

**1.1 Proposal Worksheet**

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
1	<b>Security</b>	Are global changes limited by security settings		
2		Does the solution restrict access to only users with authorized login identification and passwords?		
3		Can the solution create encrypted passwords?		
4		Can the solution administrator customize user's security levels in a hierarchical format?		
5		Does the solution require users to change passwords on a periodic basis? If so, is the period configurable?		
6		Does the solution utilize the latest encryption and decryption standards to access data?		
7		Can the solution utilize MS SharePoint for authentication purposes?		
8		Do authorized users have ability to send e-mails based on events set automatically on date/time restrictions?		
9		Can documents interface with external applications?		
10		Does the solution have user role awareness to grant access right and permissions to different data store related reports and application abilities?		
11		Does the system include encryption capabilities to protect sensitive data over the network?		
12		Does security determine which views are available for which groups?		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
13		Can rights be granted or denied to specific components?		
14		Centralized web-based administration administers the profiles and privileges of users and groups		
15	<b>Solution Architecture</b>	Is the system modular with the ability to add/remove features		
16		Define the modules that will make up the proposed solution		
17		Identify any future modules that can expand future capabilities		
18		Scalable system allows for growth in the number of users and new hosting centers		
19	<b>Business Intelligence</b>	Does the solution have multiple layers of security, from database authentication to application and metadata access down to an individual cell?		
20		Can the solution consolidate data from different databases, spreadsheets, and file systems into an individual reports?		
21		Can authors create complex reports, modify state variables, with sliders or entering values, and perform new calculations without needing a technical education?		
22		Does your system allow the end-user to specify how selected records are to be sorted for downloading/printing?		
23		Can the complex SQL generated from creating a report be modified directly with a SQL interface?		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments	
24		Does the solution provide scorecards and charts that allows for visual representation of data, and alerts decision makers when metrics move beyond tolerances?			
25		Does the solution provide out of the box KPIs for various municipal entities?			
26		Can authors create templates for commonly used reports?			
27		Can an end user perform drill down queries for related information on each report to at least a four level depth?			
28		Can an end user apply custom filters, sorts, and calculations to a report?			
29		Does the solution provide the user the ability to configure which reports they want to view on their dashboard?			
30		Can the system support multiple years worth of data on a single report?			
31		Does the solution allow predictive analysis based on RMS data for trending and forecasting events?			
32		<b>Configuration</b>	Does the solution Run on IIS version 6 and higher? Please specify		
33			Can the data dictionary interpret data type changes in data stores and adjust accordingly?		
34			Does the solution have the ability to refresh data from different stores on different time scheduled increments?		
35	Can the data in reports refresh on a specified incremental basis?				
36	Does your solution provide the ability to customize printing defaults?				

