State of Colorado
Year 2000 Cost Estimates
Volume II -- Appendices

I M C

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August 1, 1997

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Appendix A

Glossary

Appendix A   Glossary

A

B

business impact Synonym for business level impact.

business level impact The nature of the result or effect on the State of Colorado or their clients of being unable to deliver service due to a non-compliant information system. For example the State may be exposed to legal liability if unable to meet it's statutory obligations. There are four levels of impact; fatal, critical, manageable and marginal.

C

compliant As in "Year 2000 compliant" means a system, process, or electronic device that has been tested or verified to work with a date of 20xx or later.

confidence factor (see also confidence factor rating) A number from 0% to 90%, expressed in increments of 10%, used to by the Year 2000 Project Office to indicate the presence of variability in a departmental Year 2000 cost estimate. Determined in the confidence factor review process.

confidence factor rating (same as confidence factor)   A number from 0% to 90%, expressed in increments of 10%, used to by the Year 2000 Project Office to indicate the presence of variability in a departmental Year 2000 cost estimate. Determined in the confidence factor review process.

cost confidence factor review process A process of interviews between the Year 2000 Project Office and department staff that confirmed the research assumptions and process used to determine the department Year 2000 cost estimate. A series of questions were asked to verify the depth of analysis and consistency of the estimate. Appendix E: Cost Confidence Factor White Paper describes this process in detail.

cost category Describes the grouping of cost estimate components in a standardized manner. There are five cost categories; external labor, internal labor, hardware, software, project expenses and other costs.   External labor represents the cost of contract staff required over available internal staff. Internal labor represents the value of internal staff assigned to Year 2000 work. Hardware includes the cost of procuring various computer related hardware for upgrade (mostly data center gear) or replacement.(mostly microcomputers). Software includes all software products necessary to support projects (i.e. configuration management tools, testing tools, new releases of languages or utilities) or replace currently used application

software. (i.e. COFRS core). Project expense includes all non product costs required to run a project such as training, office equipment, documentation, etc.. Other expense represents such things as central services internally billed CPU charges that do not fall clearly in to the other categories.

critical (see also business level impact) A type of business level impact. If a system designated as having a business level impact of critical fails to operate the State is exposed to potential liability. Any workaround is very painful and unlikely be sustainable for more than a short period.

D

E

embedded systems Electronic systems that are used to control, or supply a sub-function of a more complicated machine or apparatus or are a simple, single function computer. The user of the embedded system is typically a machine rather than a human operator. The use of embedded system is typically to control rather than to provide information. Examples of embedded systems include: Answering Machines, Calculators, Automobiles (Engine management/service interval prediction systems), Climate control systems, (HVAC)Computer based training (CBT) systems, Correctional Facilities, Electronic Time Management Systems (e.g. personal organizers), Electronically controlled clocks/watches, Elevators, Facilities Management systems, Fax machines, Hospital equipment and so forth. Please refer to Appendix B: Embedded System White Paper.

external labor (see also cost category) One of five cost categories; external labor, internal labor, hardware, software, project expenses and other costs.   External labor represents the cost of contract staff required over available internal staff.

F

fatal (see also business level impact) A type of business level impact. If a system designated as having a business level impact of fatal fails to operate the State is exposed to liability.   Workaround are impractical or not possible.

fiscal year The fiscal or accounting year for the State of Colorado is July 1 through June 30.

Footnote 141 The footnote to the 1998 State Budget Bill - SB 215, that states "Department of Personnel, Information Management Commission, Year 2000 Compliance -- It is the intent of the General Assembly that the Office of State Planning and Budgeting and the Commission on Information Management advise the Joint Budget Committee by August 1, 1997 of the total anticipated cost of "Year 2000" compliance by each state agency. Additionally, the Commission on Information Management will be responsible for certifying that each state agency is "Year 2000" compatible.".

G

H

hardware cost (see also cost category) The cost of replacing a piece of hardware such as a computer, disk drive or monitor.

I

impact (see also fatal, critical, manageable, marginal) The impact level a particular item has on business if it becomes non-functional.

Information Management Commission (IMC)or the Commission on Information Management Commission. The commission oversees strategic planning and sets policy for the state's information systems. In addition to the eight members appointed by the Governor, three executive directors of three principal departments shall be designated by the Governor. The remaining four will come from the private sector.

information systems as used in this report, those systems under the purview of the Information Management Commission.

interface as in two systems interface or exchange data. Interfaces may be within departments or include external interfaces, such as business partners.

internal labor (see also cost category) One of five cost categories; external labor, internal labor, hardware, software, project expenses and other costs. Internal labor represents the value of internal staff assigned to Year 2000 work.

inventory category (see also cost category) The type of inventory item: application system, hardware, networks, operating systems, system software, vendor application or unknown.

inventory phase The phase in the Year 2000 lifecycle where an inventory of computer systems is taken and documented.

J

K

L

leap year The year in which an extra day is added to the calendar at the end of February (February 29th). This occurs every 4 years.

lifecycle The phases that a system undergoes from inception to its retirement. The Year 2000 compliant lifecycle has six phases: inventory, assessment, detail planning, remediation, testing and implementation.

M

maintenance As used in the software development lifecycle, the maintenance portion is that part of the lifecycle after a system is in use. Maintenance is the effort necessary to make minor modifications and fix minor errors.

manageable (see also impact) With regard to the impact level on a department's business, manageable implies that there are workarounds. These workarounds are less invasive than those of critical impact levels and could be sustained for a longer period of time.

marginal (see also impact) With regard to the impact level on a department's business, marginal is a minor inconvenience, annoyance or irritation. Business will continue as usual.

methodology A defined process that details how steps are performed.

N

network A system of computers and communication devices that enable computers to communicate with each other and with computers outside their physical boundaries.

O

Office of State Planning and Budget This office provides the Governor with the program and financial planning capability required to establish action priorities consistent with the needs of the state and the budget and control capacity necessary to ensure the successful and efficient delivery of desired programs. It is the focal point providing overall policy and direction related to programming, budgeting, and budget-related efforts of the executive branch.

other cost (see also cost category) Costs not associated with a particular information system. An example is project management.

P

project expense (see also cost category) One of five cost categories; external labor, internal labor, hardware, software, project expenses and other costs. Project expense includes all non product costs required to run a project such as training, office equipment, documentation, etc..

project lifecycle (see also lifecycle) The lifecycle or phases of a project.

Q

R

remediation Modification to existing software to make it Year 2000 compliant.

Request for Proposal (RFP) A written solicitation of vendor proposals for a product or service. Part of the State purchasing process. Typically, results in a Statewide award that may be used by state departments to avoid having to repeat the procurement process on a department basis.

S

software cost (see also cost category) The cost of purchased software versus the cost of fixing in-house developed software.

T

U

V

W

X

Y

Year 2000 Nomenclature for the worldwide problem inherent in most computer systems, namely the inability to compute using years higher than 1999 or leap years.

Year 2000 compliance As in "Year 2000 compliant" means a system, process, or electronic device that has been tested or verified to work with a date of 20xx or later.

Z

Appendix B

Embedded System White Paper

Appendix B   Embedded System White Paper

The IMC Year 2000 Project Office is charged with estimating the cost of Statewide Year 2000 compliance. The scope of the project includes information systems and excludes embedded systems. This paper describes and attempts to define the difference between the two types of systems.

Information systems are considered those used by human operators to deliver services to clients of the State government. In general, these systems are the larger systems that are user programmable and modifiable by the department. This includes the systems traditionally reviewed by the IMC during the Information Management Annual Plan (IMAP) process. There are five large categories of information systems.

- Hardware
    - PC's
    - Mainframe
    - Minicomputers
    - Servers
    - Telephone System (PBX)
- Networks
    - Protocols
    - Operating Systems
    - Email
- Personal Computers
    - Operating Systems
    - Vendor Software
- System Tools
    - Utilities and special purpose software to manage applications
    - Database management software and file system software
    - Special purpose software used in conjunction with applications (i.e. imaging system software)

Application Software Systems
    - Vendor provided application software.

- In-house or "custom" built application

- This systems listed below are known as embedded systems. **Examples of embedded systems specifically <u>excluded</u> from the scope of the Year 2000 project office are:**
- Answering Machines
- Calculators
- Automobiles (Engine management/service interval prediction systems)
- Climate control systems (HVAC)
- Computer based training (CBT) systems
- Correctional Facilities
- Electronic Time Management Systems (e.g. personal organizers)
- Electronically controlled clocks/watches
- Elevators
- Facilities Management systems
- Fax machines
- Hospital equipment
- Lighting Systems
- Mail sort systems
- Mobile phones
- Pagers
- Photocopiers
- Postage machines
- Pre-printed forms (e.g. with dates such as 19__)
- Security Access Control Systems
- Stock Control Systems
- Telephones
- Time recording systems
- Traffic control systems
- TV systems
- Vaults
- VCR's

- Video Cameras/Camcorders
- Video Recorders

Appendix C

Executive Order D 0002 97

Appendix C   Executive Order D 0002 97

STATE OF COLORADO

EXECUTIVE CHAMBERS

136 State Capitol

Denver, Colorado 80203-1792

Phone (303) 866-2471

Roy Romer

Governor

D 0002 97

February 5, 1997

EXECUTIVE ORDER

COLORADO TECHNOLOGY LEADERSHIP

WHEREAS, technology is now an integral part of the day-to-day business of government; and

WHEREAS, substantial investment in technology infrastructure will be required; and

WHEREAS, no one organization has ownership or control of technology; and

WHEREAS, it is ineffective to provide technology services only on a department by department basis; and

WHEREAS, technology can be used to provide a more citizen friendly government.

NOW, THEREFORE, I, Roy Romer, Governor of the State of Colorado, pursuant to the authority vested in me under the statutes and

Constitution of the State of Colorado, DO HEREBY ORDER THAT:

1. A coordinated and collaborative approach to statewide technology leadership be implemented for strategic planning, agency technical

reviews, and the delivery of technical services.

2. The Executive Director of the Department of Personnel/General Support Services (GSS) and his staff, along with the Commission on

Information Management (IMC), will provide the leadership on statewide technology issues.

3. Executive directors of all state departments will continue to focus on making their individual department's technology initiatives as effective

as possible. In addition, they will work with GSS and the IMC to determine how their department programs fit into a statewide technology plan.

4. Several major technology initiatives will be high priorities over the next several years, including:

 a) Ensuring that the State of Colorado's information systems will be able to support the year 2000 date change;

 b) Leveraging the use of the State's network infrastructure;

 c) Developing and implementing technology standards on which future systems will be based;

 d) Strengthening the ongoing agency technical review process;

 e) Promoting the sharing of information and technology among all stakeholders, including state government, the business community, and

individual citizens to make state government more "customer friendly;" and

 f) Any request for new information systems shall avoid the duplication of systems and programs and shall investigate how it will work with all

stakeholders.

GIVEN under my hand and the Executive Seal of the State of Colorado, this 5th day of February, 1997.

Roy Romer

Governor

Appendix D

Inventory Detail Structure

Appendix D   Inventory Detail Structure

This appendix shows the inventory detail record captured for each information system in the State. Each field on the record is numbered and defined in the accompanying field description list. The filed description list was guideline the departments used for completing the inventory information. The IMC Year 2000 Project Office validated the inventory by interview with department staff. Figure D-1: Example Inventory Record, is the form given to the departments for detailed inventory submission.

EXAMPLE INVENTORY RECORD

Y2K DETAIL INVENTORY REPORT ① *General Support Services (CITS)*

② Agency ID	AMA ③ Item Name	Demo Entry
④ Item Description	Dummy Entry for Demo Report purposes.	
⑤ Project Manager	Len Vest	⑬ Est Failure Date — Friday, January 01, 1999
⑥ Category	Application System	⑭ Compl Plan Date — Sunday, June 01, 1997
⑦ Conversion Phase	Assessment	⑮ Est Compliance Date — Tuesday, June 30, 1998
⑧ Risk Level	High	⑯ Certification Date
⑨ Impact Level	Fatal	⑰ Internally Compl Date
⑩ Mitigation Type	Renovate	⑱ Intra-Ag Compl Date
⑪ Vendor Name		⑲ Inter-Ag Compl Date
⑫ Vendor Contact		⑳ Ext Compl Date

㉑ Language — COBOL ㉒ Language Version — VS ㉓ Nbr Pgms — 100 ㉔ Nbr LOC — 50000

㉕ File Type — VSAM ㉖ Nbr Files — 20 ㉗ Nbr Date Fields — 10 ㉘ Nbr Date Keys — 3

㉙ HW Make — HITACHI ㉚ HW Model — GX-8424 ㉛ HW Processor Type ㉜ HW Quantity — 0 ㉝ Operating System — MVS/ESA 5.2.2

㉞ Interface Item — COFRS ㉟ Flow Dir — To ㊱ Intf Type — Inter-Agency ㊲ Interface Org — General Support Services ㊳ Est Compl Dt — esday, June 30, 1998 ㊴ Act Compl Dt

Figure D: Detailed Inventory Form

Year 2000 Inventory Tracking
Data Element List as of 6/2/1997

Any questions or concerns regarding the Colorado Year 2000 Project Inventory process or data elements should be directed to your agency's Year 2000 Project Team contact. An example of a dummy inventory sheet along with a blank inventory collection sheet (if needed) is attached to this document.

