#/60299

# VILLAGE OF LOMBARD REQUEST FOR BOARD OF TRUSTEES ACTION For Inclusion on Board Agenda

Reco	lution or Ordinance (Blue) Waiver of First Requested mmendations of Boards, Commissions & Committees (Green) Business (Pink)
то :	PRESIDENT AND BOARD OF TRUSTEES
FROM:	Scott R. Niehaus, Village Manager
DATE :	June 28, 2016 B of T: July 21, 2016
SUBJECT: DuPage Judi	A Resolution Authorizing the Execution of a Letter of Intent to Participate in the cial Information System (DUJIS).
SUBMITTED	BY: Raymond J. Byrne, Chief of Police
sign a letter of System (DuJ records mana	IND/POLICY IMPLICATIONS: This resolution authorizes the Village President to of intent to participate in the countywide CAD / RMS Dupage Judicial Information IS). This is a comprehensive undertaking to provide a uniform dispatching and agement system to all law enforcement and fire agencies in the County. It will also less to the much larger database by all participants.
Fiscal Impa	ct/Funding Source: None.
Review (as n Finance Dire Village Mana	ctor Date

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda distribution.



### LOMBARD POLICE DEPARTMENT



Date: June 28, 2016

To: Scott R. Niehaus

Village Manager

From: Raymond J. Byrne

Chief of Police

Re: DuPage County Justice Information System (DuJIS)

Letter of Intent

Approximately three years ago, several criminal justice entities in DuPage County undertook an effort to explore the possibility of a countywide records management system. At the time, most police agencies used a variety of different software programs from several different vendors. Additionally, there was no easy, seamless way to share the information and data contained in the many systems. Although a huge undertaking, a countywide approach to records management was viewed as the most efficient way to approach any improvements. Accordingly, a concerted effort was begun to bring many entities together to explore a solution. This included the Dupage County Chiefs of Police Association, DuPage County, DuPage County State's Attorney's Office, the Emergency Telephone System Board (ETSB), and the DuPage County Sheriff amongst others.

After extensively reviewing the products of several vendors, the ETSB and the County are prepared to execute a contract with Intergraph for the purchase of a countywide computer aided dispatch (CAD) and records management system (RMS). This is estimated to be a \$12 million dollar project. The ETSB will pay for the CAD component and front the costs for the RMS component. Agencies participating in the RMS component will reimburse their costs on a per user basis per the attached spreadsheets. The more users participating in the program helps to reduce costs. As of right now, informal discussions seem to indicate only one municipality in Dupage County not participating. Of course, if other agencies were to drop out, per cost shares would go up. However, if agency costs were to increase by more than 10%, agencies that have agreed to participate will be notified and can re-evaluate participation. All of the cost estimates prepared by the ETSB are on the high side, so actual costs may prove to be lower.

In order to firm up participation, we have been asked to formalize our intent to participate in DuJIS. Attached to this correspondence is a resolution authorizing the Village President to sign a Letter of Intent to participate in the DuJIS initiative. The police and fire departments are in support of this initiative. DuJIS represents a rare opportunity to combine increased buying power with many users that will result in greater sharing of uniform data across the county. Additionally, a large portion of the costs will be paid for by the ETSB. The ETSB has also built in to the program maintenance and replacement

costs, so the initiative will have sustainability. DuJIS is a fully integrated system that will eliminate duplicative data entry. In watching this initiative gain momentum over the last three years, it appears to be well thought out and carefully researched to benefit everyone in emergency services. This appears to represent an excellent opportunity to improve on service delivery and information sharing. If you should have any questions, or would like additional information, please do not hesitate to contact me.

### RESOLUTION R

### A RESOLUTION AUTHORIZING THE EXECUTION OF A LETTER OF INTENT TO PARTICPATE IN THE DUPAGE JUDICIAL INFORMATION SYSTEM (DUJIS)

WHEREAS, the County of DuPage, Illinois in collaboration with its Emergency Telephone System Board (ETSB), is prepared to implement an integrated justice system known as DuJIS which will allow participating police and fire departments to exchange information with and between the County's court and correctional entities; and

WHEREAS, the County intends DuJIS will replace the ETSB's existing Computer Aided Dispatch (CAD) system; and

WHEREAS, the County intends DuJIS will replace the existing incident Report Management System (RMS) used throughout the County; and

WHEREAS, the Village of Lombard has reviewed materials prepared by the ETSB which detail DuJIS's estimated costs, organization, and functionality, and such documents are incorporated in this resolution as if fully set forth herein; and

WHEREAS, the Village of Lombard desires to participate in the DuJIS System.

NOW THEREFORE BE IT RESOLVED THAT the Village President shall be and hereby is directed to execute the attached Letter of Intent directed to the State's Attorney and the Chairman of the ETSB; and further

BE IT RESOLVED, that the Village Clerk shall transmit copies of this Resolution to the State's Attorney and the Chairman of the Emergency Telephone System Board forthwith; and further

BE IT RESOLVED, that the Village President is authorized to withdraw the Letter of Intent if the ETSB determines that the estimated cost to the Village of Lombard will increase by more than ten (10) percent beyond the projection supplied by the ETSB;

RESOLUTION R	Page 2
Adopted this day of	, 2016.
Ayes:	
Nays:	
Absent:	
Approved this day of	, 2016.
Keith Giagnorio Village President	
ATTEST:	
Sharon Kuderna Village Clerk	



### VILLAGE OF LOMBARD

255 E. Wilson Ave. Lombard, Illinois 60148-3926 (630) 620-5700 Fax (630) 620-8222 www.yillageoflombard.org

July 21, 2016

Village President Keith T. Giagnorio

Village Clerk Sharon Kuderna

#### Trustees

Dan Whittington, Dist. 1 Michael A. Fugiel, Dist. 2 Reid Foltyniewicz, Dist. 3 Bill T. Johnston, Dist. 4 Robyn Pike, Dist. 5 William "Bill" Ware, Dist. 6

Village Manager Scott R. Niehaus

"Our shared Vision for Lombard is a community of excellence exemplified by its government working together with residents and businesses to create a distinctive sense of spirit and an outstanding quality of life."

"The Mission of the Village of Lombard is to provide superior and responsive governmental services to the people of Lombard." Hon. Robert B. Berlin DuPage County State's Attorney 503 N. County Farm Road Wheaton, Illinois 60187

Hon. Gary Grasso, Chairman Emergency Telephone System Board (ETSB) 421 N. County Farm Road Wheaton, Illinois 60187

Dear State's Attorney Berlin and Chairman Grasso:

This letter is to confirm the intention of the Village Board of the Village of Lombard to participate in the DuPage County Judicial Information System (DuJIS). I am advising you that the Village Board authorized me to execute the letter on its behalf in accordance with the resolution which I have attached. The Village Board makes this representation after its review of the following documents provided by the ETSB on July 21, 2016 and which were incorporated in the resolution:

- Letter of Intent
- Organizational Structure
- Financial Overview (to date)
- Agency Estimated Costs (to date)
- Report Management System (RMS) Staffing Overview
- Additional Costs Summary
- GIS Work Flow and Addressing Ordinance



### VILLAGE OF LOMBARD

255 E. Wilson Ave. Lombard, Illinois 60148-3926 (630) 620-5700 Fax (630) 620-8222 www.villageoflombard.org

Page 2

Village President Keith T. Giagnorio

Village Clerk Sharon Kuderna

#### Trustees

Dan Whittington, Dist. 1 Michael A. Fugiel, Dist. 2 Reid Foltyniewicz, Dist. 3 Bill T. Johnston, Dist. 4 Robyn Pike, Dist. 5 William "Bill" Ware, Dist. 6 Sincerely,

The Village Board understands and acknowledges that the ETSB will rely on this commitment in determining the final cost for the projections of the DuJIS Project and in determining whether to proceed with contract award. The Village Board understands and expects that the ETSB will notify it prior to contract award if the estimated cost to the Village of Lombard increases by more than ten (10) percent.