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
37		Will the solution impact the operation of existing enterprise systems?		
38		Do the solution's extract, transform, and load (ETL) operations include a predictive component?		
39	<b>Dashboard</b>	Can the dashboard be configured to any level of the enterprise; department, work group or individual user?		
40		Is there immediate access to frequently used areas of the system via user defined tabs?		
41		Can the dashboard provide users with an in basket for workflow items which require attention, using workflow methodology which is integrated into all modules of the system?		
42		Does the dashboard provide a single access point for all enterprise wide applications including non enterprise applications, web content, reports, graphs, and workflow?		
43		Does the dashboard incorporate extensive security of the enterprise system, where users are granted data access and other capabilities based on each user's individual security level as defined by management?		
44		Do the authorized power users have the ability to customize page content, including up to the minute report data, workflow driven task lists, and user defined links from quick access to any of the areas in the system or other external applications?		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
45		Does the dashboard display a priority list of rule-based workflow tasks requiring an action or approval?		
46		Do users need to log in to the solution to have the presented dashboard tailored to a user's assigned role?		
47		Do authorized users have ability to send e-mails based on workflow events?		
48		Does the dashboard include the ability to chart between charting types on the fly? (Pie, bar, line, etc)		
49		Do the dashboards allow the user to drill down into the summarized data?		
50		Do the dashboards support the display of data from multiple sources, including third party web services?		
51		Can data from the dashboard be exported? which formats are supported?		
52		Can dashboards be viewed on web capable mobile devices like windows mobile and blackberry?		
53		Does the dashboard require any specialized software or will it run in any Internet Browser?		
54		Does the dashboard interface provide field titles that are descriptive and easy to read?		
55		Does the dashboard interface have a directory with easy access to other applications?		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
56	<b>Database Compatibility</b>	Is the solution capable of connecting to the following data sources: SQL Server 2000-2008, Oracle 9, DB2, MS Access 97-2007, Excel?		
57		Can reports access data by using views and stored procedures?		
58		Is granted data access able to be controlled down to the row level?		
59		Does the solution use OLAP technology?		
60	<b>GIS</b>	Is there flexibility to connect to different data sources for mapping information including MS Access, Excel, SQL Server, and Flat File?		
61		Are mapping capabilities compatible with ESRI ArcGIS 9.X, ArcSDE 9.X, and ArcGIS Server?		
62		Is the solution capable of displaying occurrences of Incidents, accidents, citations, civil service, and warrant service on maps?		
63		Are mapping capabilities interactive or static?		
64	<b>Help and Support</b>	Does the solution provide a help tips with the reports?		
65		Does the solution provide a printable help screen in a separate window?		
66		Does the solution provide context sensitive help?		
67		Does the vendor, manufacturer or distributor provide full support? Please specify		
68		Is on-site support and training provided during training and conversion?		
69		Are technical, administrative report and user manuals provided?		
70		Are there online self-paced tutorials provided?		
71		Support includes users from multiple locations		
72		Solves application problems within 4 hours		
73		Online support services		
74		Remote diagnosis service		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
75		24/7 emergency support		
76	<b>Reporting and Analysis</b>	<b>Accessibility</b>		
77		Real time reports access operational data stores		
78		Generates reports automatically		
79		Web query		
80		Ad-hoc queries		
81		Navigates all connected relational databases		
82		Interactive data exploration with analytics		
83		Desktop interface to advanced analytics		
84		Multiple data sources and platforms		
85		Accesses delimited ASCII files		
86		Accesses fixed format ASCII		
87		Schedules information alerts based on specified conditions		
88		Real time access to operational data		
89		Report drill through from OLAP cubes		
90		Tree-style structure that logically organizes database columns into folders		
91		Batch production and distribution of reports		
92		Combines multiple reports into a single "report dashboard"		
93		Exports reports to other formats		
94		Multiple format support including HTML, Excel, and PDF		
		Retains formulas when exported to Excel		
95	Integrates with Microsoft SharePoint and other HTML development tools			
96	<b>Reporting Capabilities</b>			
97	Point-and-click graphics tool			

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
98		Pre-set templates		
99		Saves, schedules, and publishes reports		
100		Data-manipulation capabilities for row and cumulative totals		
101		Cross-tabs break a report across an unlimited amount of categories		
102		Desktop and web reporting interfaces		
103		Identifies exceptions in report		
104		Automates the generation of reports		
105		Formats tools to change fonts, colors, styles, column and row sizes, and alignment		
106		Accesses analytics from Microsoft Office applications		
107		Report wizards guides users through analytical and reporting tasks		
108		Exception highlighting shows values in a report that are above or below a value range		
109		Creates metrics		
110		Auto save		
111		Proactive drill-down options, including automatic, conditional, and in all supported formats		
112		Cascading style sheets		
113		Nested crosstabs and charts		
114		Data explorer		
115		Report explorer		
116		Repository explorer		
117	Custom templates			
118	Preview window			
119	Embeds live applications, Web sites and non-BI content within report			

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
120		Data can be viewed as reports, charts, graphics, etc.		
121		Generates of table of contents on demand		
122		On-demand pagination of table of contents		
123		Drill-through analysis		
124		Searches, filters, and sorts data		
125		Report prompts give multiple selection criteria		
126		Ad hoc reporting into any application		
127		Drills down within a PDF to other data sources		
128		PDF drill down within the PDF document		
129		Is there the ability to define multiple regions in a single report so that a comprehensive report may be easily created within four or less clicks of a mouse?		
130		Does the user have the ability to click on a retrieved data element to drill down to the detailed levels, and further drill down to other data elements?		
131		Does the user have the ability to add sorting, filters, and rollups to data on a report?		
132		Do reports provide user instructions that are designated by a pop-up window that prompts the user to the drill down for more detailed information related to the presented report?		
133	Do reports allow the user to insert total lines in a variety of regions on a report using comprehensive totaling and subtotaling logic?			