GENERAL DATA

1. **Agency Name** - Name of state agency who owns the inventory item.

2. **Agency ID** - Three digit COFRS code to identify agency.

3. **Item Name** - Inventory item name; ex: COFRS, COIN, CUBS, etc. (use acronym where possible).

4. **Item Description** - Description of inventory item.

5. **Project Manager Name** - Person responsible for the inventory item's Year 2000 compliance effort.

6. **Category** - The type of inventory item (choose best one from list below).
   Application System (in-house supported application system)
   Hardware (computers, faxes, copiers, etc.)
   Networks (LANs, WANs, etc.)
   Operating Systems (MVS, Unix, Windows 3.1, Windows 95, etc.)
   System Software (Compilers, DBMSs, Software Configuration Management S/W, vendor Utilities, etc.)
   Vendor Application (vendor supported application system)
   Unknown (haven't determined yet)

7. **Conversion Phase** - The current status of inventory item's Year 2000 compliance.
   Unknown (haven't determined yet)
   Not Required (for example, the system is being replaced or retired)
   Vendor Responsible (vendor taking responsibility for compliance)
   Not Started (no Year 2000 activity started yet)
   New Development (new application being developed with compliance in mind)
   Inventory (determining inventory items and characteristics)
   Assessment (evaluating the extent of Year 2000 problem for item)
   Conversion (converting to be Year 2000 compliant)
   Testing (testing for Year 2000 compliance)
   Implementation (moving compliant system to production)

Awaiting Certification (waiting for Agency and State certification approval)
Certified Compliant (meets and is approved as Year 2000 compliant)

8.   **Risk Level** - Level of risk associated with trying to make item Year 2000
         compliant)
         Low (straightforward to convert to compliance)
         Medium (some conversion hurdles, but manageable)
         High (major concerns with ability to successfully convert)
         Unknown (haven't determined risk level yet)

9.   **Impact Level** - Impact level on business if item becomes non-functional.
         Fatal (Agency will be unable to complete required legal obligations or business
            functions if item fails to operate. Many people would be affected, either
            inside and/or outside the agency. Potential liability is a possibility.)
         Critical (Workarounds are short-term and highly invasive until the problem is
            resolved.)
         Manageable (Workarounds are less invasive and could be sustained for a
            longer period of time.)
         Marginal (Minor inconvenience, annoyance or irritation. Business will
            continue to function.)
         Unknown (Impact level hasn't been determined yet.)

10.   **Mitigation Type** - How inventory item's compliance to be dealt with.
         Replace (Either buy or develop a compliant replacement for the item using
            similar design.)
         Re-engineer (Re-design a totally new solution to the business problem using
            new technologies and architectures.)
         Retire (Stop using the item prior to its year 2000 failure point.)
         Review (You think item is already compliant, but it needs to be reviewed or
            tested to confirm.)
         Renovate (Modify the item to make it year 2000 compliant.)
         Vendor Comply (If a vendor is supporting the item, insure that the vendor has
            made the item compliant.)
         Unknown (Mitigation type hasn't been determined yet.)

11.   **Vendor Name** - If item is supported by a vendor, indicate vendor's name.

12.   **Vendor Contact** - If item is supported by a vendor, indicate a contact, if available.

13.   **Est Failure Date** - Date item will fail to function if not made compliant.

14.   **Compl Plan Date** - Date a written plan is in place to address item's Year 2000
         problem.

15.   **Est Compliance Date** - Date it is estimated the item will become compliant.

16.   **Certification Date** - Date item is declared Year 2000 compliant by appropriate authority.

17.   **Internally Compl Date** - The date the item is assessed to be ready for the Year 2000, other than for interface considerations (see next three terms).

18.   **Intra-Ag Compl Date** - The date the item is Year 2000 compliant in regard to interfaces within the same agency.

19.   **Inter-Ag Compl Date** - The date the item is Year 2000 compliant in regard to interfaces with other state agencies.

20.   **Ext Compl Date** - The date the item is Year 2000 compliant in regard to interfaces with organizations external to the state agencies.

LANGUAGE DATA
(for Application Software Category)

21.   **Language** - The language type of application (ex: COBOL, NATURAL, Assembler, etc.).

22.   **Language Version** - The version of the language being used.

23.   **Nbr Pgms** - The number of programs this item has for the language type.

24.   **Nbr LOC** - The number of lines of code (LOC) the programs have.

FILE DATA
(for Application Software Category)

25.   **File Type** - The type of file used in the application (ex: VSAM, ADABAS, ACCESS, etc.).

26.   **Nbr Files** - The number of files this item has for the file type.

27.   **Nbr Date Fields** - The number of date fields contained in the files.

28.   **Nbr Date Keys** - The number of date fields contained in the files that are used as keys.

HARDWARE DATA
(include for Application Software and Hardware Categories)

29. **HW Make** - The maker of the hardware (ex: IBM, HITACHI, DEC, HP, etc.).

30. **HW Model** - The model of the hardware (ex: 3000 or 9000 if HP).

31. **HW Processor Type** - The type of processor. This is more pertinent when entering Category of Hardware to inventory PCs (ex: Pentium 166, 386/40, etc.).

32. **HW Quantity** - The number of units in inventory. Only use this when entering Category of Hardware (ex: you may have 50 PCs of the same make, model and processor).

33. **Operating System** - The O/S used by the hardware (ex: MVS/ESA, MPE, Windows, DOS, etc.).

INTERFACE DATA
(for Application Software Category)

34. **Interface Item** - Provide a short name of the system the inventory item interfaces with.

35. **Flow Dir** - The direction of the interface data flow relative to the Interface Item:
To - going from the inventory item to the Interface Item.
From - coming from the Interface Item to the inventory item.
To/From - flowing both directions (To and From).

36. **Intf Type** - The type of interface:
Intra-Agency - Interface Item is within the agency.
Inter-Agency - Interface Item is in another agency within the State.
External - Interface Item is outside state agencies (ex: Feds, Banks, Etc.).

37. **Interface Org** - The name of the organization where the Interface Item resides (ex: Social Security Admin, Norwest Bank, EPA, etc.).

38. **Est Compl Dt** - Projected date in which the interface will be Year 2000 compliant.

39. **Act Compl Dt** - Actual date the interface becomes Year 2000 compliant.

NOTE: Budget data elements have been removed from the Microsoft ACCESS database and placed in a Microsoft EXCEL spreadsheet due to the level of detail being kept and the ease of manipulation within EXCEL.

Appendix E

Cost Confidence Factor White Paper

Appendix E   Cost Confidence Factor White Paper

This appendix lists a series of considerations that should be used to determine a confidence level in the cost estimate that results from the assessment phase of Y2K activity. These considerations are listed in priority order based on the importance of the information available or missing to the estimator.

- **Is the Inventory Complete?**

    The size and cost of the problem is directly related to the number of systems involved.

    Did the assessment consider a complete inventory of agency Y2K exposures?

    Did the assessment know about and consider the following items.

    - all agency systems and related components (applications)

    - utilities, software products (and/or upgrades) and services provided by the data center (CITS)

    - interfaces to/or from another agency, supplier or business partner

    - the physical environment that supports service delivery (PC's, phones, fax, other "imbedded" systems, form changes)

- **Does Each System Have a Decided Mitigation Approach?**

    It is very difficult to estimate the cost of bringing the system to compliance if a basic approach remains undecided.   For each system it must be clearly understood that the system will be retired, replaced or repaired for an estimate to be made.

- **Information Available to the Assessment**

    Once the number and nature of the systems/components/etc. is known and a basic approach to bringing the system to compliance is selected then the nature of the problem can be established and an estimate prepared. The techniques listed here produce increasing amounts of information and should, in the hands of a careful practitioner, produce more accurate estimates.

    - manual object and line counts
    - code scanning (i.e. ISPF "hits")
    - using an automated assessment tool or code "parser" with the results analyzed with some form of "industry knowledge (i.e. Platinum Reports)
    - pilot project results to validate an earlier estimate

- estimates refined by actual remediation work completed by the agency

- all of the above techniques refining estimates as more is learned and understood

- **Skill of the Estimate Author**

  The skill of the author of the assessment and resulting estimate is a factor in determining a confidence in the estimate. Those with estimating experience and knowledge of the application, the end-user customer and the anticipated remediation approach team have a decided advantage over those without such experience.

- **A Reasonable Plan Exists to bring each Inventoried System into Compliance**

  - The accuracy of an assessment or resulting estimates is related to the actual work planned to get the system into compliance. If there is a project or work plan for each system, component, interface, etc. this should greatly increase the confidence level in the assessment and resulting estimate. The value of a plan for estimating is directly related to plan authorship and content. Finding these things in your plan should increase confidence in a resulting estimate.

    - Project Manager assigned to bring the system into compliance wrote the plan.

    - Tasks are defined at work/effort levels of less than 1 man month.

    - Tasks are estimated and rollup to a project estimate.

    - A separate test plan exists and has been estimated in more detail than applying a "factor" to the construction effort.

- **The Estimate Sheet is Complete**

  Completing the estimate sheet supplied by the Y2K team demonstrates a working knowledge of the Y2K problem and solution. Completing this worksheet with more than just totals demonstrates a level of care and analysis was brought to the assessment process. The budget worksheet being used by the Y2K is represented on the following two pages. The first page represents the Cost Data for a single system. The second page represents the Summary cost data for an agency. The agency will be responsible for completing the shaded areas of these two worksheets.

- **Reasonableness Check**

  - All estimates should be subject to a reasonableness check. There is some history in estimating Y2K projects with some real world numbers.

  - What is reasonable? The Y2K team is currently researching various formulae, outside information and Y2K vendor experience. As this information becomes known the team will publish it by releasing additional versions of this document.

− Industry estimates currently range from $1.32 per LOC (in-house COBOL with automated tools) $1.97 (outsourced COBOL with automated tools) to $7.00 per LOC (outsourced 370 Assembler using no automated tools) for work completed in the first half of 1997. Current opinions and speculation sees labor cost inflating every 6 months. (Source: Gartner). This general information may or may not be applicable to a specific system or agency.

Appendix F

RFP and Associated Data

Appendix F   RFP and Associated Data

State of Colorado Overflow Computer Services RFP
Dated May 27, 1997
Closed June 27, 1997
Awarded July 18, 1997

SECTION I
ADMINISTRATIVE INFORMATION

A.   ISSUING OFFICE: This Request for Proposal (RFP) is issued for the State of Colorado by the Division of Purchasing for the benefit of the General Support Services, Division of Purchasing. The Division of Purchasing is the SOLE point of contact concerning this RFP. All communication must be done through the Division of Purchasing.

B.   INVITATION TO SUBMIT PROPOSALS: The State of Colorado is hereby contacting prospective offerors who have an interest or are known to do business relevant to this RFP. All interested offerors who were not contacted are invited to submit a proposal in accordance with the rules, procedures and dates set forth herein. In the event of "No Bid," please sign the State of Colorado Invitation for Bid form, indicating "No Bid" and return it to the Division of Purchasing.

C.   PURPOSE: This RFP provides prospective offerors with sufficient information to enable them to prepare and submit proposals for consideration by General Support Services, Division of Purchasing to satisfy the need for expert assistance in the completion of the goals of this RFP.

D.   SCOPE: This RFP contains the instructions governing the proposal to be submitted and the material to be included therein; mandatory requirements which must be met to be eligible for consideration; and other requirements to be met by each proposal.

E.   SCHEDULE OF ACTIVITIES: TIMELINE
                                                           (Local Time)
          1. RFP NOTICE SENT TO PROSPECTIVE OFFERORS   May 27, 1997
          2. PROSPECTIVE OFFERORS WRITTEN INQUIRY
                DEADLINE (NO QUESTIONS ACCEPTED AFTER
                THIS DATE)   June 11, 1997 5:00 PM
          3. SUBMIT   8   COPIES OF THE PROPOSAL   June 27,1997 2:30 PM
          4. CONTRACT PERIOD   07/01/97 THRU 06/30/98
          5. THE RESULTING CONTRACT MAY BE RENEWED
              FOR :   4 additional 1 year Periods
       AT THE SOLE DISCRETION OF THE STATE

F.   INQUIRIES: Offerors may make written or fax inquiries concerning this RFP to obtain clarification of requirements. No inquiries will be accepted after the date and time indicated in the Schedule of Activities. Send all inquiries to:

                    Division of Purchasing
                    225 East 16th Ave., Suite 900
                    Denver, CO 80203-1613
                    FAX: (303) 894-7445
                    RFP No. NH-02697 Inquiry

Response to offeror's inquiries will be made in writing by the Division of Purchasing in a timely manner to all offerors. Responses to inquiries may also be made verbally and/or in writing at a pre-proposal conference.

Offerors should not rely on any other statements that alter any specification or other term or condition of the RFP.

G.   MODIFICATION OR WITHDRAWAL OF PROPOSALS: Proposals may be modified or withdrawn by the offeror prior to the established due date and time.

