

MEETING DATE
2-16-21

CITY OF LAKE CITY

Report to Council

COUNCIL AGENDA	
SECTION	
ITEM NO.	

SUBJECT: Edward Byrne Memorial Justice Assistance Grant FY2020
Local Solicitation Grant 2020-JAGC-COLU-1-5R-129

DEPT / OFFICE: Police

Originator: Chief Argatha Gilmore *AG*

City Manager Joseph Helfenberger	Department Director Chief Argatha Gilmore	Date 2-8-21
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Recommended Action: Approve to accept and spend funds granted to the Lake City Police Department under the Edward Byrne Memorial Justice Assistance Grant FY 2020 in the amount of \$45,234.00 to replace current 40 caliber Smith & Wesson(S&W) model M&P 40 caliber with S&W M&P2.0 .9mm firearms.

Summary Explanation & Background:

These Grant funds will be used to purchase replacement firearms. Current duty-issued handguns are approaching 12 years in service (as of August 2021). 10 years is the industry standard. These firearms are showing an increased number of malfunctions when being used and need to be replaced for each sworn officer's safety as well as the safety of citizens. The new S&W M&P 2.0 9mm have been improved structurally and are guaranteed to perform more accurately under the same conditions as the S&W M&P's that are currently in service.

SSD International Quote:

53 duty hand guns: S&W M&P 9MM	\$ 375.00	\$19,875.00
53 duty hand guns: S&W M&P40 Trade-in	\$- 200.00	- 10,600.00
13 S&W 9MM mags	\$ 350.00	4,550.00
13 S&W M&P 40 mags Trade-in	- 200.00	- 2,600.00
3 Glock 27 mags Trade-in	-250.00	- 750.00
Accessories: 53 Holsters & Trijicon sights	\$ 530.50	\$28,116.50
	SUB-TOTAL	\$38,951.50

Purchase of Ammo	\$ 6,642.50
	TOTAL \$45,234.00

Total Award: \$45,234.00

Alternatives: For current weapons: increased cost of on-going maintenance (this model no longer in production); increased cost of ammunition; decreased trade-in value. If this Grant is not approved to accept and spend funds, the weapons will need to be replaced in our Budget FY 22.

Source of Funds:
Grant/General Fund

Financial Impact:

\$45,234.00 Grant Amount. If purchase exceeds Grant, expenses will be paid from the Lake City Police Department general fund.

Exhibits Attached:

- Staff Summary
- JAG Grant Acceptance of Federal Funding Assistance form
- SSD International Quote for Purchase of 53 weapons including accessories and allowing for trade-ins



LAKE CITY POLICE DEPARTMENT



Staff Summary

Subject: New Firearms				Date: August 15, 2019	
Submitted by: Sgt. J. Byrd, Sgt. R. Milligan, Sgt. K. Heston				Phone Number: 386-752-4344	
Task Assignment Number:				Suspense Date:	
TO	CHECK ACTION	CONCUR	DISAGREE	SIGNATURE	DATE
Lt. Miles	<input checked="" type="checkbox"/> Reviewed <input type="checkbox"/> Comment Attached	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Lt. Andy Miles</i>	8/5/19
Lt. VanBennekom	<input checked="" type="checkbox"/> Reviewed <input type="checkbox"/> Comment Attached	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Sgt. J. Byrd</i>	8-15-19
Asst. Chief Butler	<input type="checkbox"/> Reviewed <input checked="" type="checkbox"/> Comment Attached	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Asst. Chief Butler</i>	8/23/19
Chief Gilmore	<input checked="" type="checkbox"/> Reviewed <input type="checkbox"/> Comment Attached	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Chief Gilmore</i>	9/9/19
	<input type="checkbox"/> Reviewed <input type="checkbox"/> Comment Attached	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/> Reviewed <input type="checkbox"/> Comment Attached	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/> Reviewed <input type="checkbox"/> Comment Attached	<input type="checkbox"/>	<input type="checkbox"/>		

Summary:

This staff summary is in reference to replacing the current .40 caliber Smith & Wesson M&P duty issued handguns. In September of this year our current handguns will be ten years old. We are starting to have minor issues with these firearms related to age and wear.

There have been numerous studies conducted on the different calibers of handguns utilized by Law Enforcement and ballistics have shown that .9mm caliber handguns have performed equally with the .40 caliber handguns. Currently there are younger people getting into the Law Enforcement field with minimal experience in using handguns.

The .9mm platform could help alleviate some of the issues currently experienced with the .40 caliber handgun. The .40 caliber handgun that is currently utilized has a sharper recoil than the .9mm, which results in slower target acquisition on critical follow-up shots when necessary. The increased recoil of the .40 caliber also results in less accurate shot placement, as it causes for more variation in movement of the gun. While performance is expected to improve across the board among all of the departments members, in individual cases where officer's may have less physical strength or smaller hands, the reduced recoil will likely have a significant impact on improving overall function and accuracy.

Additionally, the .40 caliber has lower capacity magazines then it's counterpart in the .9mm. The current capacity of the duty-issued handguns is 15 rounds per magazine. The .9mm model has a capacity of 17 rounds per magazine, which is a total of 6 extra rounds per officer.

We can expect faster and more accurate shot strings, higher magazine capacities and all the terminal performance from the .9mm compared to the .40 caliber.