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
134		Does the report allow users to add comments for personal purposes?		
135		Does the authoring tool allow users to create reports quickly by picking data elements while viewing the report format?		
136		Does the authoring tool easily identify linkages between tables?		
137		Are reports exportable to standard MS Office 2003 and 2007 products?		
138		Are reports exportable to a PDF file?		
139		Do users have the ability to send reports via e-mail?		
140		Do users have the ability to send reports via Text Message?		
141		Can reports be distributed and viewed on windows mobile and Blackberry devices?		
142		Can reports incorporate full color charts and graphs based on report data?		
143		Can charts in reports be changed on the fly to other types such as pie, bar, and line?		
144		Can report templates be created that have the ability to be cloned and modified for other purposes?		
145		Does the authoring tool have a wizard interface?		
146		Can reports be distributed due to event triggers to dashboard alert area?		
147		Can reports allow images and photos for user reports from multiple standard image formats?		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
148		Can reports access multiple image file systems with multiple standard image formats? Please specify types		
149		Has the solution been successfully integrated with the Highland OnBase document imaging system?		
150		Has the solution been successfully integrated with Records Managements and CAD systems?		
151		Can reports be sent to an archive center in the report solution for future reference?		
152		Can reports have dynamic links to external applications?		
153		Can third party Web Services/Web Parts be added to reports?		
154		How many hours of training will an end user need in order to build a report with drill down capabilities?		
155		Does the average end user need to have more than an hour of training to learn how to access reports in the dashboard?		
156		Can the solution import / export numerous types of file formats? Please specify		
157		Can the solution transfer information between software applications?		
158		Does the solution have a utility to easily produce customized reports for additional functions?		
159		Does the solution allow reports to be built from multiple data stores?		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
160		Does the solution allow users to exchange colorful interactive bar graphs, bar charts, and pie Charts, gauge meters, and slider graphs on the reports?		
161		Does the solution allow users to flip between various graphs and charts, and the other graphing techniques at will?		
162		Is the solution able to access and generate reports from external data stores from different counties, fusion centers, and state agencies?		
163		Are reports enabled with the ability to allow power users to design them with visual impact that allow a report to have multiple fonts, pitches, colors, charts, graphs, meters, gauges, and GIS maps?		
164		Do charts and graphs change results based on a drill down click, selection from a drop down, movement from a slider, and ESRI map interactions?		
165		Do mapped reports interact with other reports presented on the dashboard?		
166		If selection area of map display changes, does other attached reports change based on selection made, such as buffer zone established?		
167		Does the solution allow easy to use keyword searches for records?		
168		<b>Formatting</b>		
169		Graphic image support (such as BMP, TIFF, PCX, TGA)		
170		Guidelines and vertical rulers		
171		Auto-arrange fields		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
172		<b>SQL Functionality for Report Creation</b>		
173		SQL database access		
174		SQL "merge" command		
175		SQL "with" clause		
176		Reports created from an outside source can be uploaded into tool .xls, .txt. etc.		
177		Creates SQL reports via stored procedure		
178		Creates graphs		
179		Establishes thresholds		
180		OLAP services		
181		Report scheduling		
182		Web report execution		
183		Security group access control		
184		Percentile calculations, ranks, and distributions		
185		<b>Calculation Capabilities</b>		
186		Statistical and hypothesis testing		
187		Fast query performance		
188		Real time forecasting		
189		Universal transaction to any communication device, wired or wireless		
190		Complex query IF-THEN-ELSE logic		
191		Custom function plug-ins for customers who designed algorithms for calculating scores and other statistical models		
192		Add calculations such as sum, average, moving average, and count to reports		
193		Functions		
194		Custom functions		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
195		Wizard functionality creates simple or compound metrics		
196		Performs null and zero value checks to identify how to handle data		
197		Imports filter elements from .xls or .txt files		
198		<b>Report Types</b>		
199		Cross-tab reports		
200		Form-style reports		
201		Sub-reports		
202		Conditional reports		
203		Top/bottom reports		
204		Drill-down/summary reports		
205		OLAP reports		
206		Tabular reports or data visualization-enabled reports		
207		Financial reports		
208		Compound reports that combine several reports into a single PDF file		
209		Parameterized reports using run-time filtering		
210		Sorting and grouping		
211		Pivoting		
212		<b>Graphs and Charts</b>		
213		Bar charts		
214		Stacked bar		
215		Column		
216		Stacked column		
217		Line charts		
218		Area		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
219		Numeric or date/time x-axis		
220		Pie/doughnut		
221		Scatter plots		
222		Bubble		
223		Gauge		
224		Gantt		
225		Funnel		
226		Multiple 2D and 3D charts		
227		Histograms		
228		Data constellations		
229		Time tables		
230		Charts and plots		
231		Histograms		
232		Scatter plots		
233		GIS mapping		
234		Dot density		
235		Waterfall		
236		Trend		
237		Color coding		
238		Peer graphics		
239		Changes graphical views in real time		
240		Zooming		
241		Customer KPIs		
242		Graphically displays Gantt charts and networks		
243		Interactive chart		
244		Chart description		
245		Chart legend		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
246		Control limitations		
247		<b>Mapping Capabilities</b>		
248		Users can toggle between a map and business intelligence application		
249		Mapping capabilities to view and analyze data with a geographical or spatial component in the context of a physical location		
250				
251		<b>Integration with Microsoft Office and Others</b>		
252		Automatically generates Excel PivotTables from the application		
253		Reads and updates Microsoft Access and Microsoft SQL Server databases from within the application		
254		Exports data into new Excel spreadsheet		
255		Exports to Excel template		
256		Embedded Excel		
257		Exports to XML		
258		Exports to PDF		
259		Exports to character-separated values		
260		Exports to disk		
261		Exports to ODBC databases		
262		Exports to lotus notes		
263		Exports to Microsoft Exchange		
264		Exports to Microsoft Mail		
265		Automatically generates summations and calculations within Excel		
266	Excel pagination (across multiple worksheets)			