H.   PROPOSAL SUBMISSION: Proposals must be received on or before the date and time indicated in the Schedule of Activities. Late proposals will not be accepted. It is the responsibility of the offeror to ensure that the proposal is received by the Division of Purchasing on or before the proposal opening date and time. Offerors mailing their proposals shall allow sufficient mail delivery time to ensure receipt of their proposals by the time specified. The proposal package shall be delivered or sent by mail to:

> Division of Purchasing
> 225 East 16th Ave., Suite 900
> Denver, Co. 80203-1613
> Attention: Norma Husky

The State of Colorado Invitation for Bid form MUST be signed in ink by the offeror or an officer of the offeror legally authorized to bind the offeror to the proposal.

Proposals which are determined to be at a variance with this requirement may not be accepted.

Proposals must be submitted and sealed in a package with an appropriate label affixed. The label   must   show   the following information.

OFFEROR'S NAME
RFP-NO.
PROPOSAL DUE DATE AND TIME

The Division of Purchasing desires and encourages that proposals be submitted on recycled paper, printed on both sides. While the appearance of proposals and professional presentation is important, the use of non-recyclable or non-recycled glossy paper is discouraged.

I.   ADDENDUM OR SUPPLEMENT TO REQUEST FOR PROPOSAL: In the event that it becomes necessary to revise any part of this RFP, an addendum will be provided to each offeror who received the original RFP. It is the offeror's responsibility to make known to the Division of Purchasing its interest in the RFP if it has not received the RFP in a direct mailing from the Division of Purchasing.

J.   ORAL PRESENTATIONS/SITE VISITS: Offerors may be asked to make oral presentations or to make their facilities available for a site inspection by the evaluation committee. Such presentations and/or site visits will be at the offeror's expense.

K.   ACCEPTANCE OF RFP TERMS: A proposal submitted in response to this RFP shall constitute a binding offer. Acknowledgment of this condition shall be indicated by the autographic signature of the offeror or an officer of the offeror legally authorized to execute contractual obligations. A submission in response to this RFP acknowledges acceptance by the offeror of all terms and conditions including compensation, as set forth herein. An offeror shall identify clearly and thoroughly any variations between its proposal and the State's RFP. Failure to do so shall be deemed a waiver of any rights to subsequently modify the terms of performance, except as outlined or specified in the RFP.

L.   PROTESTED SOLICITATIONS AND AWARDS: Any actual or prospective offeror or contractor who is aggrieved in connection with the solicitation or award of a contract may protest to the state purchasing director or the head of a purchasing agency, as appropriate. The protest shall be submitted in writing within seven working days after such aggrieved person knows, or should have known, of the facts giving rise thereto. Ref. Section 24-109, 101 et. seq., C.R.S., as amended; Section 24-109, 201 et. seq., C.R.S. as amended; Section R-24-109-101 through R-24-109-206, Colorado Procurement Rules.

M.   CONFIDENTIAL/PROPRIETARY INFORMATION: Any restrictions of the use or inspection of material contained within the proposal shall be clearly stated in the proposal itself. Written requests for confidentiality shall be submitted, by the offeror with the proposal. The offeror must state specifically what elements of the proposal are to be considered confidential/proprietary.

Confidential/proprietary information must be readily identified,
marked and separated/packaged from the rest of the proposal.
Co-mingling of confidential/proprietary and other information is
NOT acceptable. Neither a proposal, in its entirety, nor proposal
price information will be considered confidential and proprietary.
Any information that will be included in any resulting contract

cannot be considered confidential.

The Division of Purchasing will make a written determination as to the apparent validity of any request for confidentiality. The written decision of the Division of Purchasing will be sent to the offeror. Ref. Section 24-72-201 et. seq., C.R.S., as amended, Public (open) Records.

N.   RFP RESPONSE MATERIAL OWNERSHIP: All material submitted regarding this RFP becomes the property of the State of Colorado. Proposals may be reviewed by any person after the "Notice of Intent to Make an Award" letter has been issued, subject to the terms of Section 24-72-201 et. seq., C.R.S., as amended, Public (open) Records. The State of Colorado has the right to use any or all information/material presented in reply to the RFP, subject to limitations outlined in Proprietary/ Confidential Information. Disqualification of an offeror does not eliminate this right.

O.   PROPOSAL PRICES: Estimated proposal prices are not acceptable. Best and final offers cannot be considered in determining the apparent successful offeror.

P.   SELECTION OF PROPOSAL: All offerors will be notified in writing regarding the results of the RFP evaluation. Upon review and approval of the evaluation committee's recommendation for award, the Division of Purchasing will issue a "Notice of Intent to Make an Award" letter to the apparent successful offeror. A contract must be completed and signed by all parties concerned on or before the date indicated in the Schedule of Activities. If this date is not met, through no fault of the State, the State may elect to cancel the "Notice of Intent to Make an Award" letter and make the award to the next most advantageous offeror.

Q.   AWARD OF CONTRACT: The award will be made to that offeror whose proposal, conforming to the RFP, will be the most advantageous to the State of Colorado, price and other factors considered.

R.   ACCEPTANCE OF PROPOSAL CONTENT: The contents of the proposal (including persons specified to implement the project) of the successful offeror will become contractual obligations if acquisition action ensues. Failure of the successful offeror to accept these obligations in a contract, purchase document, delivery order or similar acquisition instrument may result in cancellation of the award and such offeror may be removed from future solicitations.

S.   STANDARD CONTRACT: The State of Colorado will incorporate standard State contract provisions (Special Provisions) into any contract resulting from this RFP.

T.   RFP CANCELLATION: The State reserves the right to cancel this Request for Proposal at any time, without penalty.

U.   STATE OWNERSHIP OF CONTRACT PRODUCTS/SERVICES: Proposals, upon established opening time, become the property of the State of Colorado. All products/services produced in response to the contract resulting from this RFP will be the sole property of the State of Colorado. The contents of the successful offeror's proposal will become contractual obligations.

V.   INCURRING COSTS: The State of Colorado is not liable for any cost incurred by offerors prior to issuance of a legally executed contract or procurement document. No property interest, of any nature shall occur until a contract is awarded and signed by all concerned parties.

W.   MINORITY-OWNED/WOMAN-OWNED BUSINESS ENTERPRISE PARTICIPATION: It is the State's intent to achieve the goals of the Governor's Executive Orders D0055-87 and D0005-94 regarding minority/woman-owned businesses. Offerors are reminded it is illegal to discriminate. A successful offeror must complete a vendor MBE/WBE participation status form, before a contract can be finalized.

X.   NON-DISCRIMINATION: The offeror shall comply with all applicable state and federal laws, rules and regulations involving non-discrimination on the basis of race, color, religion, national origin, age or sex.

Y.   REJECTION OF PROPOSALS: The State of Colorado reserves the right to reject any or all proposals and to waive informalities and minor irregularities in proposals received and to accept any portion of a proposal or all items proposed if deemed in the best interest of the State of Colorado.

AA.   PARENT COMPANY: If an offeror is owned or controlled by a parent company, the name, main office address and parent company's tax identification number shall be provided in the proposal.

BB.   NEWS RELEASES: News releases pertaining to this RFP shall NOT be made prior to execution of the contract without prior written approval by the State.

CC.   CONTRACT CANCELLATION: The State reserves the right to cancel, for cause, any contract resulting from this RFP by providing timely written notice to the contractor.

DD.   CERTIFICATION OF INDEPENDENT PRICE DETERMINATION:

     1. By submission of this proposal each offeror certifies,
     and in the case of a joint proposal each party, thereto

certifies as to its own organization, that in connection
with this procurement:

(a) The prices in this proposal have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other offeror or with any competitor;

(b) Unless otherwise required by law, the prices which have been quoted in this proposal have not been knowingly disclosed by the offeror and will not knowingly be disclosed by the offeror prior to opening, directly or indirectly to any other offeror or to any competitor; and

(c) No attempt has been made or will be made by the offeror to induce any other person or firm to submit or not to submit a proposal for the purpose of restricting competition.

2. Each person signing the Invitation for Bid form of this proposal certifies that:

(a) He is the person in the offeror's organization responsible within that organization for the decision as to the prices being offered herein and that he has not participated, and will not participate, in any action contrary to (1)(a) through (1)(c) above; or

He is not the person in the offeror's organization responsible within that organization for the decision as to the prices being offered herein but that he has been authorized in writing to act as agent for the persons responsible for such decision in certifying that such persons have not participated, and will not participate, in any action contrary to (1)(a) through (1)(c) above, and as their agent does hereby so certify; and he has not participated, and will not participate, in any action contrary to (1)(a) through (1)(c) above.

3. A proposal will not be considered for award where (1)(a), (1)(c), or (2) above has been deleted or modified. Where (1)(b) above has been deleted or modified, the proposal will not be considered for award unless the offeror furnishes with the proposal a signed statement which sets forth in detail the circumstances of the disclosure and the head of the agency, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

EE. TAXES: The State of Colorado, as purchaser, is exempt from all federal excise taxes under Chapter 32 of the Internal Revenue Code (Registration No. 84-730123K) and from all state and local government use taxes (Ref. Colorado Revised Statutes Chapter 39-26.114(a)). Our Colorado State and Local Sales Tax Exemption Number is 98-02565. Seller is hereby notified that when materials are purchased in certain political sub-divisions (for example - City of Denver) the seller may be required to pay sales tax even though the ultimate product or service is provided to the State of Colorado. This sales tax will not be reimbursed by the State.

FF. ASSIGNMENT AND DELEGATION: Except for assignment of antitrust claims, neither party to any resulting contract may assign or delegate any portion of the agreement without the prior written consent of the other party.

GG. AVAILABILITY OF FUNDS: Financial obligations of the State payable after the current fiscal year are contingent upon funds for that purpose being appropriated, budgeted and otherwise made available. In the event funds are not appropriated, any resulting contract will become null and void, without penalty to the State of Colorado.

HH. INDEPENDENT CONTRACTOR CLAUSE: All personal service contracts must contain the following clause:
"THE CONTRACTOR SHALL PERFORM ITS DUTIES HEREUNDER AS AN INDEPENDENT CONTRACTOR AND NOT AS AN EMPLOYEE. NEITHER THE CONTRACTOR NOR ANY AGENT OR EMPLOYEE OF THE CONTRACTOR SHALL BE OR SHALL BE DEEMED TO BE AN AGENT OR EMPLOYEE OF THE STATE. CONTRACTOR SHALL PAY WHEN DUE ALL REQUIRED EMPLOYMENT TAXES AND INCOME TAX WITHHOLDING, SHALL PROVIDE AND KEEP IN FORCE WORKER'S COMPENSATION (AND SHOW PROOF OF SUCH INSURANCE) AND UNEMPLOYMENT COMPENSATION INSURANCE IN THE AMOUNTS REQUIRED BY LAW, AND SHALL BE SOLELY RESPONSIBLE FOR THE ACTS OF THE CONTRACTOR, ITS EMPLOYEES AND AGENTS."

II.   INDEMNIFICATION: To the extent authorized by law, the contractor shall indemnify, save and hold harmless the State, its employees and agents, against any and all claims, damages, liability and court awards including costs, expenses, and attorney fees incurred as a result of any act or omission by the contractor or its employees, agents, subcontractors, or assignees pursuant to the terms of the contract resulting from this RFP.

JJ.   VENUE: The laws of the State of Colorado, U.S.A. shall govern in connection with the formation, performance and the legal enforcement of any resulting contract. Further, Title 24, C.R.S. as amended, Article 101 through 112 and Rules adopted to implement the statutes govern this procurement.

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KK.   SPECIAL PROVISIONS:

CONTROLLER'S APPROVAL

1. This contract shall not be deemed valid until it shall have been approved by the Controller of the State of Colorado or such assistant as he may designate. This provision is applicable to any contract involving the payment of money be the State.

FUND AVAILABILITY

2. Obligations of the State of Colorado payable after the current fiscal year are contingent upon funds for that purpose being appropriated, budgeted, and otherwise made available.

BOND REQUIREMENT

3. If this contract involves the payment of more than fifty thousand dollars for the construction, erection, repair, maintenance, or improvement of any building, road, bridge, viaduct, tunnel, excavation or other public work for this State, the contractor shall, before entering upon the performance of any such work included in this contract, duly execute and deliver to the State official who will sign the contract, a good and sufficient bond or other acceptable surety to be approved by said official in penal sum not less than one-half of the total amount payable by the terms of this contract. Such bond shall be duly executed by a qualified corporate surety conditioned upon the faithful performance of the contract and in addition, shall provide that if the contractor or his subcontractors fail to duly pay for any labor, materials, team hire, sustenance, provisions, provendor or other supplies used or consumed by such contractor or his subcontractor in performance of the work contracted to be done or fails to pay any person who supplies rental machinery, tools, or equipment in the prosecution of the work the surety will pay the same in an amount not exceeding the sum specified in the bond, together with interest at the rate of eight per cent per annum. Unless such bond is executed, delivered and filed, no claim in favor of the contractor arising under such contract shall be audited, allowed or paid. A certified or cashier's check or a bank money order payable to the Treasurer of the State of Colorado may be accepted in lieu of a bond. This provision is in compliance with CRS 38-26-106

DISCRIMINATION AND AFFIRMATIVE ACTION

4. The contractor agrees to comply with the letter and spirit of the Colorado Antidiscrimination Act of 1957, as amended and other applicable law respecting discrimination and unfair employment practices (CRS 24-34-402), and as required by Executive Order, Equal Opportunity and Affirmative Action, dated April 16, 1975. *Pursuant thereto, the following provisions shall be contained in all State contracts or sub-contracts.*

(a) The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, marital status, religion, ancestry, mental or physical handicap, or age. The contractor will take affirmative action to insure that applicants are employed, and that employees are treated during employment, without regard to the above mentioned characteristics. Such action shall include, but not be limited to the following: employment upgrading, demotion, or transfer, recruitment or recruitment advertisings; lay offs or terminations; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth provisions of this non-discrimination clause.

