



**CITY OF PLANO
COUNCIL AGENDA ITEM**

CITY SECRETARY'S USE ONLY				
<input type="checkbox"/> Consent <input type="checkbox"/> Regular <input type="checkbox"/> Statutory				
Council Meeting Date:		09/26/16		
Department:	Police			
Department Head	Gregory W. Rushin			
Agenda Coordinator (include phone #): Lincoln Thompson (Ext. 7376)				
CAPTION				
To approve an expenditure for a ParaDNA preliminary DNA screening device in the amount of \$95,545 from Foster and Freeman USA Inc. for the Police Department and authorizing the City Manager to execute all necessary documents.				
FINANCIAL SUMMARY				
<input type="checkbox"/> NOT APPLICABLE <input checked="" type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input type="checkbox"/> CIP				
FISCAL YEAR: 2015-16	Prior Year (CIP Only)	Current Year	Future Years	TOTALS
Budget	0	280,000	0	280,000
Encumbered/Expended Amount	0	-112,779	0	-112,779
This Item	0	-95,545	0	-95,545
BALANCE	0	71,676	0	71,676
FUND(S): Criminal Investigation Fund				
COMMENTS: Funds are available in the Criminal Investigation Fund for the purchase of a DNA screening unit and supplies for the Plano Police Department. The remaining balance of these funds will be used for other equipment aligned with PPD's current operations. STRATEGIC PLAN GOAL(S): Providing a DNA screening unit and supplies for the Plano Police Department relates to the City's Goals of a Financially Strong City with Service Excellence and a Safe Large City.				
SUMMARY OF ITEM				
The City is exempt from the competitive bid process for this purchase as allowed by Local Government Code Chapter 252 Subchapter B Section 252.022(a)(7)(A). (City of Plano Internal Contract No. 2016-0015-X) See Recommendation Memo.				
List of Supporting Documents: Recommendation Memo		Other Departments, Boards, Commissions or Agencies NA		



Memorandum

Date: August 22, 2016
To: Mark Israelson, Deputy City Manager
From: Gregory W. Rushin, Chief of Police *grushin*
Subject: Police Department Lab-based DNA Screening Unit

The Police Department is seeking to acquire a preliminary DNA screening device called ParaDNA. It was developed by LGC, a UK company providing forensic products and services. Their ParaDNA instrument is the only one we are aware of that can provide us with the following capabilities:

1. Screen collected samples for presence of DNA, using the Screening Test, prior to sending to a forensic DNA laboratory using an extremely small portion of the collected sample
2. Offer very simple sampling technique that is very user-friendly and can be used anywhere by a wide variety of operators
3. Using the Intelligence Test, produce a high accuracy DNA profile at 5 STR loci and the gender determination locus, Amelogenin, that will typically produce one in one million match probabilities
4. Enable quick triaging of many samples in large crime scenes or mass disasters
5. Produce data on instrument in 75 minutes

Use of this instrument will actually end up saving the Department money, since we will be able to select optimal samples to send to outside labs rather than simply sending them at a cost of \$700/sample. Our screening cost will typically be \$50-75/sample. Additionally, use of the instrument should provide CSI criminalists with information that will improve their sampling techniques and provide more information to detectives for solving crimes.

In order to implement use of the ParaDNA unit, LGC's sole U.S. distributor, Foster and Freeman USA Inc., would provide instructional sessions to our Criminalists and Criminalist Supervisors on use of the technology.

It is the recommendation of the Police Department to purchase a ParaDNA preliminary DNA screening device for a total expenditure of \$95,545.00 to be awarded to Foster and Freeman USA Inc., the authorized distributor of the sole source manufacturer, LGC. Failure to acquire this lab-based DNA screening unit would likely result in outside lab costs for invalid DNA samples and negatively impact our ability to provide outstanding police services to the citizens of Plano.