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
267				
268		<b>Distribution and Archiving</b>		
269		Electronically distributes of any content via preferred delivery vehicles, e-mail, FTP, or network printers or fax		
270		Scheduled delivery		
271		Alert or event-driven delivery		
272		Archiving of reports or any other content		
273		Expiration and versioning		
274		Two-way e-mail		
275		.NET reporting component		
276		Delivers reports via portals		
277		Delivers reports via e-mail		
278		delivers reports via Adobe Acrobat		
279		Reports can be distributed on a scheduled or alert-driven basis		
280		Reports are accessible to mobile users		
281		<b>Analysis Capabilities</b>		
282		Analysis of variance		
283		Regression analysis		
284		Decision analysis and decision tree display		
285		Cluster analysis		
286		What-if analysis		
287		Guided analysis with analytic workflows		
288		Drill-down capabilities to find root causes		
289		<b>Exploration Tools</b>		
290		Executive-level analytical interface		
291		Predictive modeling		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
292		Generates customer profiling data		
293		Predefined queries		
294		Interactive graphic interface		
295		<b>Scorecards</b>		
296		Setting strategic objectives for each perspective		
297		Aligns strategic objectives with perspectives		
298		Assigns targets to measures		
299		Creates individualized scorecards		
300		Online automatic user notification of changes to a metric status		
301		Incorporates all enterprise data from every business process		
302		Delivers scorecards via intranet, extranet, or e-mail		
303		Scorecard functionality integration with reports, graphs, charts, and analysis tools		
304		Scorecard functionality integration with documents, spreadsheets and web sites		
305		Event-driven and cascading alerts		
306		Creates strategy maps, impact analysis and cause-and-effect diagrams		
307		Analysis of the measure results against its target		
308		Automatically generates interface tables and summaries, optimizing data loading, and query performance		
309		Responsibility-based security restricts user access to required data granularity, scorecards and measures		
310		<b>Dashboards</b>		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
311		Updates, edits, and changes look and feel of UI at individual user level		
312		Establishes KPIs or metrics		
313		Access to multiple enterprise data resources		
314		Real-time data update capability		
315		Customizable at user level		
316		Drill down capabilities		
317		Drag and drop		
318		Built-in pre-defined metrics		
319		Web-based		
320		KPI and alert customization		
321		Indicators and links to reports and shared documents		
322		Provides automated scheduling		
323		Can reports be printed from dashboard fully formatted as well as in plain text format?		
324		<b>Analytics</b>	<b>Predictive Analytics</b>	
325	Regression algorithm			
326	Scoring			
327	Classification			
328	Groupings			
329	Clustering			
330	Time series analyses predicts patterns and trends in data over time			
331	Association rules identifies patterns in transaction data for describing which events frequently occur together			
332	Sequence coder aggregates events into a series of transitions			