Village Manager Scott R. Niehaus

Keith T. Giagnorio Village President Village of Lombard

"Our shared Vision for Lombard is a community of excellence exemplified by its government working together with residents and businesses to create a distinctive sense of spirit and an outstanding quality of life."

Enclosure

"The Mission of the Village of Lombard is to provide superior and responsive governmental services to the people of Lombard."

TO:

DuPage Justice Information System Participants (DuJIS)

FROM:

States Attorney Robert Berlin and Gary Grasso

DuJIS Chairman

DuPage ETSB Chairman

DATE:

May 27, 2016

SUBJECT:

DuPage Justice Information System Letter of Intent and Next Steps

Thank you for your interest in participating in the DuPage Integrated Justice Information System (DuJIS) project. The purpose of this memorandum is to provide an overview of the next steps and to seek participation from DuPage municipal and fire protection district agencies, in the form of a Letter of Intent, in order to finalize the contract with Intergraph, the vendor to which the Emergency Telephone System Board (ETSB) is preparing to award the contract for this project.

In order for the ETSB to properly price the contract, it requests that you present the enclosed "Letter of Intent" to your governing board for its approval. Please include the actual handouts as shown in the sample as part of your resolution. We have enclosed included a five-year cost projection to assist you in your decision.

The Law Enforcement Report Management System (LE RMS) cost projection includes the portion of the capital investment your agency will be responsible for as well as for its share of the ongoing maintenance, staffing (four IT professionals for LE RMS), and equipment replacement costs based on the number of users your agency would have in the system today. We have calculated this based on a cost-per-user basis. We have included an equipment replacement contribution so that the LE RMS system can be self-sustaining and allow for available funding for the upgrade or replacement of law enforcement report writing software in the future. DuPage ETSB NetRMS participants may already be familiar with equipment replacement cost preparation from your cost sharing experiences with that system. While this is not a new approach for the ETSB, it was not part of the cost projections that the manager for the initial stages of the project, Mr. David Usery, shared with you last Fall. Because we believe it is important to set aside funds for the eventual upgrade or replacement of the system in the years ahead, we have revised those projections to account for equipment replacement.

The DuJIS project is a very complex project with many interfaces to various technologies. To that end, the ETSB will only permit cost-sharing for common expenses. If an agency requires additional interfaces with the RMS or CAD to their unique software applications, it will need to obtain them through Intergraph the cost of which will be the responsibility of the impacted agency as included in the contract. Neither the ETSB nor the County will be responsible for the costs of interfaces to agency-specific software. Agency specific interfaces will be configured after the core systems are deployed, approximately 24 months from date of contract. Itemized cost projections per agency are included with this document. This information will allow participants with agency specific interfaces the opportunity to decide whether or not to move to one of the core shared applications versus paying for a specific interface.

We have made every effort to determine the five-year cost for this system including an equipment replacement contribution.

We ask that you present the Letter of Intent as is to your agency's corporate authorities, and upon its approval, execute the letter on your letterhead and return it to <u>DuPage ETSB at 421 County Farm Road, Wheaton, IL 60187 by June 25, 2016</u>. If some agencies elect not to participate and that reduction changes the costs to any agency by more than ten percent (10%), we will notify each agency that has executed the letter of intent of this change in costs and to allow it the opportunity to reassess its intention to participate.

The ETSB presently anticipates letting the contract before the end of the second quarter, 2016. The next ETSB Committee of the Whole Meeting is Wednesday, June 1 at 8:30am in the County Board Room at 421 County Farm Road, Wheaton. This is a two hour time block the ETSB intends to convene this additional Committee of the Whole for the exclusive purpose of reviewing the details of the contract before its final approval before the end of June. The ETSB will provide notice for those interested in attending.

Following the approval of the contract, the ETSB will request the County Board enter into intergovernmental agreements (IGAs) on the ETSB's behalf with each of the various Public Safety Answering Points (PSAPs) whose members will participate in DuJIS. The IGAs will outline the organization of the system and the respective duties of the ETSB and each PSAP. The IGAs will require each PSAP pass its obligations through to its participating member agencies. Each PSAP will be responsible for collecting an annual per capita assessment for DuJIS from its member agencies and for paying those assessments to the County and to the ETSB.

We are providing the following attachments to assist Agencies in making their decision regarding participation in the DuJIS Project:

- Letter of Intent and Resolution language with requested return attachments
- Steering Committee Structure
- DuPage Customer Pricing Overview (to date)
- Agency Cost Projections Summary (to date)
- Law Enforcement Report Management System (LE RMS) Staffing Overview
- Additional Costs Summary
- GIS Work Flow

### Letter of Intent:

As we explained previously, the ETSB has requested that each prospective DuJIS participant present a letter of intent to its corporate authorities. The ETSB will use each agency's commitment to determine the total number of participants in the system as well as final pricing. After your agency has completed its due diligence and approved the letter of intent's execution, please return it to DuJIS Project, c/o DuPage ETSB 421 County Farm Road, Wheaton, IL 60187. If the number of participants changes the cost per agency by an increase of more than ten percent (10%), agencies that have indicated participation will be notified. Once a sufficient number of agencies approve the Letter of Intent, the State's Attorney, in collaboration with the attorneys for each of the participating PSAPs, will develop a standardized IGA to implement the system. As noted previously, we anticipate the PSAPs will serve as "contractual conduit" to help facilitate project implementation and to help manage the flow of responsibilities between the agencies, the ETSB, and the County in much the same way they did during the implementation and eventual operation of the radio project.

We ask that you present the resolution authorizing the execution of the letter of Intent to your board or council at your earliest opportunity and include the backup materials we are providing as attachments to the resolution.

### Organizational Structure:

Upon project commencement, the County will retain a Report Management System (RMS) Manager though it's Human Resources Department for LE RMS. While the County's Director of Information Technology and the ETSB's Executive Director will jointly make the final selection, a small panel representing various LE RMS user groups will participate in the selection process and screen the applicants.

Though initially an ETSB position, the RMS Manager will transition to the County's IT Department beginning with FY2017 when the project is under contract and intergovernmental agreements have been executed with participants. These instruments will obligate the funds necessary for the County to proceed with increasing its headcount for this project and completing the staffing transfer.

The ETSB will formalize the existing staff work groups which have provided valuable guidance in the vendor selection process into standing ETSB committees and subcommittees. Once established, these bodies will proceed through the existing Policy Advisory Committee (PAC), which the ETSB will restructure to allow for this expanded role. These work groups will also identify, draft and recommend policy to the ETS Board through the PAC for DuJIS for, but not limited to, standardization of data bases and mapping/addressing.

