Note: F-150 Police Responder was designed and developed to meet the same federal fuel system crash standards as retail vehicles and other manufacturers’ police vehicles. Ford Police interceptors are the only vehicles on the market designed for the 75 mph near-rear crash test.

DRIVER ASSIST TECHNOLOGY
- Adaptive Cruise Control
- Auto High-beam Headlamps
- Rear View Cameras (Dynamic Hitch Assist)
- Reverse Sensing System
- Hill Start Assist

SYNC 3
- 8" LCD Capacitive Touchscreen with Swipe Capability
- Wireless Phone Connection
- Voice-Activated Navigation
- MyFord Touch® 8" Touchscreen Interface
- AppLink® with App Catalog
- S11 Assist
- Apple CarPlay® and Android Auto™ Compatibility
- Digital Owner’s Manual
- Over-the-Air Update Capability

FUNCTIONAL
- AM/FM Stereo - 6 speakers
- Bluetooth Telephony/Lightning®
- Ford Telematics™
- Allows data to be provided to support Ford Telematics™ and Data Services via optional subscription, including data not limited to vehicle location, speed, idle time, fuel, vehicle diagnostics and maintenance alerts. Device enables optional telematics services through Ford be authorized providers via paid subscription. Subscribers: access at www.commercial.foley.com or call 1-888-276-4131 (FORD) 24/7.
- Rear power plug located beneath rear seat to accommodate Police upfitting. One (1) 15 amp battery ground circuit

FX4 OFF-ROAD PACKAGE
- 3.31 Electronically-Locking Rear-Erice
- Hill Descent Control
- Off-Road tuned four-wheel shocks
- Skid plates, front/rear, transfer case and front differential

WARRANTY
- 3 Year / 36,000 Mile Bumper to Bumper
- 5 Year / Unlimited Mile Powertrain Warranty (zero deductible) Standard

POWERTRAIN CARE EXTENDED SERVICE PLAN
- 5-Year/Unlimited Mile Powertrain Extended Service Plan (zero deductible) Standard
### Available Options

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Trailer Towing Package</strong></td>
<td>53A</td>
<td>995.00</td>
</tr>
<tr>
<td>4-pin/7-pin wiring harness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auxiliary transmission oil cooler</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine Oil Cooler</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class IV trailer hitch receiver</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pro Trailer Backup Assist (47F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tailgate LED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smart Trailer Tow Connector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pro Trailer Backup</td>
<td></td>
<td></td>
</tr>
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</table>

### Trailer Towing Package with Integrated Brake Controller

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tow Technology Package</strong></td>
<td>53A/67T</td>
<td>1270.00</td>
</tr>
<tr>
<td>Includes Trailer Towing Package (53A)</td>
<td></td>
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<tr>
<td>Tow Technology Package</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Includes Integrated Brake Control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smart Trailer Tow Connector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trailer Reverse Guidance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Includes 360-degree Camera</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mirrors Sideview Manual-folding</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Glass with Heat, Turn Signal Auto-Dimming Feature (Driver's Side), High-Intensity LED Security Approach Lamps, LED Side-mirror Spotlights and Black Skull Caps (54Y/59S)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Trailer Brake Controller (57T)</strong></td>
<td></td>
<td></td>
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</table>

### Interior Upgrade Package

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
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<tbody>
<tr>
<td><strong>SYNC® 4 with Enhanced Voice Recognition</strong></td>
<td>524/582</td>
<td>325.00</td>
</tr>
<tr>
<td>8&quot; LCD Capacitive Touchscreen with Swipe Capability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ford Digital Assistant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connected Navigation (w/Free 90-Day Trial)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sirius XM Radio</td>
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</table>

### Power Passenger Seat: 8-Way

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Passenger Seat: 8-Way</td>
<td>61P</td>
<td>295.00</td>
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</table>

### Badge Delete (Removes Rear Police Responder Badge)

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Badge Delete (Removes Rear Police Responder Badge)</td>
<td>41A</td>
<td>N/C</td>
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</tbody>
</table>

### Black Diamond Running Boards

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Diamond Running Boards</td>
<td>18B</td>
<td>250.00</td>
</tr>
</tbody>
</table>

### BLIS – Blind Spot Monitoring System with Cross-traffic Alert

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLIS – Blind Spot Monitoring System with Cross-traffic Alert</td>
<td>91B</td>
<td>590.00</td>
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</table>

### Rear Window, Privacy Glass with Defroster

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Window, Privacy Glass with Defroster</td>
<td>57Q/924</td>
<td>320.00</td>
</tr>
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</table>

### Power-Sliding Rear-Window (Includes Privacy Glass and Rear Defroster)

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power-Sliding Rear-Window (Includes Privacy Glass and Rear Defroster)</td>
<td>435/924/57Q</td>
<td>670.00</td>
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</tbody>
</table>

### Fog Lamps

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Fog Lamps</td>
<td>595</td>
<td>140.00</td>
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</tbody>
</table>

### Front / Rear Chrome Bumper with Fog Lamps

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front / Rear Chrome Bumper with Fog Lamps</td>
<td>17C/595</td>
<td>315.00</td>
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</table>

### Pre-Collision Assist with Pedestrian Detection

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Collision Assist with Pedestrian Detection</td>
<td>43P</td>
<td>145.00</td>
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</table>

### Daytime Running Lights (Not Recommended for Police Use)

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daytime Running Lights (Not Recommended for Police Use)</td>
<td>942</td>
<td>45.00</td>
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</table>

### Engine Block Heater

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Engine Block Heater</td>
<td>41H</td>
<td>90.00</td>
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</table>

### Trailer Tow Mirrors Sideview Manual-folding, Manual Telescoping

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trailer Tow Mirrors Sideview Manual-folding, Manual Telescoping</td>
<td>54Y/59S/57Q/924</td>
<td>890.00</td>
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</tbody>
</table>

### Rear Defroster with Privacy Glass (57Q/924)

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Defroster with Privacy Glass (57Q/924)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Lock system; Single Key/All Vehicles Keyed Alike

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lock system; Single Key/All Vehicles Keyed Alike</td>
<td>62</td>
<td>50.00</td>
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</tbody>
</table>

### Remote Keyless Entry w/4 Key Fobs (Must order for Remote Entry)

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Keyless Entry w/4 Key Fobs (Must order for Remote Entry)</td>
<td>67P</td>
<td>340.00</td>
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</table>

### Remote Starter (Requires Remote Keyless Entry Option 67P)

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Starter (Requires Remote Keyless Entry Option 67P)</td>
<td>7G</td>
<td>575.00</td>
</tr>
</tbody>
</table>

### Police Engine Idle Feature

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
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<tbody>
<tr>
<td>Police Engine Idle Feature</td>
<td>47P</td>
<td>260.00</td>
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### Tailgate Step

<table>
<thead>
<tr>
<th></th>
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<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Tailgate Step</td>
<td>63T</td>
<td>375.00</td>
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### Front License Plate Holder

<table>
<thead>
<tr>
<th></th>
<th>Option Code</th>
<th>Price</th>
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<tbody>
<tr>
<td>Front License Plate Holder</td>
<td>153</td>
<td>N/C</td>
</tr>
<tr>
<td>[x] Spray in Bedliner</td>
<td>96W</td>
<td>595.00</td>
</tr>
<tr>
<td>-----------------------------------------------------</td>
<td>-----</td>
<td>--------</td>
</tr>
<tr>
<td>[ ] Bed Liner – Plastic, Drop-in</td>
<td>96P</td>
<td>350.00</td>
</tr>
<tr>
<td>[ ] Rear Wheel Arch Liner</td>
<td>96L</td>
<td>180.00</td>
</tr>
<tr>
<td>[ ] Red / Blue LED Warning Beacons – includes two (2) LED warning lights visible on either side of stop light bar and two (2) LED lights visible between lower windshield and hood (Driver side – Red / Passenger side – Blue)</td>
<td>94R</td>
<td>650.00</td>
</tr>
<tr>
<td>[x] BoxLink (includes Four (4) premium locking clamps)</td>
<td>55B</td>
<td>80.00</td>
</tr>
<tr>
<td>[ ] Tonneau Pickup Box Cover – Soft Folding</td>
<td>96T</td>
<td>525.00</td>
</tr>
<tr>
<td>[ ] Tonneau Pickup Box Cover – Hard Folding</td>
<td>96X</td>
<td>995.00</td>
</tr>
<tr>
<td>[ ] Tonneau Pickup Box Cover – Retractable</td>
<td>96J</td>
<td>1695.00</td>
</tr>
<tr>
<td>[ ] Dual Spot Lamps</td>
<td>MME2</td>
<td>1050.00</td>
</tr>
<tr>
<td>[ ] Dual Spot Lamps LED</td>
<td>MME2</td>
<td>1400.00</td>
</tr>
<tr>
<td>[ ] Single Spot Lamp</td>
<td>MME1</td>
<td>525.00</td>
</tr>
<tr>
<td>[ ] Single Spot Lamp LED</td>
<td>MME1</td>
<td>700.00</td>
</tr>
</tbody>
</table>

**TOTAL $37,443.00 ea**

Colors & Trim Availability:

<table>
<thead>
<tr>
<th>Exterior</th>
<th>Interior</th>
<th>(Black/Med. Earth Grey)/(PB)</th>
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</thead>
<tbody>
<tr>
<td>Agate Black</td>
<td>(UM)</td>
<td>[ ]</td>
</tr>
<tr>
<td>Oxford White</td>
<td>(YZ)</td>
<td>[ ]</td>
</tr>
<tr>
<td>Race Red</td>
<td>(PQ)</td>
<td>[ ]</td>
</tr>
<tr>
<td>(1) Carbonized Gray</td>
<td>(M7)</td>
<td>[x]</td>
</tr>
<tr>
<td>Antimatter Blue</td>
<td>(HX)</td>
<td>[ ]</td>
</tr>
<tr>
<td>(1) Iconic Silver</td>
<td>(JS)</td>
<td>[x]</td>
</tr>
<tr>
<td>Stone Gray</td>
<td>(D1)</td>
<td>[ ]</td>
</tr>
<tr>
<td>Velocity Blue</td>
<td>(E7)</td>
<td>[ ]</td>
</tr>
</tbody>
</table>
HOT PURSUIT JUST GOT HOTTER.