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
333		Self-service reporting and guided analysis for users		
334		Drill anywhere capabilities to help users "drill" into detail as represented by their business models		
335		<b>Forecasting</b>		
336		Automatic forecasting		
337		The forecasting process, hierarchy, parameters, and business rules can be set up through an interactive graphical interface		
338		Generates exception reports based on sound statistical logic and business rules		
339		Publishes results automatically via a company portal or the Internet		
340		Aggregates transactional data into time series format		
341		Accumulates data into any frequency time series		
342		Several output data sets are available, including forecasts, goodness-of-fit statistics, model parameters, seasonal and trend statistics, etc.		
343		<b>Data Mining</b>		
344		Data capturing solution with multiple types of data, languages, and protocols support		
345		Accesses data in remote databases		
346		Accesses data held in ODBC-compliant database		
347		Accesses data in flat files, SAS data sets, Microsoft Excel, IBM Visual Warehouse, and Oracle Express		
348		Accesses web site data		
349		Uses various data cleansing options to remove or replace invalid data and automatically fill in missing values		
350		Automatically selects appropriate algorithms for prediction, clustering, and modeling etc.		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
351		Partitions data into training, test, and validation datasets		
352		Works with complete record and field operations, including field filtering, naming, derivation, re-categorization, and value replacement		
353		Records can be selected according to multiple criteria		
354		Records selection, sampling, merging, and concatenating, sorting, aggregation. and balancing		
355		Randomized sampling		
356		Creates union, intersection, or complement of datasets		
357		Drill-through feature selects data points from a chart to create a new dataset		
358		Splits data into n-tile percentage intervals for any numerical variable		
359		Mines data in database where it resides within data modeling functionality		
360		Uses linear regression, logistic regression, and multinomial logistic regression		
361		Views model equations and advanced statistical output		
362		Uses clustering and segmentation techniques Kohonen networks, K-means, and TwoStep		
363		Filters, sorts, and creates subsets of association models		
364		Metric-based predictive input metrics		
365		Conditional predictive input metrics		
366		Drill down capabilities		
367		Accesses numerous forms of textual data such as PDF, extended ASCII text, HTML, Microsoft Word, and Open Document format		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
368		Reads and writes common file formats such as HTML, XML, PDF, DOC, CSV, TSV, images, databases, etc.		
369		Integration options include Java, .NET, ActiveX, C++, and allowing queries to become Web services		
370		Facilities for error trapping and reporting		
371		<b>Statistical Analytics</b>		
372		Variance balanced and unbalanced designs		
373		Least squares regression including stepwise regression		
374		Diagnostic measures		
375		Robust regression		
376		Loess regression		
377		Nonlinear regression		
378		Linear and logistic		
379		Stepwise, forward, and backward selection		
380		Logistic regression and log linear models		
381		Hierarchical clustering of multivariate data or distance data		
382		Disjoint clustering of large data sets		
383		Nonparametric clustering with hypothesis tests for the number of clusters		
384		Sets up the forecasting process, hierarchy, parameters and business rules		
385		Trend analysis		
386		Government data such as the US Bureau of Economic Analysis and the US Bureau of Labor Statistics		
387		<b>OLAP</b>		
388		Processing millions of rows with sub-second response time		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
389		Loading data from virtually unlimited number of data sources		
390		Dynamic data filtering, pivoting, drill-down and roll-up		
391		Interactive drill-down into multiple detail levels		
392		Alternate drill paths to view different perspectives on the same data		
393		Shows/hides detail levels in summary views		
394		Interactive filtering of dimension data values		
395		Sorts table by dimension members or fact values		
396		Switches between ascending and descending sort orders in real time		
397		Automatic sizing of columns and rows to fit values into cells		
398		Clipboard copy and paste		
399		Exporting reports into HTML format		
400		Builds presentation quality, colored, or grayscale reports with zero programming		
401		Printing features include page setup, zoom, scale, and fit to page		
402		Exception highlighting		
403		Drag and drop functionality		
404		Integrates into any web application		
405		Flat appearance, ideal for HTML pages		
406		Reads compact reports by HTTP and FTP		
407		Multiple aggregation functions: sum, min, max, count, and others		
408		Calculated facts, based on predefined functions or user-defined formulas		
409		Multidimensional formula language allows to operate with totals, subtotals, and any elements of cube data		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
410		Conditional operators, built-in functions, user-defined functions and constants in formulas		
411		Bases multiple calculated facts on other calculated facts		
412		Interactive Excel-like custom formula definition		
413		Several types of count algorithms, e.g. records count, count in group, child count, leaf count		
414		Several percentage calculation algorithms, e.g., by totals, subtotals, or grand totals		
415		Breaks date and time fields into series dimensions (year, quarter, month, week, ten-day period, day of month, day of week, time, hour, minute, second )		
416		Date and time-based calculations, such as trend, variance, and cumulative sum functions		
417		Dynamically calculates statistic functions e.g., average, variance, standard deviation, root mean square, variance ratio		
418		Real time control over all appearance properties at design and at runtime		
419		Cascading conditional style rules to highlight various data in the grid		
420		Runtime editors for connection settings, fields used, report layout, header and footer, styles and rules		
421		Flat and 3D modes, Windows XP styles		
422		Stores both data and report layout settings in a single universal mobile report container		
423		Exports to other formats for analysis e.g., XLS, PDF, RFT, CSV, etc.		
424		Support Third party data sources		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
425		Administrator can edit, change, and restrict user access to measures and whole or partial dimensions in the web portal		
426		Scalable platform for storing and analyzing multi/terabyte data sets		
427		Centralized security		
428		Real time updates		
429	<b>Search Functions and Filters</b>	Does the solution allow the user to search all records simultaneously or limit searches using filters?		
430		Does the solution allow end users to sort their search results?		
431		Does the solution allow search/filtered results to be e-mailed?		
432		Does the solution allow search results to be exported to MS Office 2003 and 2007 standard products, and PDF and e-mailed?		
433		Does the solution allow users to print search results?		
434		Does the solution allow end users to be able to save commonly used searches?		
435		Does the solution utilize Boolean search terms to filter searches?		
436	<b>Report Scheduler</b>	Does the system include report scheduling capabilities		
437		Can reports be distributed via Email		
438		Can reports be distributed to both individual users and/or groups		
439		Can reports be distributed via Text Message		
440		Do Emailed or Texted reports include full report or lonely link back to report on server		
441		Can reports be directed to specific network printers		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
442		Does reporting component include versioning		
443		Does reporting component include capability to archive run reports to history		
444		Define how security controls access to which reports an end user can see and run.		
445	<b>Alerts and Triggers</b>	Does the system have capabilities to define data thresholds that in turn trigger alerts?		
446		Are alerts definable by user or group?		
447		Can alerts be sent via Email?		
448		Can alerts be sent via Text Message?		
449		Generates and manages notifications and alerts, including how the alerts are registered, logged, and to whom they are posted		
450		Deadline triggers (e.g., date, day-of-month, hour)		
451		Threshold triggers (e.g., based on predefined attribute values for work-items, such as all claims over \$1,000 should generate alerts)		
452		Different types of events that can be defined as triggers of automatic actions, including timer triggers		
453		Scheduled triggers (periodic events, such as every eight hours or every week)		
454		External triggering events (an external application message or an operating system event)		
455		Automatically launches external applications or processes as a result of a trigger activating		
456		Alerts mechanism determines whether the alerts are posted through an e-mail system, shown as a pop-up window, or created and routed as a special work-item		
457		Alert logging and maintenance keeps an audit trail of the alerts that are triggered along a process		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
458	<b>Data Integration</b>	Event-based change data capture		
459		Bulk data movement		
460		Explores raw data in disparate systems to uncover relationships and discrepancies between and within data sets		
461		Source data can be selected from multiple tables in a SQL join		
462		Conditional and mathematic data transformations		
463		Query parsing		
464		User-defined SQL statements execution		
465		Data landing on disc not required		
466		Users can implement their own business rules to identify customers within datasets (e.g., household, family, or individual)		
467		Assigns a unique identification number for each record to create relationships between distinctly different sets of data		
468		Combines records by matching different forms of the same name		
469		Recognizes matches within different sources of data to create a unified view		
470		Aggregates, joins, merges, and applies selection criteria		
471		Testing and debugging tools		
472		<b>Data Platform Support</b>		
473		Oracle 8i, 9i, 10g		
474		MS SQL Server 7, 2000		
475		MS Access		
476		MS Excel		
477		SharePoint		
478	Text			
479	XML			