On April 18, 2019 Sgt. Robert Milligan and Sgt. Byrd attended an FBI Protocol wound ballistic workshop where our current Speer Gold Dot 165 grain .40 caliber ammunition achieved 13.75 inches of penetration in the bare gelatin block and 11.50 inches of penetration when shot through automobile glass into the gelatin block. The Speer Gold Dot .9mm ammunition 147 grain achieved 13.75 inches on penetration in the bare gelatin block and 9.75 inches of penetration when shot through automobile glass into the gelatin block.

The cost of on-going maintenance for our current firearms is also a consideration. At the beginning of the 2018 fiscal year it was observed that the issued handguns were having more frequent malfunctions. This was determined to be due to worn and aging components. The amount of \$427.38 was spent to restore the firearms to a reliable operational status. While the maintenance provided did make the firearms attain a reliable operational status, it did not address all of the issues. As you are aware, as of September 2019 our S&W M&P .40 caliber handguns will have been in-service for ten years. Most agencies replace the issued side arms at the ten-year mark. Contact was made with the regional Smith and Wesson representative in reference to the up-coming necessary maintenance. The following is a break-down of the maintenance that must occur at the ten-year mark to restore the firearms to full operational level:

Night Sights - \$75.00 (A majority of our side arms have greatly reduced or no night-sight capability)

Spring Kit - \$20.00 (Replace at 10 years or 10,000 rounds)

Trigger Bar - \$8.00 (recommend replace at 10,000 rounds or 10 years)

Striker Assembly - \$15

Cost - \$118.00 per gun (approximately)

Total Cost - \$ 7,788.00

If we choose to restore our current firearms in the end, we still will have a ten-year-old firearm with new parts, and the money spent on restoration could be invested toward the purchase of new firearms.

Each year that we prolong the replacement of our current firearms, the trade in value will continue to diminish. The trade-in value is factored in to the off-set of the purchase price of new firearms, which will further incur a greater financial obligation of new firearms by our department when a purchase is made.

Recently, during the bi-annual firearms training, several firearms were made available for testing to firearms instructors as well as other officer's in the department. All of the participants were asked to pick up and fire each of the firearms that were present. The weapons present were the Sig Sauer Model 320 .9mm, the Glock Model 17 .9mm, the Smith & Wesson M&P 2.0 .9mm as well as the current issued Smith & Wesson M&P .40 caliber.

Without identifying the firearms being tested, each participant was asked to rate each of the firearms. The Smith and Wesson M&P 2.0 .9mm was the handgun that was most often picked as the preferred firearm.

Another consideration when making the decision to move to the .9mm from the 40 caliber platform is the operating cost. Specifically, training ammunition currently has a cost of \$220.00 per case. The equivalent .9mm training ammunition is currently priced at \$174.00 per case. This is a savings of \$46.00 per case. Duty ammunition for the .40 caliber has a cost of \$364.90 per case. The equivalent .9mm duty ammunition is currently priced at \$338.00 per case. This is a savings of \$27.90 per case.

The new Smith and Wesson M&P 2.0 has been improved structurally and is guaranteed to perform more accurately under the same conditions than the Smith and Wesson M&P'S that are currently in service.

Purpose/Problem:

The purpose of this summary is to replace our current duty issued handguns which we will have had for ten years as of September 2019. The second purpose of this summary is to change from the current .40 caliber handguns to the .9mm handguns.



1349 South Orange Blossom Trail, Apopka, FL 32703 • Tel. 407.410.6914 • Fax. 407.410.6912

SALES QUOTATION

QUOTED BY:

Brad Ryan
Account Manager
SSD International Inc.

DATE: 02/05/2021

QUOTE: LAKECITYPD-BR07

SELL TO:

Lake City Police Department
225 NW Main Blvd. Suite #102
Lake City, FL 32055
(386) 752-4344

SHIP TO:

Lake City Police Department
Attn: Robert Milligan
225 NW Main Blvd. Suite #102
Lake City, FL 32055
(386) 752-4344

ITEM #	DESCRIPTION	QTY	PRICE	TOTAL
12660	S&W M&P M2.0 CORE 9MM 4.25" 17RD BLK 3 MAGS	53	\$375.00	\$19,875.00
11679	S&W M&P M2.0 9MM 3.6" 15RD BLK 3 MAGS	13	\$350.00	\$4,550.00
TRADE	S&W M&P40 40SW 4.25" 15RD BLK 3 MAGS	-53	-\$200.00	-\$10,600.00
TRADE	S&W M&P40C 40SW 3.5" 10RD BLK 3 MAGS	-13	-\$200.00	-\$2,600.00
TRADE	GLOCK 27 40SW 10RD BLK 3 MAGS	-3	-\$250.00	-\$750.00
6360RDS-2222-131	Safariland 6360RDS ALS®/SLS Mid-Ride, Level III Retention™ Duty Holster for S&W M&P M2.0 9mm w/ RMR and Weapon Light STX Tactical Blk	53	\$120.50	\$6,386.50
RM01-C-700600	Trijicon, RMR, Type 2, 3.25 MOA, Black Matte Finish	53	\$410.00	\$21,730.00
SHIP	SHIPPING	1	\$0.00	\$0.00
			TOTAL	\$38,591.50

TERMS AND CONDITIONS

Prices are in US Dollars.

Quotes are valid for 30 days. Prices subject to change after 30 days.

Payment Terms: Purchase Order, payable within 30 days of delivery.

Returns: All returns and cancelled orders are subject to a 25% restocking fee. Return shipments require an RA number before products can be shipped back to manufacturer or SSD.

Shipment Terms: Delivery to agency. Orders under \$5,000.00 will be subject to freight charges.

Estimated time to shipping: 90-120 days after receipt of signed purchase order