The only pursuit vehicle that’s built to be built is the only pursuit vehicle that’s ready when you are. The Ford® Police Responder™ is the only pursuit vehicle that’s built to be built. It’s built to be built with the same toughness, durability, and reliability that have made the Ford F-150 the industry’s best-selling truck for 49 years. It’s built to be built with a 3.5L EcoBoost® engine, a Terrain Management System™, and available 4WD for the ultimate in off-road capabilities. It’s built to be built with the latest in technology, including an available 360-degree camera system and a rearview camera that can help you see all around you. It’s built to be built with the Ford® Police Pursuit Vehicle™ certification, which gives you the confidence to know that your F-150 is ready for the job. It’s built to be built with the Ford® Police Responder™, the most capable and versatile pursuit vehicle available.
## 2021 FORD F-150 POLICE RESPONDER®

### STANDARD FEATURES — SuperCrew® 4x4 with 5.5` box

- 2-speed torque-on-demand 4x4 transfer case
- 12V powerpoints, front (2)
- 18` Silver-painted aluminum wheels
- AdvanceTrac® with RSC® (Roll Stability Control™)
- Built-in steel intrusion plates in both front seat backrests
- Class IV trailer hitch receiver with 4-pin/7-pin wiring harness and Smart Trailer Tow Connector
- Column-mounted shifter
- Engine-hour and -idle meters
- Ford Telematics® modem
- Floormats — Black vinyl
- Front-seat side airbags and Safety Canopy® System with side-curtain airbags and rollover sensor

### STANDARD FORD CO-PILOT360™ TECHNOLOGY

- Autolamp (Automatic On/Off Headlamps)
- Rear View Camera with Dynamic Hitch Assist
- Reverse Sensing System
- Trailer Sway Control

### AVAILABLE FEATURES

- Backup alarm system (830A)
- Badges delete (41A)
- Bed divider (dealer-installed option)
- Bleacher (mounted-in, in (36F)
- Bleacher — Tough Bed® spray-in (96W)
- Black platform running boards (38A)
- BLIS® (Blind Spot Information System) with Cross-Traffic Alert (91B)
- BoxLink® with 4 premium locking clamps (558)
- Chrome front and rear bumpers (17C)
- Daytime running lamps — Non-configurable (192)
- Engine block heater (58H)
- Fixed rear window with privacy glass and defroster (924/925)
- Floormats — Carpeted with carpeted floor mats (168)
- Floormats — Floor liners (47R)
- Fog lamps (590)
- Integrated trailer brake controller (67T)
- FX4 Off-Road Package includes electronic-locking rear axle; hill descent control; off-road-tuned shock absorbers; and fuel tank, transfer case and front differential skid plates
- Keys — Simple keyless (4)
- LT265/70R18C BSW all-terrain tires
- Mirrors — Rearview mirror
- Parameter alarm
- Personal Safety System™ for driver and front passenger with dual-stage front airbags
- Power lug under rear seat for upfitting (80-amp)
- Red/white task lighting in overhead console
- Reinforced universal 1/0 top tray for mounting equipment

### POWERTRAIN

<table>
<thead>
<tr>
<th>Engine</th>
<th>3.5L EcoBoost® V6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission</td>
<td>10-speed SelectShift® automatic</td>
</tr>
<tr>
<td>Horsepower</td>
<td>400 @ 6,000</td>
</tr>
<tr>
<td>Torque</td>
<td>500 @ 3,500</td>
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### DIMENSIONS & CAPACITIES

<table>
<thead>
<tr>
<th>EXTERIOR (in.)</th>
<th>SuperCrew</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>232.7</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>145.4</td>
</tr>
<tr>
<td>Width</td>
<td>79.5</td>
</tr>
<tr>
<td>Height</td>
<td>71.2</td>
</tr>
<tr>
<td>Approach angle</td>
<td>26.3°</td>
</tr>
<tr>
<td>Departure angle</td>
<td>25.3°</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>9.4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INTERIOR (in.)</th>
<th>SuperCrew</th>
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</thead>
<tbody>
<tr>
<td>Front/Rear Headroom</td>
<td>40.8/40.4</td>
</tr>
<tr>
<td>Legroom (max)</td>
<td>43.9/43.6</td>
</tr>
<tr>
<td>Hip room</td>
<td>62.5/62.6</td>
</tr>
<tr>
<td>Shoulder room</td>
<td>66.7/66.0</td>
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</table>

<table>
<thead>
<tr>
<th>CAPACITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passenger volume (cu. ft.)</td>
</tr>
<tr>
<td>Fuel (gal.)</td>
</tr>
<tr>
<td>Seating</td>
</tr>
<tr>
<td>Payload (lbs.)</td>
</tr>
<tr>
<td>Std. towing (lbs.)</td>
</tr>
<tr>
<td>Max. towing (lbs.)</td>
</tr>
<tr>
<td>GVWR (lbs.)</td>
</tr>
</tbody>
</table>

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fleet.ford.com

Just the facts: fordpolicevehicles.com

F-150 Police Responder was designed and developed to meet the same federal fuel system crash standards as retail vehicles and other manufacturers' police vehicles. Ford Police Interceptor Utility is the only vehicle on the market designed for the 75 mph rear-impact crash test.

Horsepower, torque, payload and towing are independent attributes and may not be achieved simultaneously.

Ford Telematics and Ford Data Services: available on vehicles with embedded modem or equipped with plug-in devices (P2D). Requires modem activation. Ford Telematics and Ford Data Services are subscription-based services subject to agreement to FSM terms and conditions. Subscription subject to monthly charge. Subject to AT&T and credit check for credit eligibility. Connected service and features, and access to vehicle data depend on subscription and compatible AT&T network availability. Evolving technology/cellular network/vehicle capability may limit functionality and prevent operation of connected features. Always wear your safety belt and follow airbag warning label instructions. Restrictions apply. See your dealer for details. Visit fleet.ford.com for complete package content. Ford Licensed Accessory. *Dimensions and capacities shown may vary due to optional features and on/poroduction availability. Required available: Trailer Tow Package, Max. towing varies based on cargo, vehicle configuration, accessories, and number of passengers.


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AN ORDINANCE
of the Council of the City of Berkley, Michigan
Amending Division 4 of Article VIII of Chapter 82, Offenses and Miscellaneous Provisions, of the City of Berkley Code of Ordinances to Prohibit the Possession and Use of Cigarettes, Tobacco, and Nicotine Products to Persons Under the Age of 21, and the Sale, Giving, or Furnishing of Cigarettes, Tobacco, and Nicotine Products, Including Electronic Cigarettes, to Persons Under the Age of 21, and to Prescribe Penalties for Violations.

THE CITY OF BERKLEY ORDAINS:

SECTION 1: Division 4 of Article VIII of Chapter 82 of the Berkley Code of Ordinances shall be amended, as follows:

Sec. 82-385. – Definition.

For the purposes of this division, the following terms shall be defined as follows:

Nicotine product means the highly toxic alkaloid found in tobacco, presented in tobacco, or in some other form for ingestion, including, but not limited to water soluble nicotine containing substances and devices which deliver nicotine through vapor or other means for inhalation or ingestion, including electronic cigarettes, hookah pens, or other similar devices.

Sec. 82-386. – Furnishing to minors.

It shall be unlawful within the city for any person to sell, give to or in any way furnish any cigarettes, tobacco, or nicotine products in any form to any person under the age of 18 years. In an action for a violation of this section, proof that the defendant demanded and was shown, before selling, giving, or furnishing any cigarettes, tobacco, or nicotine product to a person under the age of 18, a driver’s license or other bonafide photographic identification showing the person’s age and identity, shall be a defense.

Sec. 82-387. – Possession by minors.

It shall be unlawful within the city for any person under the age of 18 years to possess or have on their person any cigarettes, tobacco, or nicotine products in any form.

Sec. 82-388. – Use by minors in public places.

No person under the age of 18 years shall smoke, inhale, ingest, or use cigarettes, tobacco, or nicotine products in any form on any public highway, street, alley, park or other lands used for public purposes, or in any public place of business or amusement.
Sec. 82-389. – Harboring minors for purposes of indulgence; rights of parents.

No person shall knowingly harbor any person under the age of 18-21 years or grant to persons under the age of 18-21 years the privilege of gathering upon or frequenting any property or lands held by him for the purpose of indulging in the use of cigarettes, tobacco, or nicotine products in any form; provided, however, that no part of this division shall be construed as to interfere with the right of parents or lawful guardians in the rearing and management of their minor children or wards within the bounds of their own private premises.

Sec. 82-390. – Penalties.

(a) A person who violates sections 82-387 or 82-388 is responsible for a municipal civil infraction, with a fine up to $100 or community service.

(b) A person who violates sections 82-386 or 82-389 of this division is guilty of a misdemeanor, with a maximum penalty of up to 90 days in jail and/or a fine of up to $500.

SECTION 2: Severability Clause
Should any word, phrase, sentence, paragraph, or section of this Ordinance be held invalid or unconstitutional, the remaining provisions of this ordinance shall remain in full force and effect.

SECTION 3: Effective Date
This Ordinance shall become effective 30 days following the date of adoption.

SECTION 4: Publication
The City Council directs the City Clerk to publish a summary of this ordinance in compliance with Public Act 182 of 1991, as amended, and Section 6.5 of the Berkley City Charter.