Representatives of the County of DuPage, the State's Attorney, the Sheriff, the Clerk of the Circuit Court, the DuPage Mayors and Managers Conference, the DuPage County Chiefs of Police, the DuPage County Fire Chiefs Association, the ETSB, and the City of Naperville have and will continue to collaborate on a consensus-based model to facilitate project implementation. While the ultimate authority for project management will be coordinated by the County's IT Department (LE RMS) and the ETSB (CAD), the members of this collaborative will ensure that the entities or elected officials they represent are fully informed about project goals, development, and the implementation timeline. In this way, as opposed to the creation of a formalized and rigid governance structure, each entity or elected official retains their autonomy and must independently exercise their respective functions related to project implementation. As of the Spring of 2016, State's Attorney Berlin serves as the coordinator of this loose collaborative, sometimes referred to as "governance" or a "steering committee."

### Financial Overview:

We have provided the Intergraph financial cost sheet for your review. This document contains the costs to date for the system and four years of maintenance. The estimated total cost for the Intergraph contract is approximately \$12M. The coding on this sheet represents CAD (ETSB cost), RMS (Agency cost) and COM (cost attributed to both CAD and RMS which are split between these two systems). These codes were utilized to determine the agency share for reimbursement.

The ETSB will advance the initial financing for the entire project. The Agency Estimated Costs which are shown to the right of the pricing information on the spreadsheet, show the reimbursement required by Agencies to ETSB. When you met with Mr. David Usery, he provided you with cost estimates for LE RMS based upon common interfaces. These projections did not include costs for interfaces necessary to allow RMS to communicate with any additional systems your agency may have elected to utilize (such as Lexis/Nexis, Livescan, Beast, etc.), maintenance over the life of the contract, personnel or equipment replacement. For this reason, the numbers you are seeing now are somewhat larger than those you reviewed in the Fall.

### Agency Estimated Costs:

This attachment details the estimated costs each agency can expect to pay for system access. It is similar in format to the current NetRMS annual billing where the RMS costs are determined per user. Please be aware that the new system will assign each user a *unique* sign on and will not support collective access to the system for a records or investigations department. For this reason, it is critical that you verify the number of users your agency will have on the system.

When you met with Mr. Usery in the Fall, he provided you with cost estimates for LE RMS acquisition based entirely on the costs of project acquisition. As was the case with hardware replacement, subsequent discussions led to the recognition that existing County and ETSB staff could not satisfy the staffing requirements Intergraph proposed were necessary to properly and effectively maintain a modern LE RMS. After a thorough review of the proposed requirements, technical experts from the County's IT Department, the ETSB, user groups, and Intergraph reached a consensus recommendation that requires the County to increase its existing staff by four (4) full time equivalent positions ("FTEs"). Based on the County's Human Resources' current salary matrix for the relevant job descriptions, the staff increase will represent an annual estimated cost of \$425,000, including employee benefits.

As is the case with the RMS Manager, all initial staff will be hired through the ETSB's existing budget and under its headcount allocation. At the start of FY18 (December 1, 2018 for DuPage County), staff positions dedicated to RMS administration will transition from the ETSB to County IT.

This form also includes costs for participants that have agency specific interfaces. There is an overall cost sheet and subsequent worksheets which provide greater detail as to how these costs were calculated. It should be noted that the results are based on information provided by participants. You should check your agency specific categories with internal staff to ensure it is correct.

### RMS Staffing Overview:

This worksheet will provide additional detail for the staffing positions based on Intergraph recommendations and DuPage County Human Resources' job descriptions and salary matrix.

### Additional Costs Summary:

We have attempted to account for any additional costs that may be incurred by participants. To date, these include CPU/Mobile hardware that does not meet the specifications required for this system, replacement of the SONET network to a new network to support 911 systems, wireless technology for mobile terminals and fire station alerting. The attachment provided will contain more detailed information.

### GIS Work Flow and Addressing Ordinance:

Mapping is a critical function of the new CAD system which will require standardization. Participants are encouraged to have an addressing ordinance to facilitate standardization. There is also a flow chart to outline the process for address changes.



### DuPage Digital Justice Information System Project Work Team

Legal Counsel: Rick Veenstra

Governance Advisory Committee:

Bob Berlin, Chairman DuPage States Attorney

Mark Baloga DMMC

Robert Marshall Naperville Police
Andy Bonomo DuPage Fire Chiefs
Tom Cuculich DuPage County

Don Carlsen

Dewey Hartman

Bill Hayden

Jim Kruse

Paul Rafac

County Information Officer

DuPage Circuit Clerk

DuPage Chiefs of Police

DuPage Sheriff's Office

County Finance Officer

Linda Zerwin DuPage ETSB TBD Probation

Project Manager: Deltawrx, LLC - Report to ETSB/Linda Zerwin

Finance/Legal Team:

Paul Rafac, Lead County Finance Don Carlsen County IT

Bill Hayden DuPage Police Chiefs / Village of Addison grant

Jim Kruse DPSC

Jim Jackson DuPage Fire Chief Association

Rick Veenstra SAO Linda Zerwin FTSB

Rebecca Cussans County Procurement

Tech Team:

Matt Baarman, Lead DU-COMM Scott Klein DU-COMM David Jordan DPSO Wendy Wagner County IT Eric Sherpan County IT Jerry Furmanski ETSB Jason Arres Naperville Jason Snow Naperville Mike Sampey ACDC

GIS Team

Tom Ricker, Lead Mike DiGiannantonio Mike Chastain Jason Snow County GIS ETSB DU-COMM Naperville

Law Enforcement RMS Team:

Law Enforcement Executive Team

Dave Anderson Tom Kammerer Greg Vesta Lisle PD, LE Naperville PD, LE Wood Dale, LE

Sworn LE Executive

DuPage Sheriff's Office, LE

User Group Team

Patti Taves, Lead Mike Tierney Tracy Adams

Glen Ellyn PD Addison PD

Tracy Adams Mike Novak Jan Barbeau Diane Schlake Downers Grove PD Hanover Park PD Wheaton PD Naperville PD

Mike DiGiannantonio Tom Brown ETSB DPSO

CAD Team:

Jennifer Rizzo, Lead Heather Lippe Downers Grove PD Downers Grove PD

Delores Temes ACDC Brandon Hurd ACDC DU-COMM Ron Gross Jenny Bostick DPSO David Jordan DPSO Kalah Considine Naperville Jerry Furmanski ETSB Mike DiGiannantonio ETSB ETSB Deputy Director ETSB

Fire Team:

Dan Anderson John Sullivan Andy Bonomo Steve Riley Eric Kramer Amy Scheller Jim Halik Roselle FD
Addison FPD
York Center FPD
Westmont FD
Addison FPD
Naperville FD
Westmont FD