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
480		VSAM		
481		IMS		
482		ODBC		
483		Mainframe DB2		
484		Windows NT/XP/2003		
485		OS/390, z/OS		
486		Distributed data quality processes across a Web-enabled network		
487		Web Services		
488		Java-based services with callable EJBs		
489		Microsoft.NET platform compatibility		
490		Integrated SOA		
491		XML protocol support		
492		SOAP protocol support		
493		WSDL protocol support		
494		<b>Administration and Development</b>		
495		Centralized administration console or component		
496		Graphical user environments		
497		Log reporting of successful ETL loads/produce audit and operational reports for each data load		
498		Produces audit and operational reports for each data load		
499		Analyzes transformations that failed to be accepted by the ETL process		
500		Schedules ETL sessions on time transfers or the occurrence of a specific event, including support for command-line scheduling using external scheduling programs		
501		Automated error reporting monitors failed ETL sessions		
502		Keeps records of changes to identify data comparison over time		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
503		Web-based orientation		
504		<b>Performance and Scalability</b>		
505		Security manager with high-granularity query/read/update and user/group/role access control across data sources		
506		XML support (to avoid coding)		
507		Object-to-relational translations or access to unstructured data		
508		One set of code supplies data access to many applications		
509		Monitors and tunes transactions within system to detect bottlenecks from a remote location		
510		Database directory (i.e., data dictionary/normalized data versions)		
511		View-caching		
512		Data indexing at the data item level		
513		Data streaming for query optimization over network		
514		Optimized, distributed query execution		
515		Standard access via SQL and XML		
516		OLTP ability to add, remove, or update		
517		Tools to move or copy data from multiple source data sources to a target aggregated-data repository		
518		Tools to access data from multiple data sources and then combine it temporarily for specific purposes, such as cross-database queries		
519		<b>Database Administration</b>		
520		Cross database administration allows monitoring and maintenance of multiple databases as if they were one database		
521		Administration across data sources		