Introduced on the First Reading at the Regular City Meeting on Monday, June 21, 2021.

____________________________
Daniel J. Terbrack
Mayor

Attest:

____________________________
Victoria Mitchell
City Clerk
Lt. Hadfield: Per your request, here is a draft ordinance to amend Berkley City Code Chapter 82, Article VIII, Division 4, Tobacco, to raise from 18 to 21 the lawful age for a person to possess, use, or purchase tobacco and nicotine products (which includes cigarettes and vaping). This will make the City ordinance consistent with a change to the federal Food, Drug, and Cosmetic Act, that went into effect last year, raising the federal minimum age for purchasing tobacco products to 21. This proposed ordinance amendment, if adopted, will allow Berkley PSD to enforce and cite violators under local ordinance.

Possession and use of tobacco and nicotine products by persons under age 21 is a municipal civil infraction. But, sale or furnishing of such products to someone under 21 is a misdemeanor.

Please carefully review the draft ordinance. If satisfactory, it may be processed in the usual manner to be introduced to the City Council to be considered for adoption.
Moved by Councilmember ____________________________ and seconded by Councilmember ____________________________ to approve the purchase of a Variable Message Board Sign and a Compact Light Tower at a total cost of $24,360 from Truck & Trailer Specialties utilizing the MITN Cooperative Bid.

Ayes:
Nays:
Motion:
Transmittal Memo

To: Matthew Baumgarten, City Manager

Cc: Mark Pollock, Finance Director

From: Derrick Schueller, DPW Director

Date: June 4, 2021

Subject: Recommendation for Award-Variable Message Board Sign and Compact Light Tower 
 MITN Cooperative Bid Program

Funds were allocated in the current budget for the purchase of a variable message board sign and light tower. These are both trailer units that can be deployed to various areas in the City. The 48" by 96" message board can display text as well as a full range of traffic control graphics. The diesel-powered light tower is compact and efficient with a full tank runtime of over 100 hours.

We propose to utilize the MITN cooperative bid contract for this purchase. The message board and light tower will be purchased from Truck & Trailer Specialties of Howell, Michigan per the MITN consortium. This program allows local units of government to purchase a variety of specialized equipment at a discounted price. The MITN bid has been utilized in the past by several City departments.

The manufacturer warranty is five (5) years on structural and electrical components and four (4) years on batteries.

We recommend moving forward with the message board and light tower purchase at a total cost of $24,360 from Truck & Trailer Specialties utilizing the MITN cooperative bid.

The new equipment was programmed in the Capital Equipment Replacement Plan and funds are available in the 2020-2021 Fiscal Budget under account number 592-536-922-592 (Equipment-$289,000).

Feel free to contact our office with any questions or concerns.
April 20, 2021

City of Berkley
3238 Bacon Avenue, Berkley, MI 48072
Attn: Shawn Young, phone: (248) 658-3490

Equipment Quotation

The following pricing will be based on City of Rochester Hills RFP-RH-20-023 contract awarded September 2020.

Supply Variable Message Sign including the following:
- WANCO brand, model# WVTMM-L, Large Metro Matrix
- Display size: 48" x 96"
- Matrix sign with hand-operated winch lift
- In-cabinet controller with 7" LCD capacitive touchscreen with 12 variable fonts
- 130W solar panel
- Features (4) four, solar-charged 6 Vdc deep-cycle batteries wired for 12 Vdc power
- Standard 15-amp 110-volt AC battery charger included
- 360° display rotation for optimal positioning
- Stabilizer swivel jacks
- Full-range of MUTCD graphics
- Includes 2” ball hitch
- Includes 7-way RV plug

Delivered price for (1) one unit: $14,535.00 ea.

Option remote communication for Messageboard, using own City service
Option add: $650.00 ea.

Warranty Info:
Manufacturer warranty offering 5 years on structural and electronics, 4 years prorated on batteries.

Payment Terms: Net 30. Pricing effective for 45 days.
FOB: City of Berkley
Delivery: 28-35 days ARO

Thank you for the opportunity to quote.

Respectfully submitted by,
Jon Luea/Brian Bouwman
April 20, 2021

City of Berkley
3238 Bacon Avenue, Berkley, MI 48072
Attn: Shawn Young, phone: (248) 658-3490

Equipment Quotation

The following pricing will be based on City of Rochester Hills RFP-RH-20-023 contract awarded September 2020

Supply   Diesel Compact Light Tower including the following:
         WANCO brand, model# WLTT-4MK8K
         Four, 1000-watt metal halide lights
         24.5’ vertically deploying tower
         Dual, handle manual winch lift
         Kubota D1005 engine
         Large 8kw Generator
         120 & 240V receptacles
         60-gallon fuel tank
         Industrial-grade leveling jacks
         Includes 2” ball hitch
         Includes 7-way RV plug

Delivered price for (1) one unit: $9,165.00 ea.

Warranty Info:
Manufacturer warranty offering 5 years on structural and electronics, 4 years prorated on batteries.

Payment Terms: Net 30. Pricing effective for 45 days.
FOB: City of Berkley
Delivery: 3-4 months ARO

Thank you for the opportunity to quote.

Respectfully submitted by,
Jon Luea/Brian Bouman
Moved by Councilmember ___________________________ and seconded by Councilmember ___________________________ to approve the purchase of a 2021 Ford Transit Cargo Van with Buildout at a total cost of $70,265 from Signature Ford and Truck & Trailer Specialties utilizing the Macomb County and MITN Cooperative Bids.

Ayes:

Nays:

Motion:
To: Matthew Baumgarten, City Manager
Cc: Mark Pollock, Finance Director
From: Derrick Schueller, DPW Director
Date: June 4, 2021
Subject: Recommendation for Award-2021 Ford Transit 250 EL Cargo Van & Buildout
Macomb County & MITN Cooperative Bid Programs

Funds were allocated in the current budget for the purchase of a high roof cargo van and buildout. This vehicle is primarily used on water meter appointments and MISS DIG activities. It will replace a 2008 Chevrolet van in the current fleet (#1).

We propose to utilize both the Macomb County and MITN cooperative bid contracts for this purchase. The base cargo van will be purchased from Signature Ford of Owosso, Michigan in accordance with the Macomb County program and the meter van outfitted from Truck & Trailer Specialties of Howell, Michigan per the MITN consortium. These programs allow local units of government to purchase a variety of fleet vehicles with specialized equipment at a discounted price. Both bids have been successfully utilized in the past by various City departments.

DPW staff has reviewed the equipment and outfitting options available via MITN for the buildout. Selections have been made for shelf and storage units, a computer mount, custom lighting and electrical, a power inverter, and an air compressor system (please see attached for more details on both the van and accessories).

The vehicle comes with a 36,000 miles or 36 months factory bumper-to-bumper warranty and a 60,000 miles or 60 months powertrain warranty with service handled by any local Ford dealer. All of the body components come with a minimum one year warranty for parts and labor (no deductible).

We recommend moving forward with the 2021 Ford Transit Cargo Van purchase and buildout at a total cost of $70,265 from Signature Ford and Truck & Trailer Specialties utilizing the Macomb County and MITN cooperative bids.

The new vehicle was programmed in the Capital Equipment Replacement Plan and funds are available in the 2020-2021 Fiscal Budget under account number 592-536-985-000 (Vehicles-$400,000).

Feel free to contact our office with any questions or concerns.

Attachments: DLS
J:\Vehicles and Equipment\Meter Van\2021\Council\Recommendation for Award 2021 Ford Transit 6-4-21.doc
POWERTRAIN
- Engine 3.5L PFDi V6 Includes port injection and E-85 Flex-Fuel Capability.
  - Transmission 10-Speed Automatic Overdrive with SelectShift

FUNCTIONAL
- Alternator – 250 amp (3.5L PFDi V6 and 3.5L EcoBoost® V6 engine only)
- Horn – Single-note
- Air Conditioning Front only
- Antenna – Fender Mounted
- AM/FM stereo, Bluetooth, Dual USB ports and a 4.0” multifunction display (Audio Pack #18)
- Single Battery – 70 amp-hr (3.5L PFDi V6 engine only)
- Single AGM Battery – 70 amp-hr (3.5L EcoBoost® V6 engine only)
- Brakes – 4-wheel Anti-Lock Disc Brakes
- Parking Brakes
- FordPass™ Connect / Telematics Modern
- Instrumentation Tachometer, Fuel Level and Coolant Temperature
- PowerPoint – 12V One is located in the instrument panel and one in center console.
- Electric Power Assisted Steering (EPAS)
- Steering Wheel – Power Rack and Pinion
- Steering Wheel – Tilt and Telescoping
- Front – Independent MacPhersonstrut, Stabilizer Bar
- Rear – Leaf Springs, Heavy-duty Gas Shock Absorbers

EXTERIOR
- Body Side Moldings – Carbon Black
- Front Bumper – Carbon Black, Body Colored with Lower Valance
- Rear Bumper – Carbon Black, without Integral Step
- 50/50 Hinged Rear Door, 180-degree Opening (Regular Length)
- Sliding Passenger-side Door
- Halogen Headlamps
- Headlamps Courtesy Delay
- Center High Mount Stop Lamp (CHMSL)
- Taillamps
- Auxiliary Fuel Port
- Fuel Tank – Capacitor Fuel Fill, 25 U.S. gallons (midship)
- Honeycomb Mesh Grille with Carbon Black Surround
- Mirrors, Short-Arm, Power Adjusting, Manual-Folding
- Tires – 235/65R16C 121/119 R BSW allseason
- Rear Tow Hook
- Wheels – 16” Silver Steel Wheel with Black Hubcap
- Standard Front Axle configurations only
- 16” Silver Steel Wheel with Exposed Lug Nuts