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WebRMS Interface Load Balanced Servers 41-3	Commence of the Commence of th	PRMS				
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1 Telephone Device for Deal - Zetron - Backup Locase (IPSO) (BICE)		CAD	11		no sidilicani cost.	
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Mahile Data Roden dant Server #1		1000	100			The second second
[Mobile Data Terminal - Redundant Lorenze (\$7000000277)	-	CAB	-	\$ 34,280		
Fractar-Robustant License (FFRETERIT)  Mabile Data Robustant Server #2 (Load Balanced)		CAD	-	\$ 29,678	\$ 0,478	8 4,655
Mobile Data Terminal - Redundant License (\$900004111)		-	-			
Tracket - Robushet License (IRM (SEDT)	+	CAD		\$ 34,290		
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		710-6		Included at	no additional cost	
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Digit French Routine Engine - Beying Licona (JFS NO) FC E.  Saloguegh WebBMS Connect for Edge French - D.C.K. (JFS NO) FC E.		793-6		Included at	to additional end	
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Wildware Support and Subscription Technical Support	Diseases Houseway Environment (Disease)	COM	1	5 12,620	5 13,620	
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PCAD Dispatcher Workstations	The second secon					
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1 Mag Salter Six Avail 8 CC (\$791184)	1	CAD	1	\$ 4,007		2 30
May Administration Units (PRIORC)		CAD	1	\$ 10,300		
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Mobile for Public Solidy - Columnate User License (1990000)		GAD GAD	#15	5 1,113	\$ 973,870	\$ 271,000
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Works File Chart CC (RMS)(25)		PRMS	359	\$ 1,500	\$ 556,500	\$ 134,600
WebRMS Workstations		1	-			
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Other Bardware and Software			700			
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(7) 290GS Fast Cooks SSD drives						
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Redundent Filter channel proteins with 10 perio licensed-per owinth 3 years ministrates in 1842; VOCK 1860 (SAN) (7) 2000 Fact Cedes SSD draws 1850 2000 FSSD Test VV debrus 1850 Committee volt (5) Elser ports per controller 1860 Committee volt (5) Elser ports per controller 1860 controller Filter channel avvisions with 16 ports isomated per create 18 years controllerance 18 Yest Controllerance 18 Professional Services 18 Professional Services 18 Professional Services			1		5 117.829	
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Endander Dier channel quinties with 10 peris licensed-per princh \$ \text{y-min minimates} \$ \text{2.5 \text{y-min minimates}}\$ \$ \text{2.5 \text{2.5 \text{2.5 \text{y-min minimates}}} \text{2.5 \text{2.5 \text{y-min minimates}}} \$\$ \$ \text{2.5 \text{2.5 \text{2.5 \text{y-min minimates}}} \text{2.5 \text{2.5 \text{y-min minimates}}} \$\$ \$ \text{2.5 \text{2.5 \text{y-min minimates}}} \$\$ \$ \text{2.5 \text{2.5 \text{2.5 \text{y-min minimates}}} \$\$ \$ \text{2.5 \text{2.5 \text{y-min minimates}}} \$\$ \$ \text{Description of the channel orbitals with 15 peris licensed per create \$ \text{Solution of the channel orbitals} \$\$\$ \$ \text{y-min minimates} \$\$\$ \$ \text{Problems of the minimates} \$\$\$\$ \$ \text{Problems of the minimates} \$\$\$\$ \$ \text{Problems of the minimates} \$\$\$\$\$ \$ \text{AD implementation for the minimates} \$		COM	1	\$ 117,020 \$ 213,000 \$ 361,010	\$ 171.000 \$ 571.000 \$ 951.070	
Endander Filter channel credelins with 10 perio Economic per owinth  3 years ministrances  10462 Versit 10400 (SAN)  (7) 10900 Final Contin 1050 drawn  1020 1020 Final Contin 1050 drawn  1020 1020 Final State State Filter  1020 Final Continuation Services  1020 Final State State Filter  1020 Final State Filter  1020		COM COM ADD CAD	1	\$ 117,820 \$ 219,688 \$ 281,670 \$ 329,641	\$ 171.029 \$ 571.039 \$ 901.070 \$ 302.00	
Redunder Filter channel proteins with 10 perio increased per metals 3 years mointenance 10482 Years (1000 (SAN) (7) 20000 File Codes (SDN) (7) 20000 File Codes (SDN) (8) 20000 File Co		COM COM ADD CAD PANS	1	\$ 117,029 \$ 319,000 \$ 349,01 \$ 300,40	\$ 171.029 \$ 575.049 \$ 575.041 \$ 575.041 \$ 515.040	
Redunder Filter channel quinties with 10 perio licensed-per owinth 3 years ministrateurs  1886: Versi 1800 (SAN) (7) 1890) Fact Cedes 1890 deves  1800 1800 I SSD Test VV deves  1800 I Controller Vide Collect parts per controller  Redunder Filter channel switches with 15 perio licensed per central  3 years considerateur  Prefer thingsproved forviers  Prefer binaspearur Serviers  [Project binaspearur Serviers (whited to additional agency interface development and implementation)  AD Implementation Serviers  BAS Implementation Serviers  CAD Institutes Implementation Serviers  CAD Institutes Implementation Serviers  CAD Institutes Implementation Serviers		COM ADD CAD PRASS CAD	1 1 1 1 1 1 1 1	\$ 117,620 \$ 213,636 \$ 243,670 \$ 30,640 \$ 20,640	\$ 171,429 \$ 510,670 \$ 511,540 \$ 511,540 \$ 511,540	
Redunder Filter channel questions with 10 perio increased-per potents 3 years maintenance  10.002 (NAN) THE Contro SSID devices  10.002 (NAN) THE Contro SSID devices  10.002 (NAN) THE RANGE SSID devices  10.003 (NAN) THE RANGE SSID THE VICTOR STATES  10.004 (NAN) THE CONTROL OF STATES		COM COM ADD CAD PRMS CAD ADD	1 1 1 1 1 1 1 1	\$ 117,629 \$ 219,698 \$ 360,679 \$ 227,941 \$ 217,791 \$ 217,791	\$ 171.029 \$ 571.039 \$ 571.070 \$ 371.070 \$ 271.770 \$ 11.000	