(b)   The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, national origin, sex, marital status, religion, ancestry, mental or physical handicap, or age.

(c)   The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, notice to be provided by the contracting officer, advising the labor union or workers' representative of the contractor's commitment under the Executive Order, Equal Opportunity and Affirmative Action, dated April 16, 1975, and of the rules, regulations, and relevant Orders of the Governor.

(d)   The contractor and labor unions will furnish all information and reports required by Executive Order, Equal Opportunity and Affirmative Action of April 16, 1975, and by the rules, regulations and Orders of the Governor, or pursuant thereto, and will permit access to his books, records and accounts by the contracting agency and the office of the Governor or his designee for purposes of investigation to ascertain compliance with such rules, regulations and orders.

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(e)   A labor organization will not exclude any individual otherwise qualified from full membership rights in such labor organization, or expel any such individual from membership in such labor organization or discriminate against any of its members in the full enjoyment of work opportunity because of race, creed, color, sex, national origin, or ancestry.

(f)   A labor organization, or the employees or members thereof will not aid, abet, incite, compel or coerce the doing of any act defined in this contract to be discriminatory or obstruct or prevent any person from complying with the provisions of the contract or any order issued thereunder; or attempt, either directly or indirectly, to commit any act defined in this contract to be discriminatory.

(g)   In the event of the contractor's non-compliance with the non-discrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further State contracts in accordance with procedures, authorized in Executive Order, Equal Opportunity and Affirmative Action of April 16, 1975 and the rules, regulations, or orders promulgated in accordance therewith, and such other sanctions as may be imposed and remedies as may be invoked as provided in Executive Order, Equal Opportunity and Affirmative Action of April 16, 1975, or by rules, regulations, or orders promulgated in accordance therewith, or as otherwise provided by law.

(h)   The contractor will include the provisions of paragraphs (a) through (h) in every sub-contract and subcontractor purchase order unless exempted by rules, regulations, or orders issued pursuant to Executive Order, Equal Opportunity and Affirmative Action of April 16, 1975, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any sub-contracting or purchase order as the contracting agency may direct, as a means of enforcing such provisions, including sanctions for non-compliance; provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation, with the subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the State of Colorado to enter into such litigation to protect the interest of the State of Colorado

COLORADO LABOR PREFERENCE

6a.   Provisions of CRS 8-17-101 & 102 for preference of Colorado labor are applicable to this contract if public works within the State are undertaken hereunder and are financed in whole or in part by State funds.

b. When a construction contract for a public project is to be awarded to a bidder, a resident bidder shall be allowed a preference against a non-resident bidder from a state or foreign country equal to the preference given or required by the state or foreign country in which the non-resident bidder is a resident. If it is determined by the officer responsible for awarding the bid that compliance with this subsection .06 may cause denial of federal funds which would otherwise be available or would otherwise be inconsistent with requirements of Federal law, this subsection shall be suspended, but only to the extent necessary to prevent denial of the money or to eliminate the inconsistency with Federal requirements (CRS 8-19-101 and 102).

GENERAL
7. The laws of the State of Colorado and rules and regulations issued pursuant thereto shall be applied in the interpretation, execution, and enforcement of this contract. Any provision of this contract whether or not incorporated herein by reference which provides for arbitration by an extra-judicial body or person or which is otherwise in conflict with said laws, rules, and regulations shall be considered null and void. Nothing contained in any provision incorporated herein by reference which purports to negate this or any other special provision in whole or in part shall be valid or enforceable or available in any action at law whether by way of complaint, defense, or otherwise. Any provision rendered null and void by the operation of this provision will not invalidate the remainder of this contract to the extent that the contract is capable of execution.

8. At all times during the performance of this contract, the Contractor shall strictly adhere to all applicable federal and state laws, rules, and regulations that have been or may hereafter be established.

9. The signatories aver that they are familiar with CRS 18-8-301, et. seq., (Bribery and Corrupt Influences) and CRS 18-8-401, et. seq., (Abuse of Public Office), and that no violation of such provisions is present.

10. The signatories aver that to their knowledge, no state employee has any personal or beneficial interest whatsoever in the service or property described herein:

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SECTION II

Purpose:
The intent of this Request for Proposal (RFP) is to enter into a Price Agreement(s) with firms specializing in information system support as covered herein.   A two tiered performance list of contractors will be made, it is anticipated that there will be a Primary list of contractors with approximately 5 contractors, and a Secondary list with approximately 10 or more contractors.   If contractors on the primary list cannot supply personnel for interviews or work on a timely basis, an agency can recommend to the Division of Purchasing, after two consecutive times, that contractor should be bumped to the secondary list. The Division of Purchasing will review these recommendations and make a determination. If the contractor cannot supply someone for interviews or work

three consecutive times on a timely basis they may be removed from the Price Agreement list.

Proposals for consideration for this project must contain evidence of the firm's experience and abilities in the specified areas directly related to the proposed work. Other information required by the State includes the submission of references, illustrative examples of similar work performed and ability to supply resources and any other information which will clearly demonstrate the offeror's expertise in the area of this solicitation.

Background:

In the past this was known as "overload" contracting, often used to fill out existing teams or to create entire teams managed by state staff for unanticipated work or work that lent itself to ad hoc teams. The overload concept essentially streamlines the procurement and fixes the rate of certain Information Technology (IT) resources making them available to individual agencies as quickly as the contractor could get them presented to agency management and onsite to work.   The Price Agreement is also to ensure, in addition to the normal requirements, that there exists a ready supplemental supply of Year 2000 (Y2K) project talent available on a timely basis. The estimated needs per year are between 150 and 300 additional overload resources. These needs are an estimate only and the State of Colorado does not guarantee any amount of work under this Price Agreement.

Period:
The initial Price Agreement will be for a period of three years with the option to renew for up to two additional one year periods. Financial obligations of the State payable after the current fiscal year are contingent upon funds being appropriated, budgeted and otherwise made available.

This Price Agreement can be used by any state agency, or institution for information technology project support services. Prices must remain firm for the first 6 months of the Price Agreement. Thereafter only one such increase/decrease will be allowed in any six month period. Any price increase/decrease requested shall be made in writing 30 days prior to the anticipated increase/decrease. Increases/decreases shall not be effective unless it has been approved by the Director of Purchasing or his/her designee. Contractor shall include a letter indicating the reason for the increase/decrease in their request for rate adjustments.

The rates paid by the State of Colorado will be those rates on file with the Division of Purchasing. The contractor acknowledges that the State of Colorado has the right to adjust any invoice that reflects incorrect rates.

Approval and Replacement of Assigned Programmers:
The State retains the right of approval of each individual proposed by the contractor, based on detailed resumes to be provided by the contractor and if needed, oral interviews. Any contractor assigned to a project under this contract who fails to perform satisfactory work, or comply with the State's work rules and procedures, or who in the opinion of the state fails to cooperate and work effectively with other project personnel, will be replaced by the contractor upon request by the State. A financial adjustment will be made that is acceptable to both the state and the contractor.

Confidentiality:
The contractor shall maintain the confidentiality of all information concerning the business of the State, financial affairs of employees, and other information specifically classified as confidential by the State.

Contractor shall execute an agreement with employees and agents to treat as confidential all information concerning the business of the State and financial affairs of employees, provided by the state's programs and other information specifically classified as confidential by the State in writing to contractor. The foregoing will not apply to:

> Information which the State has indicated in writing that does not need to be maintained in confidence.
>
> Information which at the time of disclosure is in the public domain by having been printed and published and available to the public in libraries or other public places where such data is usually collected.
>
> Information which after disclosure, becomes a part of the public domain as above defined, through no act of contractor.
>
> It is the responsibility of the contractor to notify the State of any potential conflict of interest between the contract employee and the State.

<u>Ownership of Information</u>:

The State shall have all ownership rights for all work products, computer programs and associated documentation developed under this Price Agreement.

<u>Payment</u>:

The State may select one of two Price Agreement payment methods. The method of payment will be stipulated on the purchase requisition and purchase order.

> Hourly compensation:
> The hourly rate is the Price Agreement rate in force at the time the work is contracted. The State will reimburse the contractor 100 percent of the invoice amount within 45 calendar days of receipt of invoice; or
> Fixed Price Program Compensation:
> Deliverable Price (=) Price Agreement rate at the start of the contract (x) the estimated hours approved by project director. The deliverable price cannot change until the deliverable is complete and accepted by the State. The State will reimburse the contractor 100 percent of the accepted invoice amount within 45 calendar days upon receipt of invoice.

<u>Work Effort and Assignments</u>:

Fixed Price Program:

This program is when the State elects to offer the contractor a Fixed Price Program opportunity, the State will provide specifications, documentation and other information, and make staff available for interviews to ensure that the work performed will fulfill State needs and requirements. The State and contractor will mutually review the systems, and programming documentation information and the other results of interviews to establish the acceptance of this documentation by agreeing on the number of hours necessary to complete the Fixed Price Program opportunity.

The number of hours to complete a project or deliverable will be reflected on a state purchase requisition and purchase order. The State shall designate a person as project manager, who will be responsible for performing guidance in the work efforts of the contractor. The contractor shall direct job related inquiries and requests of all nature to the project manager.

Once a person is selected for the assignment, it becomes the responsibility of the contractor to assure that this individual stays for the entire length of the assignment. If the individual does not stay and another person must be trained, it will be up to the contractor to make a financial adjustment that is acceptable to the State.

Hourly Compensation Program:

The number of hours to complete a project or deliverable will be reflected on a state purchase requisition and purchase order. The State shall designate a person as project manager, who will be responsible for performing guidance in the work efforts of the contractor. The contractor shall direct job related inquiries and requests of all nature to the project manager.

Once a person is selected for the assignment, it becomes the responsibility of the contractor to assure that this individual stays for the entire length of the assignment. If the individual does not stay and another person must be trained, it will be up to the contractor to make a financial adjustment that is acceptable to the State. If the number of hours for

completing the project is going to exceed what was originally agreed upon, the agency should be notified immediately and a mutual agreement be made.

<u>Facilities and Services to be Provided by the State:</u>

Project Manager or Designee - Person designated as the Project Manager will be available to answer questions and direct activities of the contractor with the state agency.

Computer Facilities - The contracting agency will make necessary facilities available for the contractors to compete their work.

Office Facilities - The contracting agency will provide the contractor adequate office space and furnishings to accomplish the task.

Work Rules - The contracting agency will provide the contractor with the working hours, operating procedures, and other work rules with which the contractor must comply.

For work requested outside a 50 mile radius of Denver, which requires a commute, the State will pay the current state travel rates and the state per diem for food and lodging.

<u>Volume Reports</u>:

Contractor will be required to submit quarterly volume reports to the Division of Purchasing showing total number of hours and the hourly rate per order and per agency. The first report will be due on or before the 15 day following the end of the each quarter. Failure to submit these reports in a timely manner may be cause for cancellation of the Price Agreement. The State reserves the right to inspect and audit the contractors records regarding any and all State projects performed by the contractor.

<center>SECTION IV</center>
<center>OFFERORS RESPONSE SECTION</center>

Submit __8__ copies of your Request for Proposal.

A.   Ability and Approach: This response will indicate your proposed plan to provide quality resources on a timely basis. You are expected to describe what your standard response time is for two situations.

> a. Availability for face to face interviews within 24/48 hours
> b. The elapsed time between State approval and start of work on
>   state premises.
> c. Necessary quality and quantity of resources requested in RFP through
>   the brevity, clarity and completeness of your written response.

B.   Company Credibility and Profile: This response should describes the offerors administrative and management resources, experience, and efficiency including profile of offerors firm, agency or organization . Please discuss any or all of the points listed below.

> 1. Profile of people who will be involved in the management, administration and implementation.
>
> 2. Offerors recruitment process.
>
> 3. Training offered to employees.
>
> 4. Yearly turnover of percent of total staff delivering billable service.
>
> 5. Average tenure of staff.

6. Maximum support, in terms of man-hours, that your proposal could provide for state projects.

7. Years in business.

8. Depth of Staff - Ability to bid multiple Skill Categories and Experience Levels.

C.   Fixed Price Assignments: This will look at the contractors' willingness at the initiation of the State, to enter into fixed price assignments on segments of work under $100,000.00 estimated based on prior hourly work completed by your staff and priced at the RFP hourly rate.   Willingness can by described four ways.