INTERIOR
- Step Well Pads – Black
- Medium Center Console

Note: Includes an integrated shifter and a dual cup holder
- Glove Box – Locking
- Rear Cargo Door – Interior Exit Handle
- Rear Cargo Door – Locking
- Power Equipment Group (Power Looks and Windows) with Remote Keyless-Entry
- Floor Covering Vinyl, Front only
- Rearview Mirror Delete (When Equipped Without Rear Glass)
- Front Dome Lamp with Map Lights and Theater Dimming
- Partial Rear Compartment Lighting (2 LED lights located in C-pillar)
- Accessory Delay – 30 minutes
- Front Overhead Shelf Delete
- A-Pillar Assist Handles (Driver and Passenger-side)
- B-Pillar Assist Handle (Passenger-side)
- D-Pillar Weld Nuts
- Headliner – Cloth, Front only
- Seating – Front Driver and Front-passenger Manual Reclining Bucket Seats with Adjustable Headrest (includes driver-side and passenger-side inboard armrests)
- Sunvisors

SAFETY/SECURITY
- Autolocking Drive Away with Crash Unlocking. Not available with Manual Locks.
- AdvanceTrac® w/Roll Stability Control™ (RSC®)
- Safety Belts – 3-point, All Positions
- Note: Belt minder is included on the driver and front passenger seat(s).
- SecuriLock® Passive Anti-Theft System (PATAS) with engine immobilizer
- Tire Pressure Monitoring System (TPMS), Standard on SRW and DRW configurations.
- Driver and Passenger Airbags
- Passenger-side Airbag Cut-off Switch. Not available with Passenger Seat Delete (21J and 21K) or Right Hand Door Delete (60X) configurations
- Safety Canopy® Side-curtain Airbags
- CO-Pilot360 TECHNOLOGY
- Forward Collision Warning
- Hill Start Assist
- Pre-Collision Assist with Automatic Emergency Braking
- Note: If a potential collision is detected, a warning flashes and an alert sounds, and if the driver's response is not sufficient, the system can automatically apply the brakes to help minimize a frontal collision.
- Lane-Keeping System
- Note: Includes Lane-Keeping Alert and Driver Alert. This feature can alert the driver, during day or night, if their vehicle is unintentionally leaving its intended lane.
- Auto High-Beam Headlamps
- Rear View Camera with Trailer Hitch Assist.
- Neter Camera will be high-mount for Medium Roof and High Roof.
- Automatic Rain-Sensing Windshield Wipers

Option Included in Base Price: Front and Rear Vinyl Floor Covering (461) and Rear Step Bumper (43E)
Base Prices Low Roof (33.6")

- Transit 250 (R1Y/101A/43E) 130" Regular Wheelbase $24,990.00
- Transit 250 (R2Y/101A/43E) 130" Regular Wheelbase All-Wheel Drive $29,110.00
- Transit 250 (R1Y/101A/43E) 148" Long Wheelbase (V.2) $26,109.00
- Transit 250 (R2Y/101A/43E) 148" Long Wheelbase All-Wheel Drive $30,229.00

Base Prices Medium Roof (100.8")

- Transit 250 (R1C/101A/43E) 130" Regular Wheelbase $28,199.00
- Transit 250 (R2C/101A/43E) 130" Regular Wheelbase All-Wheel Drive $32,319.00
- Transit 250 (R1C/101A/43E) 148" Long Wheelbase (V.2) $29,318.00
- Transit 250 (R2C/101A/43E) 148" Long Wheelbase All-Wheel Drive $33,474.00

Base Prices High Roof (110.1")/EL (109.4")

- Transit 250 (R1X/101A) 148" Long Wheelbase $31,207.00
- Transit 250 (R2X/101A) 148" Long Wheelbase All-Wheel Drive $35,328.00
- Transit 250 EL (R3X/101A) 148" Extended Length $32,276.00
- Transit 250 EL (R3U/101A) 148" Extended Length All-Wheel Drive $36,395.00

Available Options

- 3.5L EcoBoost V-6 Engine 99G/44U 1775.00
- Vehicle Maintenance Monitor 61C 45.00
- Heater, Engine Block 41H 75.00
- Axle, Limited Slip X_L 325.00
- Dual Batteries 70 amp-hr (ea) 63E 295.00
- Dual Batteries 70 amp-hr (ea) and Dual Alternators 250 Amps (ea) 63E/63C 845.00

(Available only with 3.5L EcoBoost Engine)

- Seats Cloth, 2-way manual driver and Passenger Seats 21L/21M 115.00
- Seats Cloth 10-way power driver and Passenger Seats 21Q/21R 385.00
- Heavy Duty Front Axle (Standard on All-Wheel Drive) 41E 315.00
- Perimeter Anti-Theft Alarm 59D 155.00
- Front Fog Lamps 55D 105.00
- Daytime Running Lights 942 45.00
- License Plate Bracket Front 153 N/C

- Short Arm Manual Folding Power Heated with Turn Signals 544 160.00
- Long Arm Non Telescoping Mirrors-Power 543 65.00
- Long Arm Non Telescoping Mirrors-Power Heated with Turn Signals 544 220.00

- Trailer Tow Package-Heavy Duty 53B 485.00

- Integrated Trailer Brake Controller (Inc.,Trailer Tow Pkg. & Cruise)67D/53B/60C 1215.00

- Keyless-Entry Pad 52C 95.00

- Rear Window Defogger (Requires any Window Package) 57N 175.00
[ ] Air Conditioning Front/Rear (Driver controlled). 57G 860.00
[ ] AM/FM Stereo, Bluetooth, Dual USB Ports, SYNC3, and a 4.0 inch Multi-Function display 58V 280.00
[ ] AM/FM Stereo, HD/SiriusXM capability, Bluetooth, Dual USB Ports, SYNC3, and a 4.0 inch Multi-Function display 58W 520.00
[ ] AM/FM Stereo, Bluetooth, Dual USB Ports, SYNC3, and a 8.0 inch colored Multi-Function touch screen 58X 410.00
[ ] AM/FM Stereo, HD/SiriusXM capability, Bluetooth, Dual USB Ports, SYNC3, and a 8.0 inch colored Multi-Function touch screen 58Y 650.00

[ ] Cruise Control 60C 325.00
[ ] Dual-Note Horn 85D 20.00
[ ] Heavy Duty Cargo Flooring and Heavy Duty Scuff Plate Kit 60B 850.00

(Note Available w/Rear Air Conditioning)
[ ] Upfitter Package (High Capacity Upfitter Switches, Large Center Console, Auxiliary Fuse Panel with High Spec Interface Connector, Dual AGM Batteries (63E), and Modified Vehicle Wiring System (53K) 67C 610.00
[ ] Exterior Upgrade Package (Chrome-trimmed, Halogen Headlamps18L, with Autolamp, Three Bar Grill with Chrome Surround, and 16" Heavy Duty Silver Steel Wheel with Exposed Lug Nuts 96C 1435.00
[ ] Interior Upgrade Package (Cruise control, Vinyl Sunvisor with Illuminated Vanity Mirror, Cloth driver and passenger Seats (211/21M), and Full Height Polypropylene Cargo area panels.) 85C 75.00
[ ] (2) Additional Keys w/FOPS 86F 75.00
[ ] Power Outlet 110V/400W (Cannot be combined w/110V/150W) 90D 475.00
[ ] Power Point – 12V rear 87A 15.00
[ ] Reverse Sensing System 43R 295.00
[ ] Side Sensing System (Includes Reverse Sensing and Fog Lamps) 94A 475.00

Colors for Transit 250 Van

<table>
<thead>
<tr>
<th>Exterior Colors</th>
<th>Pewter (VK/CK)</th>
<th>Charcoal (CB)</th>
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<tbody>
<tr>
<td>School Bus Yellow Metallic</td>
<td>[BY] [ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Race Red</td>
<td>[PQ] [ ]</td>
<td>[ ]</td>
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<tr>
<td>Oxford White</td>
<td>[YZ] [ ]</td>
<td>[x]</td>
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<tr>
<td>Extra Cost Metallic Paint</td>
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| Agate Black                | [UM] [ ]       | [ ]           |
| Ingot Silver               | [UX] [ ]       | [ ]           |
| Stone Gray                 | [DI] [ ]       | [ ]           |
| Blue Jeans                 | [NI] [ ]       | [ ]           |
| Carbonized Gray            | [M7] [ ]       | [ ]           |
| Avalanche Gray             | [DR] [ ]       | [ ]           |
| Abyss Gray                 | [ME] [ ]       | [ ]           |
| Diffused Silver            | [FK] [ ]       | [ ]           |
| Kapoor Red                 | [AW] [ ]       | [ ]           |

3|Page
April 12, 2021

City of Berkley
3238 Bacon Avenue, Berkley, MI 48072
Attn: Shawn Young, phone: (248) 658-3490
HQ002642

Equipment Quotation

The following pricing will be based on City of Rochester Hills RFP-RH-20-023 contract awarded September 2020

Chassis information:
2021 Ford Transit 250 EL High Roof (109.4") Cargo Van, 148" extended length, AWD, upfitter switches, factory rearview camera & integrated trailer brake controller, dual AGM battery with a single alternator, including vinyl floor in front cab, rear step bumper. Regarding the VMAC air compressor: For Transit vans equipped with an electronic parking brake, order code A608 is required (high specification interface connector).