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

No	Features / Information Request	Description	Yes/No	Answers / Elaboration & Comments
522		Identifies data sources, configures their access, and builds integrated views		
523		Monitors to ensure data mappings remain valid		
524		Provides cross-data-source access control, security, and single sign-on		
525		Recovery and log management across data sources enforces data integrity across data sources		
526		<b>Data Quality</b>		
527		Testing and debugging tools		
528		Wizards create business rules, test and edit data, and implement changes		
529		Graphical statistics assess whether new and modified rules are producing the desired effect, in real time		
530		Creates custom test data sets by modifying existing data files directly from the user interface		
531		Mapping debugger		
532		Creates public database links		
533		Advanced repository security and audit options		
534		Data enhancements options, such as e-mail and phone append, geo coding, and move updating		
535		Analyzes and reports data values, statistics, frequencies, and ranges		
536		Monitoring dashboards to monitor data quality activities		

## **1.2 Proposal General Hardware / Software Questions**

1. Provide a brief history of your company.
2. Document the qualifications that enable your firm to provide the solution requested by the Milwaukee County Sheriff's Office.
3. Describe the software products that will be used to develop this solution. Include version numbers, and release dates.
4. Number of client installs for this system?
5. Describe the minimum and maximum number of licenses available for both the server and workstations.
6. What is the minimum and recommended hardware/software configuration necessary to support the server software and client workstations?
7. What hardware platforms presently run your software? Please show manufacturer, model, operating system, O/S version and other pertinent hardware specifications.
8. What operating systems does the workstation software support?
9. What database does the system use?
10. Is the user interface Web based?
11. Is the administrative tool Web based?
12. Define how security is used to control access to system.
13. What is the ability to manage the program via a browser interface?
14. Will your software platform run on a virtual VMWare server?
15. Specify the programming language(s) used to write your system. Include for initial writing and present version.
16. List the database(s) used and supported by your system. Include version number.
17. How do you address software problems?
18. How is testing performed on the system?
19. Describe your upgrade procedures, version control and frequency of software updates/releases.
20. Describe your training program including initial and ongoing training. Estimate training time required for each type of user roles.
21. Provide detailed information on how the proposed solution allows the agency, or third parties to integrate with the database and data, including any available API (Application Programmers Interface) for the purposes of providing additional service functionality, such as Internet/Web, and other interactive services. Discuss any and all cost associated with integration.
22. List standard reports available on your system. Can you provide samples?