1.   Have experience with Fixed Price work and will fix price at State request.

2.   Have limited experience at fixed price work and will fix price at State request.

3.   Retain right to refuse state request to fix price.

4.   Do not wish to fix price.

D.   Cost: This response is for the offerors to state their hourly rates for various skill profiles . The sole objective of the evaluation committee will be to recommend those offerors whose proposals are most responsive to the State of Colorado needs while within the available resources.

Skill Profiles to Bid

Skill Category	Experience Level	Proposed Rate	Qualifications	Proposer Comments
Project Managers	Executive		8+ years direct experience managing multiple ongoing projects and/or larger than 15-20 man years	
	Senior		5+ years direct experience managing software maintenance or technology development projects larger than 15-20 man years	
	Intermediate		2-5 years experience managing software projects	
	Junior		Team Leader with project management training or <1 year project management experience.	
Y2K Project Analyst	Executive		8+ years direct experience managing or	

			administering larger maintenance projects (15+ man years). Experience with implementation of different technologies. Has established, directed and worked in a Project Office setup, operations and functions. Y2K experience in State or Federal gov't. Is desirable	
	Senior		5+ years direct experience managing or administering larger technology projects (10-15 man years). Has worked in a Project Office environment. Y2K experience in State or Federal gov't, is desirable	
	Intermediate		Has worked the Project Control Officer job handling the administrative load and plan updates for one or more projects excess of 10 man years	
	Junior		2-5 years experience managing software projects	
IT Business Analyst	Senior		5+ years leading a team that has charted business processes, conducted data modeling completed process decomposition, gathered user requirements, written and requirements documents.	
	Intermediate		2-5 years as member of	

			an IT team that has guided the user customer through requirements, charting business processes, data modeling, process decomposition, written requirements documents. system design and test.	
	Junior		Formal IT business analysis training <2 years part of IT business analysis team	
System Testing Analyst	Senior		5+ years having planned and directed testing efforts in large system environments on mission critical systems with multiple, systems and interfaces, for geographically distributed clients.	
	Intermediate		2-5 years experience with written test plans and scripts, designed test runs, documented results and aided interpretation for non-IT users. Directed small and sub-system level testing efforts.	
	Junior		Have formal training in software testing and <2 years software test experience.	
Natural/ ADABAS Programmer Analyst	Lead		5+ years	
	Intermediate		2-5 years	
	Junior		<2 years	
Natural/ ADABAS PROGRAMME	Lead		5+ years	

R ANALYST				
	Intermediate		2-5 years	
	Junior		<2 years	
COBOL Programmer Analyst	Lead		5+ years	
	Intermediate		2-5 years	
	Junior		<2 years	
COBOL Programmer	Lead		5+ years	
	Intermediate		2-5 years	
	Junior		<2 years	
Assembler Programmer Analyst	Lead		5+ years	
	Intermediate		2-5 years	
	Junior		<2 years	
Assembler	Lead		5+ years	
	Intermediate		2-5 years	
	Junior		<2 years	
Fortran/ Scientific Programmer Analyst	Lead		5+ years	
	Intermediate		2-5 years	
	Junior		<2 years	
Object Oriented Programmer	Lead		5+ years analyzing and building Graphical User Interface (GUI) systems with object oriented methods and tools including VisualBasic©, PowerBuilder©, C++, etc.	
	Intermediate		2-5 years	
	Junior		<2 years	
Focus Programmer	Lead		5+ years	
	Intermediate		2-5 years	
	Junior		<2 years	
MicroComputer Programmer	Lead		5+ years as leading and guiding a team building and implementing microcomputer systems	

			in Clipper©, dBase©, Foxpro©, Access©, etc., networked and standalone	
	Intermediate		2-5 years constructing microcomputer systems in Clipper©, dBase©, Foxpro©, Access©, etc., networked and standalone	
	Junior		<2 years experience constructing microcomputer systems in Clipper©, dBase©, Foxpro©, Access©, etc., networked and standalone	
Network Analyst	Lead		Conforms to state definition for Network Analyst/Administrator IV (see attachment "A")	
	Intermediate		Conforms to state definition for Network Analyst/Administrator III (see attachment "A")	
	Junior		Conforms to state definition for Network Analyst/Administrator II (see attachment "A")	
Network Technician	Lead		Conforms to state definition for Network Analyst/Administrator I (see attachment "A")	
	Intermediate		Conforms to state definition for Network Technician (see attachment "A")	
	Junior		Conforms to state definition for Network Services Intern (see attachment "A")	
Technical	Senior		5 years	

Documentation Writers				
	Intermediate		2-5 years	
	Junior		<2 years	

E.   Prior History in the Local Denver Market: This should describe the offerors experience and management in the local Denver market. An Offeror with past experience will be evaluated on the effectiveness of past performance in addition to administrative capability. Two reference letters with Point of Contact, Address and Phone number should be included.

SUBMISSION OF CONFIDENTIAL/PROPRIETARY INFORMATION
The State neither requests nor encourages the submission of confidential/proprietary information in response to this proposal. Information submitted will be open for public inspection. However, written requests for confidentiality can be submitted to the Division of Purchasing provided that the submission is in STRICT accordance with the following procedures. This remains the sole responsibility of the offeror.
The Division of Purchasing will make no attempt to cure any information that is found to be at a variance with this procedure. The offeror will not be given an opportunity to cure any variances after proposal opening. Neither a proposal, in its entirety, nor proposal price information will be considered confidential/proprietary.   Questions regarding the application of this procedure must be directed to the purchasing agent.
Procedure:
1.   Written request for confidentiality shall be submitted, by the offeror, with the proposal documents.
2.   The written request will be enclosed in an envelope marked "REQUEST FOR CONFIDENTIALITY", and attached to the cover of the Original copy of the offeror's proposal that contains the State of Colorado invitation for Proposal page with the offeror's Original autographic signature.
3.   The written request must state specifically, and identify by page number, what elements of the proposal are to remain confidential. Specific reasoning as to why each element is to remain confidential, other than recitation of a specific state or federal stature, is required.
4.   Confidential/proprietary information must be readily identified, marked and separated/packaged from the rest of the proposal. Co-mingling of confidential/ proprietary information and other information is not acceptable.
5.   The purchasing agent will make a written determination as to the apparent validity of any request for confidentiality. The written determination of the purchasing agency will be sent to the offeror.
6.   Proposals that are determined to be a variance with this procedure may be declared non-responsive by the purchasing agent, and not given further consideration.

SECTION V
EVALUATION

1.   An evaluation committee will judge the merit of proposals received in accordance with the evaluation factors defined below. The recommendations of this committee will be forwarded to the Division of Purchasing for review and approval.

2.   Failure of offeror to provide any information requested in the RFP may result in disqualification of the proposal and shall be the responsibility of the offeror.

3.   The proposals with the highest average scores, will be recommend for award. Proposals not scoring a minimum of __30__ points will not be considered for award.

4.   Evaluation factors are listed in descending order priority to the State.

Evaluation Factors:

A.   Ability and Approach to promptly supply resources

   a. To interview: On site for face to face interview , in the metro
       area within 24/48 hours.

   b. To start work: Begin work on site within 2 weeks of decision/approval.

   c. Proposal quality, brevity, clarity and completeness.

B.   Company Credibility and Profile

   a. Profile of people who will be involved in the management, administration and
      implementation

   b. Quality of Recruitment Process

   c. Training offered to employees

   d. Yearly Turn over of percent of total staff delivering billable service

   e. Average tenure of staff

   f. Maximum support, in terms of man-hours

   g. Years in Business

   h. Depth of staff

C.   Fixed Price Program, willingness to and ability to enter into fixed price
        assignments:

   a   Have experience with Fixed Price work and will fix price at State request.

   b. Have limited experience at fixed price work and will fix price at State

       request.

   c. Retain right to refuse state request to fix price.

   d. Do not wish to fix price.

D.   Cost

E.   Prior History in the local Denver market

POSITION TITLE	FIRM -->	Access Data	AMS	Apple One	Arcus	Armadillo	CAP Gemini	Ciber	Computer Consulting Services of America	Computer General Corp	Consulting Source	CTG	Currier Professional Services	Data Processing Resource Corp	DPSC
Project Manager	Exec	$72.00	$200.00	$53.90	$80.00		$200.00	$99.50	$69.90	$75.00	$80.00	$95.00	$74.50	$123.00	$68.00
Project Manager	Senior	$68.00	$160.00	$37.10	$65.00		$150.00	$85.25	$59.90	$63.00		$75.00	$69.50	$92.00	$60.00
Project Manager	Intermed	$65.00	$130.00	$32.13	$50.00	$60.00	$100.00	$73.75	$55.90	$56.00		$60.00	$59.50	$79.00	$55.00
Project Manager	Junior	$62.00	$108.00	$20.90	$35.00		$85.00	$54.65	$51.90	$42.00		$48.00	$49.50	$62.00	$50.00
Y2K Project Analyst	Exec	$70.00	$200.00	$48.93	$80.00		$200.00	$92.50	$63.90	$68.00	$80.00	$100.00	$74.75	$126.00	$70.00
	Senior	$68.00	$150.00	$30.10	$65.00		$150.00	$83.25	$54.90	$61.00		$80.00	$69.75	$94.00	$60.00
	Intermed	$65.00	$119.00	$26.53	$50.00		$125.00	$69.75	$51.90	$52.00		$65.00	$59.75	$79.00	$55.00
	Junior	$62.00	$88.00	$23.73	$35.00		$85.00	$58.50	$48.90	$41.00		$48.00	$49.75	$65.00	$48.00
IT Business Analyst	Senior	$65.00	$130.00	$27.93	$60.00	$85.00	$150.00	$61.50	$54.90	$47.00	$75.00	$75.00	$59.50	$66.00	$55.00
	Intermed	$60.00	$108.00	$25.13	$50.00	$60.00	$125.00	$57.25	$47.90	$39.00		$60.00	$54.50	$51.00	$50.00
	Junior	$55.00	$88.00	$23.10	$35.00	$45.00	$85.00	$52.75	$43.90	$30.00		$45.00	$44.50	$40.00	$45.00
System Testing Analyst	Senior	$58.00	$108.00	$34.93	$60.00		$125.00	$58.50	$53.90	$52.00	$75.00	$60.00	$54.75	$54.00	$48.00
	Intermed	$56.00	$88.00	$26.53	$50.00		$90.00	$54.00	$42.90	$44.00		$48.00	$49.75	$44.00	$45.00
	Junior	$53.00	$72.00	$21.70	$35.00		$65.00	$46.25	$38.90	$31.00		$35.00	$44.75	$34.00	$40.00
NAT/ADABAS P/A	Lead	$59.00	$108.00	$30.10	$65.00		$125.00	$61.75	$53.90	$55.00		$65.00	$59.75	$70.00	
	Intermed	$55.00	$88.00	$27.44	$50.00		$90.00	$55.50	$43.90	$44.00		$54.00	$49.25	$62.00	
	Junior	$50.00	$72.00	$24.50	$35.00		$65.00	$47.50	$39.90	$37.00		$42.00	$44.50	$41.00	
NAT/ADABAS Pgmr	Lead	$59.00	$98.00	$30.10	$65.00		$125.00	$59.50	$51.90	$47.00		$58.00	$53.25	$68.00	
	Intermed	$55.00	$83.00	$27.44	$50.00		$90.00	$53.75	$40.90	$43.00		$47.00	$44.25	$60.00	
	Junior	$50.00	$67.00	$24.50	$35.00		$65.00	$44.75	$38.90	$37.00		$37.00	$40.00	$39.00	
COBOL P/A	Lead	$55.00	$108.00	$37.10	$65.00		$125.00	$59.75	$52.90	$46.00		$64.00	$52.50	$70.00	
	Intermed	$50.00	$93.00	$32.90	$50.00		$100.00	$56.25	$48.90	$40.00	$70.00	$53.00	$46.25	$62.00	
	Junior	$45.00	$77.00	$26.60	$35.00		$75.00	$45.50	$43.90	$31.00		$40.00	$39.25	$45.00	
COBOL Pgmr	Lead	$48.00	$88.00	$34.93	$60.00		$100.00	$57.50	$49.90	$45.00		$56.00	$47.25	$68.00	
	Intermed	$46.00	$77.00	$31.50	$45.00		$80.00	$53.75	$44.90	$39.00	$65.00	$45.00	$42.75	$59.00	
	Junior	$45.00	$67.00	$25.90	$30.00		$65.00	$42.75	$40.90	$29.00		$35.00	$39.25	$40.00	
Assembler P/A	Lead	$70.00	$108.00	$34.93	$65.00		$125.00	$67.75	$52.90	$52.00		$53.00	$53.75	$62.00	$55.00
	Intermed	$65.00	$93.00	$31.50	$50.00		$100.00	$64.25	$48.90	$40.00		$45.00	$48.75	$58.00	$50.00
	Junior	$60.00	$77.00	$25.90	$35.00		$75.00	$59.50	$43.90	$30.00		$35.00	$43.75	$40.00	$45.00
Assembler Pgmr	Lead	$70.00	$88.00	$33.53	$60.00		$100.00	$64.75	$50.90	$50.00		$50.00	$51.25	$60.00	$55.00
	Intermed	$65.00	$77.00	$27.30	$45.00		$80.00	$60.25	$44.90	$38.00		$40.00	$44.50	$57.00	$50.00
	Junior	$60.00	$67.00	$24.50	$30.00		$65.00	$58.50	$40.90	$28.00		$30.00	$36.25	$39.00	$45.00
Fortran Sci. P/A	Lead	$65.00	$108.00	$34.93	$65.00		$125.00	$61.50	$52.90	$55.00		$45.00	$49.50	$59.00	$50.00
	Intermed	$55.00	$93.00	$25.90	$50.00		$100.00	$58.75	$48.90	$46.00		$37.00	$44.50	$53.00	$45.00
	Junior	$50.00	$77.00	$22.40	$35.00		$75.00	$55.50	$43.90	$30.00		$30.00	$39.50	$40.00	$40.00