Install Weather Guard Van Storage including the following:

Bulkhead Items:
One (1) bulkhead transit high roof steel mesh, deep offset (mo. 96322-3-01D)
One (1) hinge kit (mo. 96901-3-01)

Driver-side Items:
One (1) adjustable 4-shelf unit, 52" x 13-1/2" x 60" (mo. 9375-3-03)
One (1) shelf door, 52" (mo. 9505-3-01)
Two (2) accessory back panels, 52" (mo. 9605-3-01)
One (1) medium 6-bin set, 13" (mo. 9895-7-01)
One (1) adjustable 4-shelf unit, 60" x 13-1/2" x 60" (mo. 9376-3-03)
Two (2) accessory back panels, 60" (mo. 9606-3-01)
One (1) small 6-bin set, 13" (mo. 9858-7-01)
One (1) wire spool holder, end-mount (mo. 9882-7-01)

Passenger-side Items:
One (1) secure storage shelf unit 42" x 16" x 60" (mo. 9391-3-03)
One (1) 5-drawer secure storage module 42" x 17" x 16" (mo. 9045-3-02)
One (1) shelf door 42" (mo. 9504-3-01)
One (1) accessory back panel 42" (mo. 9604-3-01)
One (1) literature holder 6-compartment (mo. 9880-3-01)
One (1) 3-hook, cord or tool holder (mo. 9893-7-01)
One (1) can organizer for three (3) cans (mo. 9874-7-01)

Accessory Items:
One (1) van shelf mounting kit (mo. 975104-3-01)
One (1) sliding ladder rack, mounted inside van (mo. 250)

Install Jotto Desk Mobile Computer Mount including the following:
Jotto Laptop Mount (mo. 425-5626/5215)
Mobile laptop mount between front seats

Install Custom Lighting & Electrical including the following:
Chassis switches to operate warning & work lighting
Six (6) SoundOff mPower (mo. EMPC25MS4) amber/green flashers mounted:
Two (2) in chassis grille
Four (4) at rear of van with one (1) on each pillar and two (2) at top frame above doors
Two (2) SoundOff Pinnacle (mo. EPL7PDPC) amber/green mini lightbars, one towards front of van and a second one mounted above rear brake light on riser
One (1) Whelen (mo. TACF-85) and in-cab control mounted above rear brake light
Two (2) Maxxima (mo. MWL-61) 5000-lumen rotational LED scene work lights mounted, one on each side
Two (2) 4" LED work lights mounted at rear and on sides
Two (2) Maxxima LED strip lighting (mo. MSLS-4569) mounted to ceiling in cargo area
Backup alarm
Install 3000-watt Pure Sine Power Inverter including the following:
  Sensata (mo. 123000)N
  Absorbent Glass Mat (AGM) technology
  Mount inverter on shelf
  2 GFI outlets wired directly to inverter, one in the front of compartments and one towards the rear
  Includes 2nd battery mounted in cage with compressor and wired to Van battery with 250-amp fuse and single battery box
Install Underhood Air Compressor System including the following:
  VMAC VR Lite VR40 (mo. V400019) 3.5L Gas, Ford Transit
  Max 40 CFM, Max 150 PSF
  Belt-driven rotary screw air compressor
  Multi-groove electric clutch and compressor
  Remote liquid-to-liquid heat exchanger
  Variable speed control
  6-gallon air receiver tank (mo. A300045) mounted under bottom shelf, passenger-side
  Filter regulator lubricator (mo. A700151)
Install Miscellaneous items including the following:
  One (1) Reelcraft air hose reel 3/8" I.D. and 100' hose w/bulb stop (mo. 81100 OLP) & one (1) Reelcraft air hose reel 3/4" I.D. and 50' hose w/bulb stop (mo. 83050 OLP) spring return premium-duty reel with roller fairlead, mounted on floor near passenger-side sliding door, one on left side, one on right side
  Four (4) conduit tubes for T-handle tools, mounted along shelves inside van area varying 3' to 6' long
  Aluminum fabricated cover over rear heater in van storage area
Install WeatherTech Floor Liners, Black (mo. TBD for 2021 model year)
Install Rhino Lining bed liner protectant in cargo area floor of van

Above installed equipment pricing: $27,450.00 ea.

Payment Terms: Net 30. Pricing effective for 45 days.
FOB: City of Berkeley
Delivery: 120-180 days ARO

Thank you for the opportunity to quote.
Respectfully submitted by,
Jon Luea/Brian Bouwman
June 21, 2021 City Council Meeting

Moved by Councilmember ____________________________ and seconded by Councilmember ____________________________ to appoint the Public Works Director, Derrick Schueller, as the City of Berkley's representative and City Manager, Matthew Baumgarten as the alternate representative to the Southeastern Oakland County Resource Recovery Authority (SOCRRA) Board of Trustees for the fiscal year beginning July 1, 2021; and instruct the City Clerk to send a copy of this motion to the SOCRRA Board.

Ayes:

Nays:

I, Victoria Mitchell, being duly appointed City Clerk of the City of Berkley; hereby certify that this is a true and correct copy of Motion No. M-36-21, which was approved by the Berkley City Council at its regular meeting held on Monday, June 21, 2021.

Victoria Mitchell, City Clerk
June 21, 2021 City Council Meeting

Moved by Councilmember ___________________ and seconded by Councilmember ___________________ to appoint the Public Works Director, Derrick Schueller, as the City of Berkley’s representative and City Manager, Matthew Baumgarten as the alternate representative to the Southeastern Oakland County Water Authority (SOCWA) Board of Trustees for the fiscal year beginning July 1, 2021; and instruct the City Clerk to send a copy of this motion to the SOCWA Board.

Ayes:
Nays:

I, Victoria Mitchell, being duly appointed City Clerk of the City of Berkley; hereby certify that this is a true and correct copy of Motion No. M-37-21, which was approved by the Berkley City Council at its regular meeting held on Monday, June 21, 2021.

__________________________________
Victoria Mitchell, City Clerk
June 21, 2021 City Council Meeting

Moved by Councilmember __________________________ and seconded by Councilmember __________________________ to appoint the Chief Innovation Officer, Stan Liska, as the City of Berkley's representative and City Manager, Matthew Baumgarten as the alternate representative to the Intergovernmental Cable Communications Authority (ICCA) Board for the fiscal year beginning July 1, 2021; and instruct the City Clerk to send a copy of this motion to the ICCA Board.

Ayes:

Nays:

I, Victoria Mitchell, being duly appointed City Clerk of the City of Berkley; hereby certify that this is a true and correct copy of Motion No. M-38-21, which was approved by the Berkley City Council at its regular meeting held on Monday, June 21, 2021.

__________________________________
Victoria Mitchell, City Clerk
Moved by Councilmember ___________________________ and seconded by Councilmember ___________________________ to appoint the Community Engagement Officer, Torri Mathes, as the City of Berkley's representative to the Community Media Network Public Access TV (CMNtv) Board of Trustees for the fiscal year beginning July 1, 2021; and to instruct the City Clerk to send a copy of this motion to the CMNtv Board.

Ayes: 

Nays: 

I, Victoria Mitchell, being duly appointed City Clerk of the City of Berkley; hereby certify that this is a true and correct copy of Motion No. M-39-21, which was approved by the Berkley City Council at its regular meeting held on Monday, June 21, 2021.

Victoria Mitchell, City Clerk
A RESOLUTION
of the Thirty-eighth Council of the City of Berkley, Michigan
to Approve the Consent Judgment in Settlement of the Lawsuit, Giarmarco v Berkley, Oakland
County Circuit Court Case No. 2021-187187-AA

WHEREAS, A Consent Agreement was presented to City Council regarding a Zoning Ordinance
Determination; and

WHEREAS, The presented Consent Agreement between Sara Giarmarco and John Giarmarco
(Plaintiffs-Appellants) v City of Berkley (Defendant-Appellee) will be filed in Oakland
County Circuit Court; and

WHEREAS, The parties acknowledge that this Consent Judgment is executed as part of a compromise
of disputed claims for the purpose of avoiding the uncertainties and costs of litigation, and
shall not ever be construed as an admission of liability or error on the part of either party; and

WHEREAS, The appeal is hereby dismissed with prejudice and without costs to either party and that
this Order resolves the last pending claim and closes the case; and

WHEREAS, Upon City Council’s approval of the Consent Judgment, the City Attorney will be authorized
to sign the agreement on the City’s behalf.

NOW, THEREFORE, THE CITY OF BERKLEY RESOLVES:

To approve the Consent Judgement in Settlement of the Lawsuit, Giarmarco v Berkley,
Oakland County Circuit Court Case No. 2021-187187-AA.

Introduced and Passed at a Regular City Council Meeting on Monday, June 21, 2021.

Daniel J. Terbrack, Mayor

Attest:

Victoria Mitchell, City Clerk
CONSENT JUDGMENT REGARDING
ZONING ORDINANCE DETERMINATION

At a session of said Court, held in the City of Pontiac, County of Oakland, State of Michigan
on ____________________________.

PRESENT: Hon. ______________________
Circuit Court Judge

This matter having come before the Court upon the filing of Plaintiffs-Appellants’
Claim of Appeal from Zoning Ordinance Determination Pursuant to MCR 7.122; and the
Court being fully advised in the premises:

IT IS HEREBY ORDERED that:
1. The variance requested by Plaintiffs-Appellants in Berkley PBA No. 02-21 (i.e., to install a generator in the “side yard” of 2650 Ellwood Ave., Berkley MI 48072, Parcel ID #25-18-152-036) is GRANTED, subject to the following conditions:
   a. Any/All testing of the generator shall take place on Monday through Friday, between the hours of 9:00 a.m. and 6:00 p.m.; and
   b. The generator shall be screened from view on at least three (3) sides; the parties recognize and agree that the existing fencing at the Subject Property satisfies this condition.

2. If Plaintiffs-Appellants comply with the two (2) conditions set forth supra in ¶ 1, then Defendant will not enforce the “Division 1.5 Exterior Appliance” Ordinance against them, or otherwise interfere with Plaintiffs-Appellants’ right to use/install a generator in the “side yard” of the Subject Property. Plaintiffs-Appellants will remain subject to all other applicable laws, ordinances, codes, and regulations governing installation and use of electrical generators.