Endander Dier channel overleins with 10 peris licensed-per princh \$ \text{y-text} and text and \$ \text{y-text} and \$ y-t		COM ADD CAD PRASS CAD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 117,020 \$ 219,688 \$ 380,670 \$ 220,441 \$ 50,041 \$ 217,791 \$ 217,791 \$ 217,791	\$ 571.000 \$ 571.000 \$ 571.070 \$ 571.070 \$ 571.790 \$ 211.790 \$ 210.000	
Redunded Filter channel proteins with 10 perio increased per pretails  3 years maintenance  10442 Years (1000 (SAN)  (7) 1990 III Fact Codes 1987 devea  1020 12210 1988 Their VP debrus  1020 12210 1988 RAI side res  Baul Committees with (5) Else years per controller  Redunders Tiber channel ventices with 10 perio increased per events  3 years construence  Project Intergrand Services  Project Intergrand Reviews  Project Intergrand Reviews  Project Intergrand Reviews  Redunders Temperature Services  CAD Implementation Services  CAD Im		COM  COM  ADD  CAD  PIMS CAD  ADD  CAD  CAD  CAD  CAD  CAD  CAD	1	\$ 117,629 \$ 219,608 \$ 249,619 \$ 30,409 \$ 207,509 \$ 217,509 \$ 218,609	\$ 171,429 \$ 570,670 \$ 571,670 \$ 571,700 \$ 571,700 \$ 51,000 \$ 5,000 \$ 5,000	
Endander Directions of whiches with 10 perio Entered per prints 5 years ministrates:  1044: Versit Section (SAN) (7) 2000 End Carlos SSD device  1050 2000 ESSD Treat VM determ  1050 ESSD EssD Treat VM determined  1050 ESSD EssD EssD Treat VM determined  1050 ESSD EssD EssD EssD EssD EssD EssD EssD		COM ADD CAD FRMS CAD CAD CAD CAD CAD CAD CAD CAD CAD CAD	1	\$ 117,629 \$ 219,608 \$ 249,619 \$ 30,409 \$ 207,509 \$ 217,509 \$ 218,609	\$ 171,429 \$ 570,670 \$ 571,570 \$ 571,770 \$ 51,770 \$ 51,770 \$ 51,770 \$ 52,770 \$ 52,770	
Endander Directorised excitors with 16 perio Entered per potents  3 years ministrations  10462 YEAX 1900 (SAN)  (f) SHOEL Fact Codes SED dress  1020 SECES SED Year VM debrus  1021 SECES SED Year VM debrus  1021 SECES SED Year VM debrus  1021 SECES SECES SECES SECES  1022 SECES SECES SECES SECES  1032 SECES SECES SECES SECES  1033 SECES SECES SECES SECES  1034 SECES SECES SECES SECES  1034 SECES SECES SECES SECES  1035 SECES SECES SECES SECES  1035 SECES SECES  1035 SECES SECES SECES  1035 SEC		COM  ADD  CAD  PRMS CAD  ADD  CAD  PRMS CAD  PRMS CAD  PRMS CAD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 117,029 \$ 219,038 \$ 360,070 \$ 229,541 \$ 20,049 \$ 22,000 \$ 7,240 \$ 5,000 \$ 10,000 \$	\$ 171,429 \$ 570,670 \$ 571,570 \$ 571,770 \$ 51,770 \$ 51,770 \$ 51,770 \$ 52,770 \$ 52,770	
Endander Directories (whiches with 10 peris licensed per prints)  1040: Verix (1000 (SAN)  (7) (2000) For Codes (SED drove  1000) (2000) SED True VM detect  1000) SED SED		COMM ADD CAD PRIMS CAD ADD CAD PRIMS CAD PRIMS CAD		\$ 117,020 \$ 210,036 \$ 200,040 \$ 20,040 \$ 22,040 \$ 2,000 \$ 2,00	\$ 171,429 \$ 575,049 \$ 571,070 \$ 571,700 \$ 271,700 \$ 211,000 \$ 200,000 \$ 200,	
Endander Dier channel overleine with 10 perio Entered per princh 5 years minimized over the 5 years included and 5 years included and 5 years (SAN)  (f) SNOE Fact Code SSD feet Verificate  (AC) SNOE Store Store SSD feet Verificate  (AC) Snoe SSD feet Verificate		COM  COM  ADD  CAD  PRMS CAD  ADO  CAD  PRMS CAD  CAD  CAD  CAD  CAD  CAD  CAD  CAD		\$ 117,029 \$ 219,098 \$ 360,079 \$ 200,049 \$ 22,001 \$ 22,001 \$ 22,001 \$ 23,000 \$ 10,000 \$	\$ 171,429 \$ 575,049 \$ 571,070 \$ 571,700 \$ 271,700 \$ 211,000 \$ 200,000 \$ 200,	
Endander Direct channel credeben with 16 perio Entered per printing 3 years ministratures  10462 VEXIX (NOO) (SAN) (7) (2000) Fact Control (500) devices  1020 (2000) SEQ Tree VM defects  1020 (2000)		COMM ADD CAD PRIMS CAD ADD CAD PRIMS CAD PRIMS CAD		\$ 117,020 \$ 210,036 \$ 200,040 \$ 20,040 \$ 22,040 \$ 2,000 \$ 2,00	\$ 171,029 \$ 571,009 \$ 571,000 \$ 571,000 \$ 271,700 \$ 271,700 \$ 271,000 \$ 271,000 \$ 1,000 \$ 1,0	
Endander Filter channel questions with 16 parts Commel per printing 3 years maintenance  1046.** YEXX 1900 (SAN) (F) 2000) For Code SSD dress  1040.** 2000) SSD Test VV denes  1050 (2000) SSD Test VV denes  1050 (2000) SSD Test VV denes  1050 (2000) SSD Test VV denes  1050 (Controller vide) (F) Des parts per controller  Endander Filter channel varieties with 16 parts increased per oversit  3 years controller vide (F) Des parts per controller  Friedrational Services  Priedrational Services  Priedrational Services  Priedrational Services  Project Management Invition (related to stabilitional agency interface development and implementation)  CAD Implementation Services  2000 Implementation Services  CAD Implementation Services  CAD Implementation Services  CAD Implementation Services  CAD Implementation (CAD)  10 Closed Services (CAD)  10 Closed Services  CAD Index Services  Trival  Trival  Trival  Trival  Trival  Trival  Trival		COMM ADD CAD PIMB CAD ADD CAD ADD CAD CAD CAD CAD CAD CAD		\$ 117,629 \$ 219,698 \$ 249,619 \$ 20,489 \$ 210,499 \$ 210,499 \$ 23,499 \$ 5,000 \$ 19,000 \$ 12,412 \$ 2,412 \$ 2,412 \$ 2,412 \$ 2,412 \$ 2,412 \$ 1,115 \$ 2,115 \$ 2,115 \$ 3,110	\$ 171,429 \$ 570,670 \$ 571,570 \$ 511,570 \$ 21,770 \$ 11,000 \$ 217,770 \$ 10,000 \$ 217,770 \$ 1,000 \$ 2,000 \$ 3,000 \$ 3,000	
Redunder Filter channel excidence with 16 parts (content) per potents 3 years maintenance 1046: Verix (1000 (SAN) (F) (2000) Fact Codes (SEO devices 1050 (2000) SEO Tree VM devices 1050 (200		COM  COM  ADD  CAD  PRMS CAD  ADO  CAD  PRMS CAD  CAD  CAD  CAD  CAD  CAD  CAD  CAD		\$ 117,829 \$ 219,098 \$ 360,479 \$ 227,741 \$ 30,049 \$ 2,20,349 \$ 3,00,409 \$ 1,00,409 \$ 1,00,409	\$ 171,029 \$ 571,009 \$ 571,009 \$ 571,009 \$ 271,709 \$ 11,000 \$ 21,000 \$ 12,000 \$ 12,000 \$ 13,000 \$	