POSITION TITLE	FIRM -->	Access Data	AMS	Apple One	Arcus	Armadillo	CAP Gemini	Ciber	Computer Consulting Services of America	Computer General Corp	Consulting Source	CTG	Currier Professional Services	Data Processing Resource Corp	DPSC
O/O Pgmr	Lead	$65.00	$108.00	$37.73	$80.00		$125.00	$65.25	$52.90	$56.00		$70.00	$59.75	$69.00	$60.00
	Intermed	$59.00	$93.00	$32.90	$65.00	$85.00	$100.00	$61.75	$42.90	$46.00	$65.00	$56.00	$54.75	$62.00	$55.00
	Junior	$53.00	$77.00	$26.53	$50.00	$60.00	$65.00	$55.25	$37.90	$35.00		$40.00	$44.75	$49.00	$50.00
Focus Pgmr	Lead	$60.00	$108.00	$34.93	$65.00		$125.00	$53.75	$49.90	$32.00		$50.00	$49.50	$53.00	$50.00
	Intermed	$53.00	$93.00	$30.73	$50.00		$100.00	$48.25	$42.90	$29.00		$45.00	$44.50	$48.00	$45.00
	Junior	$48.00	$77.00	$26.53	$35.00		$75.00	$44.25	$36.90	$25.00		$30.00	$39.50	$40.00	$40.00
Micro Computer Pgmr	Lead	$60.00	$108.00	$34.93	$40.00	$85.00	$125.00	$49.50	$40.90	$30.00	$70.00	$55.00	$49.25	$50.00	$50.00
	Intermed	$55.00	$93.00	$32.90	$30.00	$60.00	$100.00	$46.75	$38.90	$27.00		$45.00	$44.25	$42.00	$40.00
	Junior	$50.00	$77.00	$26.53	$26.00	$45.00	$65.00	$41.50	$34.90	$24.00		$30.00	$39.25	$31.00	$35.00
Network Analyst	Lead	$68.00	$108.00	$31.50	$50.00		$150.00	$51.50	$54.90	$75.00		$70.00	$59.75	$59.00	
	Intermed	$60.00	$93.00	$29.33	$40.00		$125.00	$48.75	$50.90	$70.00		$54.00	$49.75	$49.00	
	Junior	$50.00	$77.00	$26.53	$30.00		$100.00	$46.50	$46.90	$30.00		$44.00	$44.75	$39.00	
Network Technician	Lead	$68.00	$98.00	$30.73	$40.00	$85.00	$85.00	$44.75	$52.90	$26.00		$45.00	$49.75	$43.00	
	Intermed	$60.00	$83.00	$27.93	$30.00	$60.00	$75.00	$41.75	$48.90	$24.00		$37.00	$44.75	$33.00	
	Junior	$50.00	$72.00	$23.73	$26.00		$65.00	$38.75	$44.90	$21.00	$60.00	$25.00	$39.75	$23.00	
Technical Doc. Writer	Senior	$55.00	$98.00	$36.33	$60.00		$75.00	$46.75	$43.90	$32.00		$45.00	$49.50	$48.00	$40.00
	Intermed	$50.00	$83.00	$30.73	$42.00		$65.00	$44.25	$39.90	$27.00	$65.00	$33.00	$44.50	$40.00	$35.00
	Junior	$45.00	$72.00	$25.90	$27.00		$50.00	$40.50	$36.90	$24.00		$20.00	$39.50	$30.00	$30.00

POSITION TITLE	FIRM -->	Excell Professional Svcs	Greenbrier and Russell	H.L. Yoh	Hallmark	IBM	Informix	Interim Tech	Interlink Group	Internet Communications	Metro Information Svcs	Multi Media Services	Oracle	Performance Group	Perot Systems
Project Manager	Exec	$98.00	$180.00	$89.11	$65.00	$260.00	$191.00	$100.00	$200.00	$150.00	$76.00	$87.80	$256.00	$110.00	$170.00
Project Manager	Senior	$75.00	$110.00	$72.16	$55.00	$205.00	$167.00	$75.00	$150.00	$117.00	$68.00	$83.00	$224.00	$100.00	$147.00
Project Manager	Intermed	$60.00	$95.00	$58.85	$50.00	$180.00	$143.00	$65.00	$120.00	$90.00	$60.00	$79.40	$196.00	$90.00	$117.00
Project Manager	Junior	$40.00	$85.00	$41.90	$40.00	$145.00	$119.00	$50.00	$90.00	$81.00	$52.00	$70.00	$164.00	$75.00	$88.00
Y2K Project Analyst	Exec	$98.00	$150.00	$83.46	$65.00	$260.00	$191.00	$100.00			$80.00	$90.00	$256.00	$110.00	$130.00
	Senior	$85.00	$100.00	$75.55	$50.00	$205.00	$167.00	$75.00			$72.00	$85.00	$224.00	$100.00	$117.00
	Intermed	$65.00	$80.00	$58.85	$45.00	$180.00	$143.00	$65.00	$100.00		$66.00	$80.00	$196.00	$90.00	$106.00
	Junior	$50.00	$75.00	$47.55	$35.00	$145.00	$119.00	$50.00	$90.00		$58.00		$164.00	$75.00	$88.00
IT Business Analyst	Senior	$80.00	$95.00	$47.55	$55.00	$205.00	$191.00	$50.00	$150.00		$60.00	$79.80	$196.00	$90.00	$117.00
	Intermed	$65.00	$85.00	$39.64	$45.00	$180.00	$167.00	$43.00	$120.00		$52.00	$75.00	$164.00	$75.00	$100.00
	Junior	$45.00	$65.00	$30.86	$35.00	$145.00	$143.00	$35.00	$90.00		$44.00		$148.00	$60.00	$88.00
System Testing Analyst	Senior	$70.00	$85.00	$60.86	$55.00	$180.00	$167.00	$60.00	$100.00		$56.00	$67.80	$196.00	$75.00	$117.00
	Intermed	$55.00	$75.00	$47.55	$45.00	$145.00	$143.00	$48.00	$90.00		$50.00	$62.55	$164.00	$55.00	$100.00
	Junior	$35.00	$65.00	$38.51	$35.00	$125.00	$119.00	$37.00	$70.00		$44.00	$51.15	$148.00	$50.00	$88.00
NAT/ADABAS P/A	Lead	$40.00	$95.00	$72.16	$65.00	$200.00		$66.00			$68.00	$75.00		$60.00	$117.00
	Intermed	$33.00	$80.00	$55.21	$55.00	$180.00		$50.00			$60.00	$70.00		$50.00	$100.00
	Junior	$25.00	$65.00	$41.90	$45.00	$140.00		$40.00			$52.00	$60.00		$45.00	$88.00
NAT/ADABAS Pgmr	Lead	$40.00	$95.00		$65.00	$175.00					$62.00			$58.00	$117.00
	Intermed	$33.00	$80.00		$55.00	$145.00					$54.00			$48.00	$100.00
	Junior	$30.00	$65.00		$45.00	$125.00					$46.00			$45.00	$88.00
COBOL P/A	Lead	$57.00	$80.00	$60.86	$75.00	$200.00		$60.00	$125.00		$54.00	$69.02		$64.00	$117.00
	Intermed	$50.00	$70.00	$51.82	$65.00	$150.00		$45.00	$105.00		$46.00	$64.80		$56.00	$100.00
	Junior	$45.00	$60.00	$36.25	$55.00	$130.00		$36.00	$90.00		$38.00	$59.02		$47.00	$88.00
COBOL Pgmr	Lead	$55.00	$80.00	$57.47	$75.00	$190.00		$50.00	$125.00		$48.00	$74.50		$60.00	$117.00
	Intermed	$49.00	$70.00	$49.56	$65.00	$150.00		$40.00	$105.00		$40.00	$65.00		$52.00	$100.00
	Junior	$42.00	$60.00	$30.60	$55.00	$130.00		$33.00	$90.00		$32.00			$45.00	$88.00
Assembler P/A	Lead	$40.00	$100.00	$58.60	$65.00	$175.00		$60.00			$60.00	$69.80		$90.00	$117.00
	Intermed	$36.00	$80.00	$46.17	$50.00	$145.00		$45.00			$52.00			$82.00	$100.00
	Junior	$28.00	$70.00	$33.99	$40.00	$120.00		$36.00			$44.00	$53.00		$68.00	$88.00
Assembler Pgmr	Lead	$40.00	$100.00	$49.56	$65.00	$175.00		$50.00			$56.00	$64.00		$87.00	$117.00
	Intermed	$36.00	$80.00	$41.90	$50.00	$145.00		$40.00			$48.00	$59.50		$80.00	$100.00
	Junior	$28.00	$70.00	$36.25	$40.00	$120.00		$33.00			$42.00			$65.00	$88.00
Fortran Sci. P/A	Lead	$40.00	$80.00	$51.82	$65.00	$175.00		$60.00			$52.00	$69.01		$90.00	$117.00
	Intermed	$32.00	$70.00	$44.16	$50.00	$145.00		$45.00			$46.00	$61.15		$80.00	$100.00
	Junior	$25.00	$60.00	$36.25	$40.00	$120.00		$36.00			$40.00	$58.00		$70.00	$88.00

POSITION TITLE	FIRM -->	Excell Professional Svcs	Greenbrier and Russell	H.L. Yoh	Hallmark	IBM	Informix	Interim Tech	Interlink Group	Internet Communications	Metro Information Svcs	Multi Media Services	Oracle	Performance Group	Perot Systems
O/O Pgmr	Lead	$70.00	$100.00	$83.46	$65.00	$205.00	$191.00	$50.00	$150.00		$58.00	$74.60	$164.00	$75.00	$147.00
	Intermed	$60.00	$85.00	$60.86	$60.00	$180.00	$167.00	$38.00	$125.00		$52.00		$148.00	$68.00	$117.00
	Junior	$45.00	$70.00	$41.90	$45.00	$140.00	$143.00	$33.00	$90.00		$46.00		$148.00	$60.00	$100.00
Focus Pgmr	Lead	$40.00	$75.00	$55.21	$55.00	$180.00		$50.00	$125.00		$54.00	$75.70		$75.00	$147.00
	Intermed	$35.00	$65.00	$43.91	$45.00	$145.00		$38.00	$105.00		$46.00	$70.00		$67.00	$117.00
	Junior	$30.00	$60.00	$30.60	$40.00	$125.00		$33.00	$90.00		$38.00	$65.00		$60.00	$100.00
Micro Computer Pgmr	Lead	$55.00	$75.00	$52.95	$65.00	$180.00	$167.00	$45.00	$105.00		$54.00		$164.00	$55.00	$147.00
	Intermed	$40.00	$70.00	$36.25	$55.00	$145.00	$143.00	$35.00	$90.00		$46.00		$148.00	$50.00	$117.00
	Junior	$35.00	$60.00	$28.60	$45.00	$125.00	$119.00	$30.00	$50.00		$38.00		$148.00	$45.00	$100.00
Network Analyst	Lead	$78.00		$53.20	$65.00	$205.00		$60.00	$100.00	$117.00	$52.00		$196.00	$70.00	$147.00
	Intermed	$53.00		$47.55	$60.00	$190.00		$50.00	$90.00	$90.00	$46.00		$164.00	$65.00	$117.00
	Junior	$40.00		$34.25	$40.00	$150.00		$40.00	$80.00	$81.00	$40.00		$148.00	$55.00	$100.00
Network Technician	Lead	$50.00		$41.90	$40.00	$180.00		$45.00	$70.00	$90.00	$36.00		$164.00	$60.00	$117.00
	Intermed	$43.00		$34.25	$40.00	$145.00		$38.00	$60.00	$81.00	$30.00		$148.00	$55.00	$100.00
	Junior	$30.00		$26.34	$35.00	$125.00		$33.00	$50.00	$73.50	$24.00		$148.00	$45.00	$88.00
Technical Doc. Writer	Senior	$44.00	$70.00	$42.16	$45.00	$100.00	$143.00	$45.00	$90.00		$40.00	$55.00	$148.00	$55.00	$100.00
	Intermed	$36.00	$60.00	$34.25	$40.00	$80.00	$119.00	$39.00	$80.00		$32.00	$50.00	$148.00	$45.00	$85.00
	Junior	$29.00	$50.00	$25.34	$35.00	$60.00	$95.00	$30.00	$65.00		$24.00	$45.00	$42.00	$35.00	$70.00