3. The parties acknowledge that this Consent Judgment is executed as part of a compromise of disputed claims for the purpose of avoiding the uncertainties and costs of litigation, and shall not ever be construed as an admission of liability or error on the part of either party.

4. The March 8, 2021 decision of the Berkley Zoning Board of Appeals denying the requested variance is hereby set aside, superseded, and replaced by this Consent Judgment.
5. Finally, the instant zoning appeal is hereby dismissed with prejudice and without costs to either party. This Order resolves the last pending claim and closes the case.

IT IS SO ORDERED.

___________________________________
Circuit Court Judge

Approved for entry by:

By:__________________________ By:____________________________
Geoffrey S. Wagner (70839) John D. Staran (P35649)
Attorney for Plaintiffs Attorney for Defendant
June 21, 2021 City Council Meeting

Moved by Councilmember __________________________ and seconded by Councilmember __________________________ to authorize the City Manager to sign the Application for Additional Service Credit Purchase for Shawn Young approving two years of additional service credit. This service credit purchase is allowed by the City of Berkley MERIT System of Human Resource Management Section 1001.08 and meets all of the requirements of the MERS Plan Document which would allow for this service credit purchase.

Ayes:

Nays:

Motion:
Memorandum

To: Matt Baumgarten, City Manager
From: Mark Pollock, Finance Director
Date: June 21, 2021
Subject: Application for Additional Service Purchase Credit

Attached is the MERS estimate for additional purchase of service time for Shawn Young. The current estimate from MERS is $56,970, of which the employee will pay $9,135 and the City would pay the balance of $47,835. Although this seems like a high cost, the reality is that we would pay slightly more to MERS over two years of her continuing to work than this lump sum amount. This is because the calculation utilizes a formula that approximates the net present value of the service cost which is lower than the future cost over time.

This purchase is allowed under the MERIT Agreement. Feel free to call or e-mail me if you have any questions.
1001.03 Membership of an employee in the retirement system shall commence as of the first day of paid employment, or at such other time as the employee meets the monthly work time criteria on a regularly scheduled basis.

1001.04 The terms and conditions of participation in the (MERS) retirement system, and qualification to receive benefits there under, shall be subject to the provisions of the act, and to the rules, procedures, and decisions of the retirement board, established pursuant to the act to manage, administer, and operate the MERS retirement system. An employee may not use the grievance procedure contained in this Merit System to settle any dispute regarding any matter which is the responsibility of the retirement board under the act.

1001.05 The benefit program for all eligible Merit System employees who retire on or after January 1, 1992 shall be Plan B-4, with termination of membership vesting Benefit Program V6. (R-78-91) An employee meeting the following criteria for years of credited service and age shall be eligible to retire with unreduced benefits: (R-23-01)

a. Six (6) years of credited service and sixty (60) years of age.

b. Fifteen (15) years of credited service and fifty-five (55) years of age.

c. Twenty-five (25) years of credited service at any age. (R-23-01)

d. Regardless of hire date, the components of Final Average Compensation shall be those items outlined in the Municipal Employees' retirement system of Michigan Plan Document.

1001.07 All full time employees hired on or after July 1, 2008, will be eligible for a B-3 with 55/25 and age 60 with 10 years of service. Final Average Compensation will be FAC-3.

1001.08 As provided in, and subject to, the provisions of the MERS Plan Document, an employee may receive additional length of service credit for retirement purposes for service in the employ of certain governmental units other than the City of Berkley, and full time previous City of Berkley service not currently credited, (R-37-00) subject to the following additional provisions: (R-72-99)

a. At the time of requesting the additional service credit, the employee meets the eligibility requirements as described in the MERS Plan Document for the vesting benefits. (R-72-99)

b. The city will pay a portion of the cost for not more than twenty-four (24) months of service to be credited according to Section 1001.05 (b). The employee shall pay to MERS an amount determined as follows:

Employee payment to MERS = MERS reportable wages for prior 12 months x .05 x Number of months to be credited
CITY OF BERKLEY
MERIT SYSTEM OF HUMAN RESOURCE MANAGEMENT

c. The city shall be responsible for the portion of the total cost not paid by the employee. The employee shall be responsible for the entire cost of any additional service greater than 24 months that the employee may wish, and be eligible, to add to the service credit pursuant to the MERS Plan Document, R-72-99.

d. The city will be responsible for one required valuation of cost per eligible employee to add additional service credit. The employee shall be responsible for any additional valuations that may be required when less than all eligible prior service is added at any given time, R-72-99.

1002 LONGEVITY AT RETIREMENT

An employee whose application for regular or disability retirement has been approved by the Municipal Employees Retirement System, and who separates from city employment for the purpose of receiving said retirement in the next following month, shall at the time of separation be entitled to receive a prorated longevity payment based upon the number of days from the most recent November 30th to the last day of employment.

1003 HEALTH AND WELFARE BENEFITS FOR RETIREES

Full time employees hired prior to July 1, 20055, who is retired from city employment, who has applied for, and not been denied, or who is receiving, regular retirement or disability payments pursuant to the provisions of the Municipal Employees Retirement System, shall be eligible to receive hospitalization insurance coverage while said retirement payments continue to be paid to the employee or the employee's surviving spouse. This insurance coverage shall be:

a. The same, unless unavailable from the insurance carrier, as that provided at the time to non-retired Merit System employees, excluding benefits under Medicare or similar plan available pursuant to Federal and State legislation;

b. Paid for by the city on behalf of the former employee and/or spouse who shall be responsible for payment, when required by the city, for any coverage for their eligible dependents.

c. Terminated if the city is unable to correspond with the employee for lack of a current mailing address, or the employee fails to meet the financial obligation to the city under this program.

d. Replaced with a PPO form of coverage as described in Section 901.02, when traditional coverage is unavailable due to the age or place of residence of the retiree.
Application for Additional Service Credit Purchase

Section 1: Service Credit Purchase Cost Estimate
With the approval of the employer and the local governing body, participants can purchase additional service credit to help meet an early retirement eligibility provision or to increase their pension benefit. Unlike MERS-to-MERS or Act 88 time, purchased service credit generally cannot be used to reach vesting.

This estimate is only valid for two months after June 1, 2021, the effective date of this calculation.

The cost to purchase service credit for each Individual is based on many factors. Below is the Information that MERS used to prepare this estimate. Please review the following Information for accuracy. If any is incorrect, this estimate may not be correct.

Participant Information
Shawn P. Young
Date of Birth: 
Age: 
Spouse's Date of Birth: 
FAC as of calculation date:

Service Credit
Earned service credit as of calculation date: 18 years, 9 months
Vesting Only Service: 
Other Governmental Service used for Eligibility (MERS or Act 88):
Type of Credited Service to be Purchased: Generic
Amount of additional service requested: 2 years, 0 months

Benefit Impact

<table>
<thead>
<tr>
<th>Earliest Eligibility Retirement Date</th>
<th>Retirement Age</th>
<th>Projected FAC</th>
<th>Service Credit</th>
<th>Benefit Multiplier</th>
<th>Annual Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before Proposed Purchase</td>
<td>8/1/2026</td>
<td>51 years 4 months</td>
<td>$106,431.49</td>
<td>23 years 11 months</td>
<td>2.5%</td>
</tr>
<tr>
<td></td>
<td>8/1/2024</td>
<td>49 years 4 months</td>
<td>$100,321.89</td>
<td>23 years 11 months</td>
<td>2.5%</td>
</tr>
</tbody>
</table>

Estimated Cost of This Service Credit Purchase: $56,970.00

The total cost is due in full at the time of purchase and may be paid by either the participant or employer. You may be eligible to transfer assets from other accounts to make a payment for the purchase, such as: 457 Deferred Compensation Plans; 401 plans; 403(b) plans; and some IRAs (traditional and SIMPLE). To initiate this transfer complete the form Certification of Qualified Fund Rollover to MERS (form number F-38). Send signed, approved Application for Additional Service Credit to MERS prior to sending any payment.
Section 2: Calculation Assumptions

1. Projected Earliest Eligible Retirement Date

This date is calculated using the participant’s date of birth, the amount of service credit reported by the employer, and other service credit that we have on record (such as MERS-to-MERS or Act 88 time). If any of this data is incomplete or inaccurate this can affect the cost estimate. If the participant chooses to retire on a different date, it may increase/decrease the actual cost.

2. Projected Final Average Compensation (FAC)

Future increases in the FAC are assumed to be a 3.00% annual increase. This calculation is dependent on the wages reported by the employer to MERS. If the actual increases end up being different than the assumption, it may increase/decrease the actual cost.

3. Projected Service Credit

It is assumed the participant will continue to work until the earliest date for unreduced retirement benefits unless a specific termination date is shown. Any deviation from the earliest eligibility date may increase/decrease the actual cost.

4. Benefit Program

The current benefit plan provisions are used to calculate the cost of purchasing service credit. If the participant transfers into a different division and is eligible for a benefit plan with different provisions, then the cost may differ from the initial calculation. Likewise costs may differ if the municipality adopts different benefits in the future for any participant that has purchased service credit. These changes will be reflected in the actuarial valuation required to adopt any benefit increase.

5. Investment Assumption

The current investment return assumption for service credit purchase is 6.35%.

6. Mortality Rate

Assumptions are made on the life expectancies of the participant and their surviving spouse, using tables generated by actuarial professionals.

Section 3: Certification and Authorization

PARTICIPANT CERTIFICATION

I certify the above information is correct and accurate. If this is a purchase of qualifying "other governmental" service, I certify the service has not and will not be recognized for the purposes of obtaining or increasing a pension under another defined benefit retirement plan.