Evaluation Filter channel credeben with 16 parts Commel per printing 3 years maintenance 1046: Yea's 1900 (SAN) (f) (Seed) Fact Control 1970 device 1050 (SEED) Fact Verification 1050 (SE		COMM ADD CAD PEMB CAD CAD CAD PEMB CAD		\$ 117,829 \$ 219,638 \$ 289,649 \$ 20,849 \$ 21,696 \$ 23,696 \$ 23,696	\$ 171,429 \$ 510,670 \$ 511,640 \$ 511,640 \$ 21,640 \$ 11,640 \$ 12,422 \$ 1,515 \$ 1,516 \$ 1,516 \$ 1,516 \$ 1,516 \$ 1,516 \$ 1,516 \$ 1,516	
Evaluation Filter channel credition with 10 parts (content per potents)  3 years maintenance  1040° VOIX (NOO) (SAN)  (f) (2000) Four Content (SDD devices)  1020 (2000) SDD Test VM devices  1020 SDD Test VM dev		COM		\$ 117,829 \$ 218,665 \$ 20,849 \$ 217,949 \$ 217,949 \$ 217,949 \$ 12,006 \$ 12,006 \$ 12,006 \$ 12,006 \$ 13,006 \$ 177,006 \$ 11,016 \$ 11,016 \$ 11,016	\$ 171,429 \$ 575,640 \$ 571,670 \$ 571,770 \$ 11,680 \$ 71,770 \$ 11,680 \$ 71,770 \$ 1,150 \$ 1,150	
Endander Dier channel questions with 10 peris licensed-per printing 3 years ministrature  10482 YEAX 1900 (SAN) (f) 19800 Fat Contin SED diverse 1020 1221 Fat Contin SED diverse 1020 1221 Fat SAN diverse 1020 1222 Fat SAN diverse 1020 1222 Fat SAN diverse 1021 1222 Fat SAN diverse 1021 1222 Fat SAN diverse 1021 1222 Fat SAN diverse 1022 Fat SAN diverse 1023 Fat SAN diverse 1024 Fat SAN diverse 1025 Fat SAN diverse 1026 Fat SAN diverse 1027 Fat SA		COMM ADD CAD PRMS CAD CAD PRMS CAD PRMS CAD		\$ 117,020 \$ 219,686 \$ 310,070 \$ 220,040 \$ 220,734 \$ 2,006 \$ 2,000 \$ 2,000 \$ 2,000 \$ 2,000 \$ 10,000 \$ 10,000 \$ 172,000 \$ 172,00	\$ \$17,426 \$ \$10,670 \$ \$11,670 \$ \$11,670 \$ \$11,980 \$ \$1,080 \$ \$2,472 \$ \$1,080 \$ \$2,482 \$ \$1,150 \$ \$1,151 \$ \$1,15	
Rodumber Direct channel credeben with 10 parts bornard-per potents 3 years ministratures 10462 VOIX 1900 (SAN) (f) 1900 (SAN)		COM		\$ 117,020 \$ 219,686 \$ 310,070 \$ 220,040 \$ 220,734 \$ 2,006 \$ 2,000 \$ 2,000 \$ 2,000 \$ 2,000 \$ 10,000 \$ 10,000 \$ 172,000 \$ 172,00	\$ 171,429 \$ 570,670 \$ 571,570 \$ 511,570 \$ 211,770 \$ 21,770 \$ 21,77	
Redunder Filter channel quintines with 10 perio licensed-per potents 3 years maintenance  DARC VEXEX 1900 (SARS) (F) 1900 (SAR		COM ADD CAD ADD CAD CAD CAD CAD CAD CAD CAD		\$ 117,629 \$ 219,646 \$ 229,641 \$ 200,489 \$ 210,489 \$ 210,489 \$ 210,489 \$ 220,420 \$ 230,489 \$ 230,489	\$ 171,429 \$ 571,670 \$ 571,961 \$ 511,961 \$ 12,000 \$ 12,000	
Rodunder Filter channel quintines with 10 perio licensed-per patents 3 years ministrations  IAME: VOIX 1900 (SAN) (7) 1900) Fact Control 1900 drives  1000 1000 1500 Feet Vol drives  1000 1000 1500 Feet Vol drives  1000 1000 1500 Feet Vol drives  IOME Controlled with 100 feet grant per controlled  Rodunder Filter channel protection with 16 perio licensed per central  3 years constitutions  Project Interpretation Services  Project Interpretation Services  Project Interpretation Services  Edd Implementation Services  Edd Implementation Services  Edd Implementation Services  And Interfere Implementation Services  And Interfere Implementation Services  SER Implementation Services  IN - Direct Implementation (VoldIMS)  CAD Data Communities (VoldIMS)  CAD Data Communities (VoldIMS)  CAD Data Communities (VoldIMS)  CAD Data Communities (VoldIMS)  CAD Support for Addity to Imped Run Carla  Addition Sequence Implementation Services  Try of CAD Control Implementation Services  LEAD Protection for Cap Tennic (1975) (1)  LEAD Protection Services (1975) (1)  LEAD Protection Services (1975) (1)  LEAD Try of CAD Deprimentation Services (1975) (1)  Selection Services (1975) (1)  S		COM		\$ 117,829 \$ 219,649 \$ 20,449 \$ 217,949 \$ 217,949 \$ 217,949 \$ 12,056 \$ 2,057 \$ 11,014 \$ 11,014 \$ 11,014 \$ 11,014 \$ 11,014 \$ 11,014 \$ 11,014 \$ 11,014	\$ 171,429 \$ 571,629 \$ 571,620 \$ 571,790 \$ 571,790 \$ 11,690 \$ 12,422 \$ 1,150 \$ 1,150	
Redundant Piter channel quintines with 10 perio licensed-per outsith 3 years maintenance  DAMS: VEXX 1900 (SAM) (F) 1900 (SAM)		COMM  ADD  CAD  PIMB  CAD  PIMB  CAD  PIMB  CAD  CAD  CAD  CAD  CAD  CAD  CAD  CA		\$ 117,829 \$ 219,636 \$ 289,640 \$ 20,640 \$ 20,640 \$ 20,420 \$ 5,600 \$ 10,800 \$ 10	\$ 171,426 \$ 511,670 \$ 511,670 \$ 511,670 \$ 21,140 \$ 11,000 \$ 12,000 \$ 22,000 \$ 23,000 \$ 13,150 \$ 13,150	
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MPR Worldow and Configuration Workshop ( JPST2SI2)		DAD	1	\$ 21,008		
MPR Workflow and Configuration Workshop II (IPST2502) MPR Workflow and Configuration Workshop II (IPST2502)		DID	2	\$ 21,514 \$ 21,314		
MPR for Trainers (EPRT2908)		DVD	1	1 6397		_
Hazidest Analyst Configuration and Administration (IPETRODY)		DAD	1	\$ 21,614	\$ 0,04	
Lincolnet Analyst User Training (\$79'T4002)		DAD		\$ 2,084	\$ 5,480	
Bi Closet Se CAO - System Administrator Training (DWT*008)	Over training conducted the same week as Syn Admin.	CAD	-	\$ 3,050	5 5,454	
BI Direct for CAD - User Training (IPST1009)	Training for 80	CHD	1	\$ 4,545	5 4,545	
Bi Direct for Weldfolds. Day Training (1977) (60)		793-8	1	\$ 3.69	\$ 5,414	
St. Dieset for WebBMS- Senten Administrator Training (IPSTXXIII)	Liver incoming consistenced the same meets as East Admin.	79049	1	9 4,565	\$ 4,545	
World Dell System Discrete: A Configuration Training (IPST3501)	Training for RI	79.50	1	\$ 5.00		
Fire for WebSMI System IT Administrative Training (FPC10) Ky		295/0	1	1 199		
318 System Overview and Configuration Training (\$P\$74011)		29348		\$ 5,000	\$ 9,990	
Wolfdid System Administrative Training Course (P973102)		29.565	1	\$ 5,000		
Working Train: The Trainer Training (IPST 2001) THE for Working Train The Trainer Training (IPST 4012)		79.65	1	\$ 11,514	\$ 46,096 \$ 20,096	