POSITION TITLE	FIRM -->	Quality Technology	RFP Solutions	Software AG	Source Services	Sybase	Systems Research	Systems West	TAD	The Resource Connection	Travco	Unisys	Vega Information Systems	Wyant Data
Project Manager	Exec	$85.00	$75.00	$200.00	$79.00	$168.44	$55.10	$90.00	$97.43	$110.00	$75.00	$300.00		$112.35
Project Manager	Senior	$70.00	$63.00	$175.00	$69.00	$147.22	$38.41	$75.00	$75.65	$85.00	$49.25	$260.00		$79.58
Project Manager	Intermed	$62.00	$53.00	$150.00	$59.00	$116.16	$33.25	$60.00	$68.13	$75.00	$41.35	$225.00		$61.79
Project Manager	Junior	$55.00		$125.00	$54.00		$21.65	$45.00	$37.83	$65.00	$29.50	$195.00		$44.94
Y2K Project Analyst	Exec	$68.00		$200.00	$84.00	$168.44	$50.63	$95.00	$98.71	$130.00	$79.75			$93.63
	Senior	$60.00		$175.00	$74.00	$147.27	$31.20	$80.00	$98.35	$100.00	$65.00			$72.09
	Intermed	$50.00		$150.00	$64.00	$116.16	$27.42	$65.00	$68.01	$80.00	$52.00			$67.41
	Junior	$45.00		$125.00	$59.00		$24.53	$35.00	$38.25	$75.00	$31.50			$61.79
IT Business Analyst	Senior		$63.00	$150.00	$59.00	$147.27	$28.94	$55.00	$98.35	$65.00	$55.00	$205.00		$72.09
	Intermed		$53.00	$125.00	$54.00	$116.16	$26.03	$35.00	$75.65	$55.00	$45.00	$195.00		$61.79
	Junior			$100.00	$49.00		$23.95	$25.00	$37.83	$45.00	$26.50	$75.00	$62.50	$42.13
System Testing Analyst	Senior	$55.00	$59.00	$150.00	$59.00	$147.27	$36.19	$45.00	$98.35	$55.00	$50.25	$225.00		$67.41
	Intermed	$45.00	$49.00	$125.00	$54.00	$116.16	$27.48	$35.00	$83.33	$50.00	$38.50	$160.00		$52.43
	Junior	$35.00		$100.00	$49.00	$100.00	$22.50	$25.00	$38.25	$45.00	$27.70	$125.00	$62.50	$42.13
NAT/ADABAS P/A	Lead	$60.00		$175.00	$64.00		$31.20	$65.00	$90.78	$70.00	$58.00			$60.86
	Intermed	$55.00		$150.00	$59.00		$28.45	$48.00	$60.52	$60.00	$47.00			$48.69
	Junior	$40.00		$125.00	$54.00		$25.40	$33.00	$38.52	$50.00	$35.50			$41.20
NAT/ADABAS Pgmr	Lead	$60.00		$150.00	$59.00		$31.22	$60.00	$90.78	$67.00	$53.00			$56.18
	Intermed	$55.00		$125.00	$54.00		$28.46	$48.00	$60.52	$57.00	$42.00			$44.01
	Junior	$40.00		$100.00	$49.00		$25.40	$33.00	$38.25	$50.00	$31.50			$36.51
COBOL P/A	Lead	$60.00	$59.00	$175.00	$64.00		$38.45	$58.00	$90.75	$70.00	$58.00			$60.86
	Intermed	$55.00	$49.00	$150.00	$59.00		$34.10	$43.00	$60.52	$60.00	$48.25			$48.69
	Junior	$40.00		$125.00	$54.00		$27.58	$33.00	$38.25	$50.00	$35.00			$41.20
COBOL Pgmr	Lead	$57.00	$54.00	$150.00	$59.00		$36.19	$55.00	$75.65	$67.00	$49.25			$51.50
	Intermed	$55.00	$45.00	$125.00	$54.00		$32.63	$40.00	$60.82	$57.00	$43.75			$44.01
	Junior	$37.00	$36.00	$100.00	$49.00		$26.85	$33.00	$38.25	$47.00	$32.75			$36.51
Assembler P/A	Lead	$85.00		$175.00	$64.00		$36.19	$45.00	$60.82	$90.00	$65.00			$84.26
	Intermed	$75.00		$150.00	$59.00		$32.65	$38.00	$45.39	$75.00	$53.75			$46.81
	Junior	$65.00		$125.00	$54.00		$26.85	$33.00	$38.25	$55.00	$31.50			$44.94
Assembler Pgmr	Lead	$70.00		$150.00	$64.00		$34.74	$40.00	$60.82	$85.00	$52.25			$70.22
	Intermed	$64.00		$125.00	$59.00		$28.30	$34.00	$45.34	$70.00	$46.25			$46.81
	Junior	$50.00		$100.00	$54.00		$25.40	$33.00	$38.24	$50.00	$29.75			$40.26
Fortran Sci. P/A	Lead	$85.00			$64.00		$36.19	$32.00	$75.65	$90.00	$50.75		$62.50	$51.50
	Intermed	$75.00			$59.00		$26.87	$28.00	$52.96	$75.00	$43.75		$57.00	$44.01
	Junior	$65.00			$54.00		$23.23	$24.00	$38.25	$55.00	$29.25			$36.51

POSITION TITLE	FIRM -->	Quality Technology	RFP Solutions	Software AG	Source Services	Sybase	Systems Research	Systems West	TAD	The Resource Connection	Travco	Unisys	Vega Information Systems	Wyant Data
O/O Pgmr	Lead	$70.00	$63.00	$175.00	$69.00	$147.27	$39.12	$65.00	$90.75	$70.00	$63.25			$56.18
	Intermed	$60.00	$53.00	$150.00	$64.00	$116.16	$34.12	$48.00	$60.52	$60.00	$54.35		$57.00	$44.01
	Junior	$42.00		$125.00	$59.00	$100.00	$27.49	$22.00	$38.25	$50.00	$38.80			$36.51
Focus Pgmr	Lead	$57.00			$64.00		$36.22	$45.00	$75.65	$75.00	$51.00			$51.50
	Intermed	$53.00			$59.00		$31.87	$35.00	$60.82	$65.00	$43.25			$44.01
	Junior	$45.00			$54.00		$27.52	$33.00	$38.25	$55.00	$27.75			$36.51
Micro Computer Pgmr	Lead	$52.00	$54.00	$125.00	$59.00		$36.22	$45.00	$60.52	$65.00	$52.25		$62.50	$48.69
	Intermed	$45.00	$45.00	$100.00	$54.00		$34.13	$35.00	$45.39	$55.00	$47.25		$57.00	$41.20
	Junior	$37.00	$36.00	$75.00	$49.00		$27.54	$30.00	$38.25	$48.00	$27.75			$33.71
Network Analyst	Lead	$60.00			$69.00		$32.67	$50.00	$32.96	$80.00	$73.00	$245.00		$59.92
	Intermed	$49.00			$64.00		$30.42	$40.00	$38.25	$70.00	$49.35	$205.00	$62.50	$52.43
	Junior	$35.00			$59.00		$27.51	$30.00	$22.69	$65.00	$36.50	$195.00	$57.00	$43.07
Network Technician	Lead	$40.00			$49.00		$31.86	$45.00	$38.83	$60.00	$58.50	$160.00	$57.00	$37.45
	Intermed	$35.00			$44.00		$28.96	$35.00	$33.29	$52.00	$43.75	$140.00	$57.00	$33.71
	Junior	$30.00			$39.00		$24.61	$23.00	$25.72	$48.00	$34.25	$75.00		$26.22
Technical Doc. Writer	Senior	$40.00	$54.00	$125.00	$54.00		$37.66	$48.00	$37.83	$55.00	$38.00	$160.00		$42.13
	Intermed	$38.00	$45.00	$100.00	$50.00		$31.86	$35.00	$27.24	$48.00	$24.25	$140.00		$32.77
	Junior	$26.00	$36.00	$75.00	$46.00		$26.84	$35.00	$18.15	$45.00	$19.25	$125.00		$24.34

Appendix G

Rate Calculation

Appendix G   Rate Calculation

Y2K External Labor Rate Calculation

Purpose

External labor rates are an important component in budgeting all information technology projects. In the Year 2000 environment, a majority of the cost will be labor so this importance is increased due to supply and demand. Therefore, the Y2K Office has compiled estimated labor rates for contract services for the next 3 years.

Source of Data

An RFP for contract services for FY98 was closed on 6/27/97. This RFP will replace the FY97 overflow contract for computer services. The responses in this RFP provide the State with an accurate estimate of labor rates for the Colorado market for the next 6 - 12 months. In essence, the awarded RFP *is* the labor market for State services. The rates identified in the responses to this RFP were used to calculate a weighted average labor rate.

In addition, Gartner Group provided the Y2K Office with the weights for a typical Y2K project. These estimates are documented in Gartner's article "Year 2000 Crisis: Creating a Project Time Line". These weights are as follows:

- Analysis & Design 25%
- Programming   20%
- Testing   45%
- Implementation   <u>10%</u>
                         100%

Gartner also provided the Y2K Office with the estimated inflation rates for the next 2 years for contracted computer services. The inflation rates are as follows:

- 1998   2 times the 1997 rate
- 1999   3 times the 1997 rate

This trend can be supported by actual rate increases that state has seen in the last two awards for contracted computer services. In FY97, the average rate was $36.00 per hour. The rate for FY98 is approximately $65.00. This shows an actual increase in the average labor rate of approximately 80%. As we move closer to the year 2000, the industry expects the demand for this type of labor to increase and the supply to decrease. The Department of Labor and Employment list Systems Programmers, Programmer / Analysts, Software Engineers, and Data Base Administrators as occupations with significant or high undersupply on the Occupational Supply/Demand Report.

Assumptions

Historically, the State has utilized contract computer services for analysis, programming, and testing. Project management was left to an internal State employee. Therefore, the Y2K Office only used the following 3 skill levels to determine this rate; Analyst, Programmer, Test Analyst. In addition, the Y2K Office used the Intermediate skill level, as opposed to the Lead or Junior level. We did not include any Project Management rates in this calculation. If an external Project Manager is required for a particular project, we encouraged the departments to identify those hours and factor them into a new rate calculation for that particular project.

When computing averages across the different disciplines (COBOL, Natural, Assembler) and different skill levels (Lead, Intermediate, Junior), we found the standard deviation to be approximately 50% of the average rate. Statistically, this indicates the average provides little information to the data. However, from a budgeting perspective the Y2K Office believes the average rate will provide an accurate estimate for the following reasons/assumptions:

- The State has traditionally been a low bid procurer for services. Therefore, most of the vendors with business relationships within the departments will be at or under the average rate. The Y2K Office assumes the departments will have a tendency to use the vendors that have provided services in the past.
- Premium providers (AMS, IBM, Software AG…) will be used by a select few state departments. We assume that these departments are aware of their need for premium providers and will develop a more accurate rate for these projects.

Findings

Our analysis has determined the following rates for the next 3 fiscal years. 3GL refers to COBOL, Natural and Assembler languages. All rates are calculated on a per hour basis.

Estimated Labor Rates For Information Technology

Discipline	FY 98	FY 99	FY 00
Project Manager	$100.00	$200.00	$300.00
3GL	$65.00	$130.00	$195.00
Object Oriented	$77.00	$154.00	$231.00

Details of our analysis are included below.

FY 98 COBOL Rates

Task	Position	Average Rate	Weight	Weighted Rate
Analysis/Design	Programmer/Analyst	$64.04	25%	$ 16.01
Programming	Programmer	$59.75	20%	$ 11.95
Testing	Test Analyst	$69.03	45%	$ 31.06
Implementation	Programmer/Analyst	$64.04	10%	$ 6.40
		COBOL Labor Rate	100%	**$ 65.42**

FY 98 Natural Rates

Task	Position	Average Rate	Weight	Weighted Rate
Analysis/Design	Programmer/Analyst	$63.63	25%	$ 15.91
Programming	Programmer	$60.12	20%	$ 12.02
Testing	Test Analyst	$69.03	45%	$ 31.06
Implementation	Programmer/Analyst	$63.63	10%	$ 6.36
		Natural Labor Rate	100%	**$ 65.35**

FY 98 Assembler Rates

Task	Position	Average Rate	Weight	Weighted Rate
Analysis/Design	Programmer/Analyst	$63.54	25%	$ 15.89
Programming	Programmer	$58.97	20%	$ 11.79
Testing	Test Analyst	$69.03	45%	$ 31.06
Implementation	Programmer/Analyst	$66.54	10%	$ 6.65
		Assembler Labor Rate	100%	**$ 65.39**

FY 98 Object Oriented Rates

Task	Position	Average	Weight	Weighted

		Rate		Rate
Analysis/Design	Programmer/Analyst	$88.62	25%	$ 22.16
Programming	Programmer	$74.75	20%	$ 14.95
Testing	Test Analyst	$69.03	45%	$ 31.06
Implementation	Programmer/Analyst	$88.62	10%	$ 8.86
		O/O Labor Rate	100%	**$ 77.03**

Appendix H

System Level Estimating Instructions

Appendix H   System Level Estimating Instructions

This section contains the instructions and sample estimating spreadsheets given to each department on both paper and in electronic form to record their estimate of Year 2000 work by work hours and dollar cost.