__________________________  _________________________
Participant Signature   Date

GOVERNING BODY RESOLUTION

By Resolution of its Governing Body, at its meeting on __________, as provided by the MERS Plan Document, and in accordance with the employer's policy, the employer hereby authorizes the participant named above to make a service credit purchase from MERS as described above. The employer understands this is an estimated cost, calculated using actuarial assumptions approved by the Retirement Board. Any difference between the assumptions and actuarial experience will affect the true cost of the additional service to the employer. The calculation assumptions are outlined above and the employer understands and agrees it is accountable for any difference between estimated and actual costs.

__________________________  _________________________
Signature of Authorized Official  Date

Title

<table>
<thead>
<tr>
<th>MERS Use Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payment Received:</td>
</tr>
<tr>
<td>Service Credit:</td>
</tr>
<tr>
<td>Signed:</td>
</tr>
</tbody>
</table>
June 21, 2021 City Council Meeting

Moved by Councilmember ________________________and seconded by Councilmember 
____________________ to authorize the amendment of the 2020-2021 Budget as presented.

Ayes:

Nays:

Motion:
To: Matt Baumgarten, City Manager
From: Mark Pollock, Finance Director
Subject: Budget Amendments
Date: June 16, 2021

Attached are the proposed Budget Amendments for the fiscal year ending 6/30/2021 for City Council approval. This fourth and final round of budget amendments are for the amendments needed at the of the fiscal year. As with the past budget amendments, each fund shows the impact of the proposed new amendments on the final estimated fund balance.

These amendments would decrease the annual general fund deficit from ($1,838,972) to ($1,720,142). The net additions to amended revenue total $95,300. The expenditure side has many amendments proposed. The largest amendment on the expenditure side is for the increase in the dispatch lobby project. As with the previous amendments, many are directly due to COVID-19 and the shut downs that occurred in every City building. In total, the expenditures are budgeted to decrease $23,530. The net decrease in budget deficit is $118,830.

As the spreadsheet shows, our General Fund reserve balance would end the year at $4,740,830, if revenue and expenditure amounts match their amended amounts.

The other fund budget amendments show that we would end the year with a surplus in our Major Street Fund ending the year at $2,126,463. Our Local Street Fund would have a decrease in our estimated deficit of $750 for an estimated annual deficit of $317,533. This would leave our year-end fund balance in Local Streets of $694,669.

Our proposed amendments to the Water & Sewer Fund have large projects amended out of this fiscal year and they will be rolled into the 2021-2022 budget in August 2021. These amendments would decrease the annual budget deficit to ($861,999). The estimated Retained Earnings at 6/30/2021 in Water & Sewer would be $16,820,615.

For our Recreation Revolving Fund we continue to have many uncertainties due to COVID-19, but Theresa gave me some estimated revenues from partial Summer Camp and other activities that were allowed to resume on a smaller scale. Although we did not adjust all of the programs to zero, most of the smaller programs will net to zero, so we left them in the budget without amending them. The grant for $180,000 will not be received prior to June 30th, but will eventually be received. We will be able to submit for lost revenues as a part of our ARP Federal funds, so we will be able to offset many of the lost revenues.
programs. The estimated fund balance deficit would be $994,905. This would leave a deficit fund balance, but we will adjust the transfer from the General Fund to make sure the Recreation Revolving Fund does not end in a deficit fund balance.

On the spreadsheet, each fund has the summary of fund balance impact on the bottom of each fund’s proposed budget amendments. I recommend that City Council approve all of these budget amendments as presented.
<table>
<thead>
<tr>
<th>Department</th>
<th>Account Name</th>
<th>Original Budget</th>
<th>Reason For Amendment</th>
<th>Increase/Decrease</th>
<th>Amended Budget</th>
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</thead>
<tbody>
<tr>
<td>Dept 122 - CITY MANAGER</td>
<td>FULL TIME EMPLOYEES</td>
<td>$149,023</td>
<td>Additional FT Wages not Budgeted</td>
<td>$4,977</td>
<td>$154,000</td>
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<td>Dept 215 - TREASURY</td>
<td>FICA</td>
<td>$7,088</td>
<td>Added FICA due to Payroll 2020</td>
<td>$292</td>
<td>$7,380</td>
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<td>Dept 265 - CITY HALL</td>
<td>CONTRACTUAL SERVICES</td>
<td>$35,000</td>
<td>Ballot Proposal Postponed</td>
<td>$35,000</td>
<td>$70,000</td>
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<td>Dept 270 - CORONAVIRUS EXPENSE TRACKING</td>
<td>CORONAVIRUS EXPENSES</td>
<td>$35,000</td>
<td>Additional COVID-19 Expenses</td>
<td>$7,000</td>
<td>$42,000</td>
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<tr>
<td>Dept 306 - DISPATCHERS/SERVICE AIDES</td>
<td>FULL TIME EMPLOYEES</td>
<td>$349,988</td>
<td>New Dispatchers Added During the Year</td>
<td>$39,988</td>
<td>$410,000</td>
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<td>Dept 101 - ANIMAL CONTROL</td>
<td>PART TIME EMPLOYEES</td>
<td>$9,178</td>
<td>Additional PT Assistance Postponed</td>
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<td>Dept 510 - PUBLIC SAFETY OPERATIONS</td>
<td>HOLIDAY / PERSONAL DAYS</td>
<td>$88,600</td>
<td>Additional Accumulation of Leave Purchased</td>
<td>$3,400</td>
<td>$92,000</td>
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<td>Dept 511 - COMMUNICATIONS</td>
<td>CONTRACTUAL SERVICES</td>
<td>$20,000</td>
<td>HRC Reduced Projects</td>
<td>$(3,000)</td>
<td>$17,000</td>
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<td>Dept 542 - PUBLIC WORKS GARAGE</td>
<td>FULL TIME EMPLOYEES</td>
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<td>Postponed Additional FT Assistance</td>
<td>$(37,573)</td>
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<td>Dept 738 - LIBRARY</td>
<td>BUILDING MAINTENANCE</td>
<td>$15,600</td>
<td>Postponed Maintenance Due to COVID-19</td>
<td>$(3,600)</td>
<td>$12,000</td>
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<td>Dept 750 - COMMUNICATIONS</td>
<td>CONTRACTUAL SERVICES</td>
<td>$5,500</td>
<td>Additional Expenditures</td>
<td>$2,000</td>
<td>$7,500</td>
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<tr>
<td>101-001-477-000 LANDLORD LICENSES</td>
<td>100,100 Addition of Licenses and Inspections</td>
<td>$(29,000)</td>
<td>120,000</td>
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<tr>
<td>101-001-481-000 PLUMBING PERMITS</td>
<td>93,000 COVID-19 Decrease in Inspections</td>
<td>$(30,000)</td>
<td>63,000</td>
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<td>101-001-526-000 OTHER FEDERAL GRANTS</td>
<td>820,000 Additional Federal Grants through State/Country</td>
<td>$(37,000)</td>
<td>783,000</td>
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<td>101-001-573-000 LOCAL COMMUNITY STABILIZATION SHARE-PPT</td>
<td>40,600 Additional Pers Prop Reimbursed</td>
<td>$(13,400)</td>
<td>27,200</td>
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<td>101-001-669-000 EQUIPMENT RENTAL</td>
<td>228,000 Additional DPW Usage of Equipment</td>
<td>$(22,000)</td>
<td>250,000</td>
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<td>101-001-670-040 ELECTION REIMBURSEMENT</td>
<td>Election Reimbursement</td>
<td>$(5,000)</td>
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<td>101-001-675-502 K9 PROGRAM DONATIONS</td>
<td>30,000 Additional Donations</td>
<td>$(20,000)</td>
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<td>101-001-675-104 GOLF OUTING DONATIONS</td>
<td>25,000 Reduced Donations Due to COVID-19</td>
<td>$(10,000)</td>
<td>15,000</td>
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Net Revenue Increased Budget $ (95,300)
<table>
<thead>
<tr>
<th>Department</th>
<th>Account Name</th>
<th>2020-2021 Original Budget</th>
<th>Description</th>
<th>Increase/(Decrease) Amendment Amt</th>
<th>2020-2021 Amended Budget</th>
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<tbody>
<tr>
<td>Dept 755  - INFORMATION TECHNOLOGY</td>
<td>EQUIPMENT SUPPLIES</td>
<td>$ 8,000</td>
<td>Additional Expenditures</td>
<td>$ 2,700</td>
<td>$ 10,700</td>
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<td>Dept 755  - INFORMATION TECHNOLOGY</td>
<td>PROFESSIONAL DEVELOPMENT</td>
<td>$ 6,000</td>
<td>Unspent due to COVID-19</td>
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<td>$(3,300)</td>
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<td>Dept 952  - ACTIVE EMPLOYEE BENEFITS</td>
<td>HEALTH CARE COSTS - BC/BS</td>
<td>$ 650,800</td>
<td>Additional Costs Due to Elective Procedures</td>
<td>$ 99,200</td>
<td>$ 750,000</td>
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<td>Dept 954  - BENEFITS-MERS RETIREES</td>
<td>HEALTH CARE COSTS - BC/BS</td>
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<td>Additional Costs Due to Elective Procedures</td>
<td>$(4,100)</td>
<td>$(150,000)</td>
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<td>Dept 954  - BENEFITS-MERS RETIREES</td>
<td>PENSION EXPENSE - GENERAL GOVERNMENT</td>
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<td>Increases Due to Extra Pension Contrib</td>
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<td>$(650,000)</td>
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<td>Dept 954  - BENEFITS-MERS RETIREES</td>
<td>PENSION EXPENSE - MERS RETIREMENT-DPW</td>
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<td>Increases Due to Extra Pension Contrib</td>
<td>$(8,000)</td>
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<td>Dept 955  - PSO PENSION SYSTEM</td>
<td>HEALTH CARE COSTS - BC/BS</td>
<td>$ 225,000</td>
<td>Lower Cost for Retiree Health</td>
<td>$(90,000)</td>
<td>$(135,000)</td>
</tr>
<tr>
<td>Dept 955  - PSO PENSION SYSTEM</td>
<td>HEALTH BENEFITS-MERS-RHFV RETIREES</td>
<td>$ 80,000</td>
<td>Move a Portion to Pension</td>
<td>$(30,000)</td>
<td>$(50,000)</td>
</tr>
<tr>
<td>Dept 955  - PSO PENSION SYSTEM</td>
<td>RETIREMENT-OBF PSO PENSION</td>
<td>$ 1,103,500</td>
<td>Increases Due to Extra Pension Contrib</td>
<td>$(100,000)</td>
<td>$(1,213,500)</td>
</tr>
</tbody>
</table>