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

23. List standard file formats to which your system can export data and those from which it can import data.
24. Provide a system architecture diagram?
25. Do you have an escrow arrangement for your software code?
26. List standard file formats to which your system can export data and those from which it can import data.
27. Describe the learning curve that end users, power users, and administrators face with your solution?
28. Do you have a successful implementation with a municipality who uses your solution on mobile PCs utilizing cellular wireless connection, such as a Sprint or Verizon Air Card?
29. Is there any need to install software on individual PCs or laptops?
30. What hardware is required for a successful implementation, including servers and network infrastructure?
31. What are the hours of technical support, and who is the provider?
32. What are your support response times and priority levels?
33. How are priority levels determined?
34. Is your system capable of providing implementation services with dashboards customizable for general users, power users, administrator, and executive management?
35. Can your proposed solution create the following types of reports?
  - Executive Compstat type reports
  - Bolo Reports • Crime Report Summary scheduled for e-mail distribution every day 5:30 AM to executive staff
  - District or Zone Based Reports
  - History Reports generated because of dispatch call – event triggered
  - Last login update
  - Urgent Alert Reports – event triggered
23. Please explain how spatial reference maps interact with added custom reports features when the map is manipulated by using GIS tools such as buffer tool, pan, zoom, etc....
24. Please explain the interaction between custom reports and what gets reflected on a spatial reference map by moving report sliders, using report drill downs, adjusting KPI measures, etc....

### 1.3 Price Quote Summary

In addition to the Price Quote Summary, a detailed pricing sheet may be provided to illustrate line item cost breakdown of the proposed solution.

**Cost proposals must be submitted in a separate sealed envelope.** Any vendor submitting a pricing proposal with their Technical Proposal will be notified that they have been disqualified.

Item	Description	Factory P/N	Qty	\$ Price	\$ Total Cost	\$ S/H	Modification / Comment
1	Server System License Cost (necessary to support the proposed solution)			\$	\$	\$	
2	Operating System Cost			\$	\$	\$	
3	Client License Cost (Site License)			\$	\$	\$	
4	Database License Cost			\$	\$	\$	
5	Data Adapter License Costs (necessary to access data from SQL Server 2000/05/08, MS Access, DB2, MS Excel)			\$	\$	\$	
6	Misc Software/License Costs not listed above that are necessary to implement solution (Identify in comments)			\$	\$	\$	
7	Hardware necessary to implement solution			\$	\$	\$	
8	Installation Costs			\$	\$	\$	
9	Data Integration Costs			\$	\$	\$	
10	Report/Dashboard Development Costs			\$	\$	\$	
11	Training Cost (3 developers administration, and Train the Trainer for general users)			\$	\$	\$	
12	Year 1 Annual Support/Maintenance 24X7X365. Support costs for years 2-5 should be included in comments			\$	\$	\$	
13	Custom Web Entry application and Database (Data mart)			\$	\$	\$	

Milwaukee County Sheriff's Office –Business Intelligence Solution RFP

Item	Description	Factory P/N	Qty	\$ Price	\$ Total Cost	\$ S/H	Modification / Comment
14	Misc Costs - It is the Vendor's responsibility to list any other options and accessories needed to complete system			\$	\$	\$	
15	Optional Add On Feature 1(Please Elaborate)			\$	\$	\$	
16	Optional Add On Feature 2(Please Elaborate)			\$	\$	\$	
17	Anticipated Travel/Logging Expense			\$	\$	\$	
18	Shipping and Handling			\$	\$	\$	
<b>Total Proposal Cost</b>				\$	\$	\$	
#	Assumptions						
1							
2							
3							
4							
5							
6							
7							
8							
9							

Hourly Rate(s) for Development Resources	
Resource	Hourly Rate
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$

**Additional Information**