WebSS Reports and Deployment (PST/1504)		79.65	1	\$ 5,000	\$ 9.00	
EdgeFronter Develope: Training		COM		\$ 20,000	\$ 20,000	
Shipping, Installation, Bonds, Escrow, Insurance, Warranty		100 mm	1.00			
Stipping and Inverses		COM		\$ 6314	\$ 6314	
Durson Administration for per year.  Dursons Intelligence software warrants during implementation period.		COM	-	5 7.766	E 500 E 7.96	\$ 500
Handware Steging & Installation Services	-	COM	1	5 83,438	\$ 61.08	
Hardware Singing & Installation Services		ADD	1	\$ 14.987		
TOTAL SYSTEM BASE PRICE:		E POYOTT				10.12.0000
Sub-Total Exclusive of Discount, Extended Warranty, Maintenance, Options & Tax	D				8 90,240,874	1 1381,40
One Time System Discour	by initial purchase only	DB			\$ (3,600,300)	
Sub-Total Exclusive of Extended Warranty, Maintenance, Options & Taxes First Year Integraph Maintenance (Extended Software Karanta)					3 4,66,679	1 LML40
Discount on First Year Intergraph Maintenance		DIM	1		£ 1,31,58	
Fast Year Third Party Maintenance (Extended Software Warranty)		arrest.	1		\$ 99,968	
Grand Total Exclusive of Taxas	Dax Exception anniered				\$ 7,864,216	
Second Year Jed Purty Software Maintenance after tournely		COM	1		\$ 184,996	
Second Year Intergraph Software Maintenance offer variantly  Minimumore Year I - Upgrade Program (First Upgrade - Santidowed 1 of 1)		CAD	-		1,110,948	
Third You 3rd Purty Software High passages		COM	+		\$ 180,000 \$ 1.00,204	
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Hardware Stage & Impaliation Services for Flantware Regions during maintenance		C084	II		34,596	
Maintenance Four 3 - Ungrade Program (First Upgrade - Sachdingsy 2 of 3)  Fourth Four had Dark Rediscour Maintenance		CAD	1		\$ 100,000	-
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Edit You Software Maintenance		COM	1		\$ 1,200,000	
Total for Additional Four Years' Maintenance after Estended Warranty					5 5481,281	
Principles in Calopina						
CAD Sub-System		CAD	1		\$ 4,280,000	
Folios EMS Sub-System		PRMS	1		\$ 2,901,756	
Additional Agency Costs Common Home		ADD	1		\$ 1,003,206	
System Discours	JPM Services Encorn, Shipping, Third Farty, etc.;	DIS	1	_	\$ 2,040,912	
Total Price for Complete System		Dia	-	_	\$ (3,406,310)	
					3 8,648,679	8 1,663,737
Option						
Project management scratters are not included and implementation actions are estimated. Third party greatest prime are radial for only 19 days. Integraph can provide a facel game when against items are adventig.					promobile to a	P.Distancinsbillow
Optional Interpretablishment						
CAD Ri & Gup		EAD	1	\$ 56,071	90,071	
CAD Requirement Andreas, Druge		CAD	1	\$ 35,794 \$ 35,794		
					147,359	
With BART Fit & Cop Analysis With BART Requirements Analysis, Design		PROAD	1	\$ 35,794 \$ 61,700	12/38 5/79 6/39	
WultiEMB Requestions Analysis, Design CAD Residest Systems Analysi (Tear 1)		PROME PROME CAD	1	\$ 61,398	\$1,358	
Woldfall Enquironment Analysis, Donga CAD Barolinet Systems Analysi (Trae 1) ESS Barolinet Systems Analysi (Trae 1)		PROME	1 1 1	\$ 61,398	\$ 80,358 \$ 248,774	
WebBMI Requirements Analysis, Denga CAD Resident Systems Analysis (Tear 1) ESIS Resident Systems Analysis (Tear 1) Outlinest Designation Analysis (Tear 1)		PRINES CAD	1	\$ 245,714 \$ 245,716	\$ 51,158 \$ 245,174 \$ 246,178	
Wold-Edd Requirements Analysis, Design CAD Resolute Systems Analysi ("Dee 2) Edd Resolute Systems Analysi ("Dee 2) Defined Daily graph Streeter Products and Envertices.	Part Program Footbill	PRINES CAD	1	\$ 64,388 \$ 245,014 \$ 245,014	\$ 51,758 \$ 248,774 \$ 248,774 \$ 11,110	
White SERT Requirements Analysis, Design CAD Searchest Systems Analysis (Time 1) Sets Resolut Systems Analysis (Time 1) Designation Control of Production and Envertices. 11 (1995)—A (1996)—(1996)—(1) 17 (AD as to DAS (1996)—(1) 17 (AD as to DAS (1996)—(1)	For Programs FindSpdS SCEARS EmageTown	PRINES CAD	1	\$ 61,368 \$ 248,714 \$ 248,715 \$ 11,130	\$ 5139 \$ 26179 \$ 26179 \$ 11,100 \$ 11,100	\$ 2,306
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WhiteMill Requirements Analysis, Design CAD Resolute Systems Analysis (Time 1) ESS Resolute Systems (ESS ESS ESS ESS ESS ESS ESS ESS ESS ES	ECEAN ImageStreet	PROME CAUS PROME CAUS CAUS CAUS CAUS CAUS CAUS CAUS CAUS	1	\$ 64,368 \$ 246,74 \$ 246,74 \$ 11,30 \$ 11,30 \$ 11,30 \$ 11,30 \$ 11,30 \$ 11,40	\$ 53.39 \$ 240,174 \$ 240,174 \$ 11,110 \$ 11,110 \$ 11,100 \$ 13,400 \$ 1,400	\$ 2,000 \$ 2,000 \$ 2,000 \$ 2,000
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White St. Requirements Analysis (Time 1)  SSS Reminst Systems Analysis (Time 1)  SSS Reminst Systems Analysis (Time 1)  Definition for your bis section of Products and Tourrhoon  (Time 1)  TEARLY (Alles (1984-84)  TEARLY (as you MAS (1984-84)  TE	ILLEAN Image/Image	PROME CALC PROME CALC CALC CALC CALC CALC CALC CALC CAL	1 1	\$ 41,318 \$ 240,714 \$ 240,714 \$ 11,330 \$ 11,330 \$ 11,330 \$ 11,330 \$ 11,330 \$ 12,444 \$ 20,331 \$ 20,331 \$ 20,331 \$ 30,031 \$	\$ 5139   6 246,179   7 246,179   7 246,179   7 246,179   7 246,179   7 246,179   7 246,179   7 246,179   7 246,179   7 24	\$ 2,000 \$ 2,800 \$ 2,800 \$ 2,800 \$ 4,600 \$ 4,600 \$ 11,600 \$ 11,600 \$ 5 4,000 \$ 12,440
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CAD Trainer Counting. (TTT) (PST2010)	Custom Training Documents	CAD	1 1	\$ 19,080	\$ 19,089		
CAD Essentials for Users (TTU) (EST2004)		CAD	TI	8 11,314	\$ 11.514		
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Informer - Insining License (IPRCADCLEST-IPROMATRIX)		0.80	1 1	\$ 13,341	\$ 12,340	4	5.00