**General Fund Totals**

<table>
<thead>
<tr>
<th>2020-2021 Increase/(Decrease)</th>
<th>2020-2021 Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 2,126,463</td>
<td>$ 4,998,740</td>
</tr>
</tbody>
</table>

**Beginning GF Fund Balance 7/1/2020**

<table>
<thead>
<tr>
<th>2020-2021 Increase/(Decrease)</th>
<th>2020-2021 Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 4,970,830</td>
<td>$(23,530) $ 4,975,210</td>
</tr>
</tbody>
</table>

**Estimated Ending GF BF 6/30/2021**

<table>
<thead>
<tr>
<th>2020-2021 Increase/(Decrease)</th>
<th>2020-2021 Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 6,460,972</td>
<td>$(1,838,972) $ 4,622,000</td>
</tr>
</tbody>
</table>

**FUND 202-MAJOR STREETS**

<table>
<thead>
<tr>
<th>Department</th>
<th>Account Name</th>
<th>2020-2021 Original Budget</th>
<th>Description</th>
<th>Increase/(Decrease) Amendment Amt</th>
<th>2020-2021 Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept 466  - STREET SWEEPING</td>
<td>EQUIPMENT RENTAL</td>
<td>$ 18,450</td>
<td>Additional Equip Rental</td>
<td>$ 4,000</td>
<td>$ 22,450</td>
</tr>
<tr>
<td>Dept 468  - STREET TREES</td>
<td>EQUIPMENT RENTAL</td>
<td>$ 1,050</td>
<td>Additional Equip Rental</td>
<td>$ 200</td>
<td>$ 1,250</td>
</tr>
<tr>
<td>Dept 471  - GRASS AND WEEDS</td>
<td>EQUIPMENT RENTAL</td>
<td>$ 1,425</td>
<td>Additional Equip Rental</td>
<td>$ 275</td>
<td>$ 1,700</td>
</tr>
<tr>
<td>Dept 475  - STREET SIGNS</td>
<td>PROGRAM SUPPLIES</td>
<td>$ 5,800</td>
<td>Additional Expenditures</td>
<td>$ 700</td>
<td>$ 6,500</td>
</tr>
<tr>
<td>Dept 478  - WINTER MAINTENANCE</td>
<td>PROGRAM SUPPLIES</td>
<td>$ 63,350</td>
<td>Decrease in Winter Supplies</td>
<td>$(19,350)</td>
<td>$(44,000)</td>
</tr>
</tbody>
</table>

**Major Streets Totals**

<table>
<thead>
<tr>
<th>2020-2021 Increase/(Decrease)</th>
<th>2020-2021 Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 90,075</td>
<td>$(14,175) $ 94,250</td>
</tr>
</tbody>
</table>

**Local Streets Totals**

<table>
<thead>
<tr>
<th>2020-2021 Increase/(Decrease)</th>
<th>2020-2021 Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 83,500</td>
<td>$(750) $ 82,750</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Account Name</th>
<th>2020-2021 Original Budget</th>
<th>Description</th>
<th>Increase/(Decrease) Amendment Amt</th>
<th>2020-2021 Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept 536  - WATER &amp; SEWER SERVICE</td>
<td>CUSTODIAL</td>
<td>$ 3,210</td>
<td>Additional Equipment Rental</td>
<td>$ 990</td>
<td>$ 4,200</td>
</tr>
<tr>
<td>Dept 536  - WATER &amp; SEWER SERVICE</td>
<td>DPW CONTRACTUAL</td>
<td>$ 36,000</td>
<td>Additional Road Concrete from Water Main</td>
<td>$ 10,000</td>
<td>$ 46,000</td>
</tr>
<tr>
<td>Dept 536  - WATER &amp; SEWER SERVICE</td>
<td>CONSTRUCTION</td>
<td>$ 1,500,000</td>
<td>Water Main Project Moved to 2021-2022</td>
<td>$(1,500,000)</td>
<td>$(0,000)</td>
</tr>
<tr>
<td>Dept 536  - WATER &amp; SEWER SERVICE</td>
<td>BUILDING IMPROVEMENTS</td>
<td>$ 462,000</td>
<td>EPWP Improvements Postponed due to Bids</td>
<td>$(400,000)</td>
<td>$(62,000)</td>
</tr>
<tr>
<td>Dept 536  - WATER &amp; SEWER SERVICE</td>
<td>CONCRETE REPAIR</td>
<td>$ 250,000</td>
<td>Additional Road Repair</td>
<td>$ 40,000</td>
<td>$ 290,000</td>
</tr>
<tr>
<td>Dept 537  - STORM SEWER SYSTEM</td>
<td>OVERTIME</td>
<td>$ 20,000</td>
<td>Additional Uniform replacements</td>
<td>$ 4,000</td>
<td>$ 24,000</td>
</tr>
<tr>
<td>Dept 537  - STORM SEWER SYSTEM</td>
<td>LEGAL SERVICES</td>
<td>-</td>
<td>Settlement Flooding Lawsuit</td>
<td>$ 329,400</td>
<td>$ 329,400</td>
</tr>
<tr>
<td>Dept 952  - ACTIVE EMPLOYEE BENEFITS</td>
<td>DENTAL/VISION/LIFE-LTD/RHCS</td>
<td>$ 180,445</td>
<td>Error on Budget Input Amount</td>
<td>$(170,445)</td>
<td>$(10,000)</td>
</tr>
</tbody>
</table>
### 2020-2021 Increase/(Decrease)

<table>
<thead>
<tr>
<th>Account Name</th>
<th>Description</th>
<th>Original Budget</th>
<th>Additional Health Care Cost</th>
<th>Amendment Amt</th>
<th>Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH CARE COSTS - BC/BS</td>
<td>$165,000</td>
<td>$10,000</td>
<td>$170,000</td>
<td>$1,686,055</td>
<td>$861,999</td>
</tr>
</tbody>
</table>

### Water & Sewer Total

<table>
<thead>
<tr>
<th>Description</th>
<th>Original Estimated Budget Deficit 6/30/2021</th>
<th>Amended Net Budget Revenues</th>
<th>Amended Net Decrease in Budget Deficit 6/30/2021</th>
<th>Estimated Ending SW FB 6/30/2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>$17,682,614</td>
<td>$1,686,055</td>
<td>$861,999</td>
<td>$1,686,055</td>
<td>$16,870,655</td>
</tr>
</tbody>
</table>

### Fund 614 - RECREATION REVENUES

<table>
<thead>
<tr>
<th>Department</th>
<th>Account Name</th>
<th>Original Budget</th>
<th>Increase/(Decrease)</th>
<th>Amendment Amt</th>
<th>Amended Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE GRANTS</td>
<td>$180,000</td>
<td>Grant Will Be Received in 2021-2022</td>
<td>$180,000</td>
<td>$180,000</td>
<td>$180,000</td>
</tr>
<tr>
<td>YOUTH CAMP</td>
<td>$170,000</td>
<td>Reduced Due to COVID-19</td>
<td>$67,000</td>
<td>$103,000</td>
<td></td>
</tr>
<tr>
<td>WOMENS SOFTBALL</td>
<td>$6,000</td>
<td>Reduced Due to COVID-19</td>
<td>$1,000</td>
<td>$7,000</td>
<td></td>
</tr>
<tr>
<td>TENNIS CONTRACT</td>
<td>$6,000</td>
<td>Reduced Due to COVID-19</td>
<td>$600</td>
<td>$6,600</td>
<td></td>
</tr>
<tr>
<td>COMMUNITY CENTER USE</td>
<td>$21,000</td>
<td>Reduced Due to COVID-19</td>
<td>$22,400</td>
<td>$600</td>
<td></td>
</tr>
<tr>
<td>DISCOUNT AGREEMENT PARK TICKETS</td>
<td>$100</td>
<td>Cancelled Due to COVID-19</td>
<td>$100</td>
<td>$0</td>
<td></td>
</tr>
<tr>
<td>DREAM CRUISE</td>
<td>$80,000</td>
<td>Cancelled Due to COVID-19</td>
<td>$80,000</td>
<td>$0</td>
<td></td>
</tr>
<tr>
<td>MISCELLANEOUS PROGRAMS</td>
<td>$85,000</td>
<td>Reduced Due to COVID-19</td>
<td>$60,000</td>
<td>$25,000</td>
<td></td>
</tr>
<tr>
<td>INVESTMENT EARNINGS</td>
<td>$7,446</td>
<td>Reduced Due to COVID-19</td>
<td>$6,446</td>
<td>$1,000</td>
<td></td>
</tr>
<tr>
<td>SUNDRY REVENUE</td>
<td>$ -</td>
<td>Added Revenue Unbudgeted</td>
<td>$150</td>
<td>$150</td>
<td></td>
</tr>
<tr>
<td>PARK RENTALS</td>
<td>$3,500</td>
<td>Reduced Due to COVID-19</td>
<td>$2,000</td>
<td>$1,500</td>
<td></td>
</tr>
</tbody>
</table>

### Net Decrease in Budgeted Revenue

<table>
<thead>
<tr>
<th>Budget Amendments June 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>$418,476</td>
</tr>
<tr>
<td>Department</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Amended Budget Deficit 6/30/2021

$ (994,905)