- Notes:

  1. As a record system discount has been provided for this apportunity. This discount is applicable only as incorpragh Products and Services. Third-Purty content is not discounted. Change to map of the final content may rising the discounters. Also, any credit gives for like terms as part of a Change Coder will include a reduction for the time freeze of the content capture. Also, any credit gives for like terms as part of a Change Coder will include a reduction for the time freeze of the content capture of the content capture. It is restrict to a content for final purple and content and content or benefit project to extend the final content of the content and the project to extend the project to extend the content and content capture. Purtue part of a Change Code will be written the content and content and content capture of the content and content capture. The content capture of the content capture of the content capture of the content capture. The content capture of the content capture of the content capture of the content capture. The content capture of the capture of the content capture of the ca

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### DuPage Digital Justice Information System RMS Staffing Overview

This document describes the recommended staffing for RMS based on Intergraph recommendations and DuPage County Human Resource job descriptions and salary matrix.

It is anticipated that these positions will be hired near the mid-range of the matrix. This could be adjusted up if the candidate has substantial experience in the Intergraph product.

	Salary		Salary Range	
Position	Grade	Low	Mid	High
RMS Manager	315	\$71,821	\$95,760	\$119,700
Data Base Administrator	314	\$62,305	\$83,075	\$103.843
Report Writing Specialists (2)	312	\$48,137	\$64,184	\$80,228

The dollars included in the Agency Estimated Costs is:

Secretary and the secretary an	Salary		Salary Range	200000
Position	Grade	Salary	Benefit (40%)	Total
RMS Manager	315	\$100,000	\$40,000	\$140,000
Data Base Administrator	314	\$80,000	\$32,000	\$112,000
Report Writing Specialists (2)	312	\$60,000	\$24,000	\$84,000

The salary calculations included in the Agency Cost Estimate include forty percent (40%) for benefits. In addition a two percent (2%) COLA has been added to each year of the program. Although not guaranteed, this COLA is consistent with DuPage County past practice and is only included to allow you budget appropriately.

It is important to remember that these are estimates based on known practices and information. It is possible that these costs could be lower.

#### RMS Manager:

The employee in this class is responsible for implementing, planning, managing and directing the DuPage County Justice Information System Law Enforcement Records Management System ("Records Management System") Employee manages the appropriate relationships, budget, projects and staffs within the department. Work requires the ability to exercise a high degree of technical expertise and competency in order to effectively research, recommends and implement a records management system that successfully meets the needs of all Elected Officials, Municipal Governments, County Departments, and Quasi-Governmental Organizations. Administrative direction is received from the Chief Information Officer. Management direction is provided to subordinate manager/supervisors.

As project manager for this system, this position will be responsible for overseeing all on-site project related activities and for assisting the Intergraph Project Manager in developing and managing implementation schedules and coordinating activities and personnel.

### Data Base Manager:

The use of the system administration tools within the applications is included in training. However, this position should be filled by resources fully trained in database management and system maintenance. This position reports to the RMS Manager.

### Report Writing Specialists:

Ability and background to create custom reports based on defined content provided by administrative and supervisory personnel. Report Writing Specialists should be familiar with the database structure. Knowledge of SQL would be a definite advantage. This position reports to the RMS Manager.

### DuPage Digital Justice Information System Additional Cost Worksheet

As stated in the cover letter, DuPage ETSB will be providing the CAD system including the mobile software/interface and the initial funding (with a reimbursement schedule) for RMS and interfaces ("Friends of CAD") not specific to the delivery of 911 services. The following additional costs have also been identified:

### CPU/Mobile Hardware:

In order to operate properly with the new CAD system. Hardware that does not meet the specifications below will not be allowed on the system. Hardware should have the following specifications:

Mobile Computers:

Windows 7 Pro, 64 bit I3 or greater processor 4GB RAM 80 GB HD

1,024x768 resolution

Centronics port for printing (if appropriate)

Network connection (if to be docked on the network)

Touch Screen Preferred.

WebRMS Workstations (desk tops) or CPUs: Windows 7 Pro, 64 bit

DuPage ETSB will do an RFP for hardware to facilitate a purchasing contract for equipment. Each agency will be responsible to fund any replacement hardware for mobile or desk top computers. The goal would be to receive all of the equipment so that tech personnel can load and configure the hardware properly prior to deployment/implementation. The letter of intent will have a handout that asks for the number of devices you would be replacing in order to provide a range for the RFP. This RFP will be let as soon as data is collected.

#### Network

The Technology Team for this project is working on a RFP to replace the SONET. CAD and Friends of CAD as well as Customer Premise Equipment (CPE-the 911 call handling devices) will run on this network. DuPage ETSB will pay for the connections between the PSAPs (with the exception of Naperville). Connectivity in the network for RMS and any other interfaced systems will be the responsibility of user agency. The RFP was let and returned May 31, 2016. The RFP will ask for several connectivity options. User agencies will have the opportunity to select their preferred network connection. This information is provided to user participants to assist with overall costs. It is an option and participant users may do their own connection but it will have to be approved by ETSB before it can connect into the system or a PSAP. This approval is only to ensure network system capacity and stability.

### Wireless Network for Mobile Terminals:

DuPage ETSB will continue to fund the cost of the wireless interface. This RFP will be for air cards (or wireless activation assuming mobiles have internal wireless capability). While user agencies may currently have their own contracts for this service, the hope is that a county-wide contract may reduce the cost to the user agencies.

### Fire Station Alerting:

DuPage ETSB is working with the Fire work group and will let an RFP to determine the feasibility of an updated, interoperable fire station alerting system.



## DuPage Digital Justice Information System Address Point File Workflow Description

The new CAD system will be X/Y coordinate driven. For this reason the GIS map will be a critical piece of the core data base. This document will describe the workflow steps for updating the countywide address point file that will be used by E911 and other taxing organizations within DuPage County.

### Municipal and County Input:

To create the new GIS map, agency participants that have address point data in either ESRI Geodatabase or ESRI shapefile should submit these files via <a href="etsb911@ducomm.org">etsb911@ducomm.org</a>. This would also be the time to update any boundaries, police beats/zones, fire beats/zones. If you do not have this data, please submit a Trakit ticket, indicating this so that the GIS team can work with you to ensure your information is ready for the new system.

Once the system is implemented, each agency participant will be submitting their address point file updates through a web based GIS application. The users will be able to add their address updates through a map interface. Update and edit tools will be provided within the application. A workflow map is provided.

### Address Update & Approval to E911:

Once the updated address points are complete an email and or other form of notification will be sent to ETSB GIS staff. At this step, the tentative point address will be reviewed and cross referenced by the MSAG data. If the address does not meet the standard needed for E911, the ETSB GIS staff will work with the respective municipality to correct and workout any issues that have arisen in the data review.

If the address does not meet the business rules established by the Tech Committee based on software capability, a respective municipal entity or the County may be asked to make a requested correction due to a discrepancy in the addressing. It is important that participants work with the GIS Team prior to annexations to avoid unnecessary delays in the annexation process or 911 mapping entry for an address within our service area.

When an address or corrected address is complete, another review will take place by ETSB GIS staff. Once the address is reviewed, approved and posted, this address point data will be uploaded to the Intergraph CAD system and also be available to others for their various address mapping needs.

### Various Types of Data:

There is a county-wide address point file. We have completed all the unincorporated areas within DuPage County and we are currently obtaining address point data from all of the County's incorporated municipal governments. To date, 16 out of the 32 municipal entities address data here in DuPage County and are currently appending them to the county wide address point file. Once we have the county address point file appended and completed with all of the address data, we will be able to share this data back to those entities that did not have a GIS format.

#### Recommendation:

One of the greatest challenges to any GIS map and CAD software is the alpha numeric address (i.e. 21W241). Going forward we would recommend that participants adopt ordinances to eliminate this type of addressing.