This Excel Workbook contains three tabbed Worksheets. They are:

1. Instructions (what you are now reading)
2. Cost Data (detail cost data for each system)
3. Summary (summary cost data for an entire agency)

Instructions - This worksheet provides guidelines for completing the remaining two worksheets. If you have any questions regarding the completion of the Cost Data worksheet or the Summary worksheet, which aren't answered here, please refer to the document entitled "Y2K Assessment Confidence Guidelines". For a copy of this document or answers to questions regarding these worksheets, contact your IMC Y2K Analyst.

Cost Data - this worksheet contains detail information to be completed at the System level. This worksheet is protected from data entry except for the shaded areas. You are only responsible for entering data in the shaded areas. Your Agency name should be entered on the first line of the worksheet. Each printable page has room for cost data on two systems. The worksheet has room for cost data on up to 200 systems. The Print Area in Page Setup is set to only print the first page in this template; therefore, you will need to change this setting in order to print all your systems. There are calculated totals at the end of this worksheet which are automatically transferred to the Summary worksheet.

Hourly labor rates are needed at the system level due to the variance of rates depending upon the system characteristics. For example, a complex system written in Assembler language may require higher labor rates than one written in Cobol. The labor rate for a system will be a blend of rates for the different skills needed to accomplish system compliance (Project Manager, Analysts, Programmers, Testers, etc.). A good project plan will indicate the number of hours needed for each resource type.

Because each system project will consist of a blend of skills and labor rates, the Internal and External Hourly Rate fields will need to be calculated separately from this worksheet. The Y2K team will have default rates if you do not want to calculate an average labor rate. If you do decide to calculate an average hourly labor rate, you will need to determine the number of hours required by resource type and be prepared to multiply these hours by the projected hourly labor rates provided by the Y2K Analysts. It's easier for actual work performed through June, 1997 because you should have total internal/external labor hours and total internal/external labor costs available.

For estimating labor costs for fiscal years 1998, 1999 and 2000, you will be provided hourly rate guidelines for internal skill sets by the Y2K team during the month of June. The guidelines for hourly rates for external labor resources will not be available until the end of June, 1997 when the review and award of the State Overflow contract is complete. While awaiting these guidelines, you should be calculating the number of internal/external labor hours, by skill set and quarterly time period, that you will need to apply to each system's Y2K effort. Upon receipt of the hourly rate guidelines, you will be able to compute the average internal/external labor hourly rate for each system by quarterly time periods or you can use the Y2K team default labor rates. The system labor costs will be calculated by this worksheet after you enter the average hourly rates and the total labor hours.

Any non-labor costs (software, hardware, project, other) should be indicated on the worksheet.

Summary - this worksheet contains totals calculated from the Cost Data worksheet. This worksheet is also protected from data entry except for the shaded areas. You will need to complete the two shaded rows for 'Agency Internal Funding' and 'Prior JBC Y2K Funds Approved'. The JBC wants to know the total cost of the Y2K effort, including expenditures used from your internal budget and Y2K funds appropriated to your agency by the JBC.

AGENCY:	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
System Cost Components	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
SYSTEM:																
Labor Cost Factors																
Internal Hourly Rate (Pre '98 calc)	$0.00	$0.00	$0.00													N/A
Internal Labor Hours																0
External Hourly Rate (Pre '98 calc)	$0.00	$0.00	$0.00													N/A
External Labor Hours																0
Costs																
Internal Labor Costs (Post '97 calc)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (Post '97 calc)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs																$0
Hardware Costs																$0
Project Expenses																$0
Other Costs																$0
System Cost Totals (calculation)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

AGENCY:	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
AGENCY SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding																$0
Less Prior JBC Y2K Funds Approved																$0
Add'l JBC Y2K Funds Required (calc.)	N/A	N/A	N/A	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Appendix I

Departmental Cost Estimates

Appendix I   Departmental Cost Estimates

The following section presents departmental cost estimate summaries by fiscal year and cost category.

Agriculture	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calc)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Corrections	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	500	500	0	0	0	0	0	0	1000
Total Labor Hours	0	0	0	0	0	0	0	500	500	0	0	0	0	0	0	1000
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$65,000	$65,000	$0	$0	$0	$0	$0	$0	$130,000
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$20,000	$50,000	$3,000	$0	$0	$0	$0	$0	$0	$73,000
Hardware Costs (calculated)	$0	$0	$0	$142,775	$142,775	$142,775	$142,775	$142,775	$142,775	$142,775	$142,775	$0	$0	$0	$0	$1,142,200
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$142,775	$142,775	$142,775	$162,775	$257,775	$210,775	$142,775	$142,775	$0	$0	$0	$0	$1,345,200
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$20,000	$0	$0	$0	$0	$0	$0	$0	$0	$20,000
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$142,775	$142,775	$142,775	$142,775	$257,775	$210,775	$142,775	$142,775	$0	$0	$0	$0	$1,325,200

| Education | Actual | Actual | Actual | Estimate FY1998 | | | | Estimate FY1999 | | | | Estimate FY2000 | | | | |
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	40	0	143	102	127	106	65	30	13	0	0	0	626
External Labor Hours (calculated)	0	0	0	0	0	1231	774	1061	908	542	259	103	0	0	0	4878
Total Labor Hours	0	0	0	40	0	1374	876	1188	1014	607	289	116	0	0	0	5504
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$1,170	$0	$4,183	$2,984	$3,715	$3,101	$1,901	$878	$380	$0	$0	$0	$18,311
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$88,235	$51,078	$149,378	$130,160	$77,132	$39,886	$15,862	$0	$0	$0	$551,731
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$1,170	$0	$92,418	$54,062	$153,093	$133,261	$79,033	$40,764	$16,242	$0	$0	$0	$570,042
Less Agency Internal Funding	$0	$0	$0	$1,170	$0	$4,183	$2,984	$3,715	$3,101	$1,901	$878	$380	$0	$0	$0	$18,311
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$88,235	$51,078	$149,378	$130,160	$77,132	$39,886	$15,862	$0	$0	$0	$551,731

Governor	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Health Care Policy and Financing	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Human Services	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
Labor Hours																
Internal Labor Hours (calculated)	0	0	3404	2654	2650	2650	2632	2480	2480	1180	1180	480	480	0	0	22270
External Labor Hours (calculated)	0	0	6656	9171	10770	10650	14019	15719	15549	4698	4348	347	347	0	0	92275
Total Labor Hours	0	0	10060	11825	13420	13300	16651	18199	18029	5878	5528	827	827	0	0	114545
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$107,226	$83,601	$83,475	$83,475	$82,908	$78,120	$78,120	$37,170	$37,170	$15,120	$15,120	$0	$0	$701,505
External Labor Costs (calculated)	$0	$0	$272,896	$596,126	$700,061	$692,261	$911,246	$1,992,084	$1,979,912	$586,945	$565,262	$67,698	$67,698	$0	$0	$8,432,190
Software Costs (calculated)	$0	$0	$60,786	$14,578	$0	$0	$0	$108,574	$0	$0	$0	$0	$0	$0	$0	$183,938
Hardware Costs (calculated)	$0	$0	$2,934	$0	$0	$0	$0	$2,933,398	$26,300	$0	$0	$0	$0	$0	$0	$2,962,632
Project Expenses (calculated)	$0	$0	$0	$101,158	$0	$0	$0	$29,109	$0	$0	$0	$0	$0	$0	$0	$130,267
Other Costs (calculated)	$0	$0	$18,670	$17,762	$14,162	$14,162	$14,162	$12,550	$7,950	$750	$750	$0	$0	$0	$0	$100,918
Total Agency Y2K Costs (calculated)	$0	$0	$462,512	$813,225	$797,698	$789,898	$1,008,316	$5,153,835	$2,092,282	$624,865	$603,182	$82,818	$82,818	$0	$0	$12,511,450
Less Agency Internal Funding	$0	$0	$124,961	$83,601	$83,475	$83,475	$82,908	$78,120	$78,120	$37,170	$37,170	$15,120	$15,120	$0	$0	$719,240
Less Prior JBC Y2K Funds Approved	$0	$0	$740,457	$770,863	$260,985	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,772,305
Add'l JBC Y2K Funds Required (calc.)	$0	$0	-$402,906	-$41,239	$453,238	$706,423	$925,408	$5,075,715	$2,014,162	$587,695	$566,012	$67,698	$67,698	$0	$0	$10,019,905

Judicial	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Labor and Employment	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	672	1333	5616	3157	2145	2370	2072	1646	1302	1095	528	540	250	142	22868
External Labor Hours (calculated)	0	0	1712	960	960	960	960	480	0	0	0	0	0	0	0	6032
Total Labor Hours	0	672	3045	6576	4117	3105	3330	2552	1646	1302	1095	528	540	250	142	28900
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$27,552	$54,653	$252,720	$142,065	$96,525	$106,650	$93,240	$74,070	$58,590	$49,275	$23,760	$24,300	$11,250	$6,390	$1,021,040
External Labor Costs (calculated)	$0	$0	$46,224	$43,200	$43,200	$43,200	$43,200	$21,600	$0	$0	$0	$0	$0	$0	$0	$240,624
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$27,552	$100,877	$295,920	$185,265	$139,725	$149,850	$114,840	$74,070	$58,590	$49,275	$23,760	$24,300	$11,250	$6,390	$1,261,664
Less Agency Internal Funding	$0	$27,552	$100,877	$295,920	$185,265	$139,725	$149,850	$114,840	$74,070	$58,590	$49,275	$23,760	$24,300	$11,250	$6,390	$1,261,664
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Law	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
Labor Hours																
Internal Labor Hours (calculated)	110	84	73	64	35	75	87	355	0	0	0	180	0	0	0	1063
External Labor Hours (calculated)	0	0	0	524	500	508	516	250	0	0	0	0	0	0	0	2298
Total Labor Hours	110	84	73	588	535	583	603	605	0	0	0	180	0	0	0	3361
Agency Y2K Costs																
Internal Labor Costs (calculated)	$3,300	$2,520	$2,160	$1,920	$1,050	$2,250	$2,610	$12,425	$0	$0	$0	$6,300	$0	$0	$0	$34,535
External Labor Costs (calculated)	$0	$0	$0	$23,580	$22,500	$22,860	$23,220	$12,500	$0	$0	$0	$0	$0	$0	$0	$104,660
Software Costs (calculated)	$0	$0	$0	$500	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$500
Hardware Costs (calculated)	$0	$0	$0	$2,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,000
Project Expenses (calculated)	$0	$0	$0	$1,000	$950	$950	$950	$500	$500	$500	$500	$0	$0	$0	$0	$5,850
Other Costs (calculated)	$0	$0	$0	$450	$450	$450	$450	$500	$500	$500	$500	$0	$0	$0	$0	$3,800
Total Agency Y2K Costs (calculated)	$3,300	$2,520	$2,160	$29,450	$24,950	$26,510	$27,230	$25,925	$1,000	$1,000	$1,000	$6,300	$0	$0	$0	$151,345
Less Agency Internal Funding	$3,300	$2,520	$2,160	$1,920	$50	$2,250	$2,610	$12,425	$0	$0	$0	$6,300	$0	$0	$0	$33,535
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$27,530	$24,900	$24,260	$24,620	$0	$0	$0	$0	$0	$0	$0	$0	$101,310
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$13,500	$1,000	$1,000	$1,000	$0	$0	$0	$0	$16,500

Legislature	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Local Affairs	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	26
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	26
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$705	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$705
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$705	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$705
Less Agency Internal Funding	$0	$0	$705	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$705
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Military Affairs	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	40
Total Labor Hours	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	40
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$2,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,000
Software Costs (calculated)	$0	$0	$0	$8,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$8,000
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$10,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,000
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$10,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,000

Natural Resources	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	1736	1736	1736	1736	3290	3290	3290	3290	3611	3611	3611	3611	34546
External Labor Hours (calculated)	0	0	0	2323	2323	2250	2250	487	487	487	487	0	0	0	0	11096
Total Labor Hours	0	0	0	4059	4059	3986	3986	3777	3777	3777	3777	3611	3611	3611	3611	45642
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$53,819	$53,819	$53,819	$53,819	$101,976	$101,976	$101,976	$101,976	$119,158	$119,158	$119,158	$119,158	$1,099,815
External Labor Costs (calculated)	$0	$0	$0	$142,321	$142,321	$173,275	$173,275	$70,171	$70,171	$70,171	$70,171	$0	$0	$0	$0	$911,878
Software Costs (calculated)	$0	$0	$0	$82,550	$27,500	$82,550	$27,502	$18,272	$18,272	$18,272	$18,272	$0	$0	$0	$0	$293,190
Hardware Costs (calculated)	$0	$0	$0	$146,600	$0	$54,028	$54,028	$0	$0	$0	$0	$0	$0	$0	$0	$254,656
Project Expenses (calculated)	$0	$0	$0	$17,500	$17,500	$17,500	$17,500	$0	$0	$0	$0	$0	$0	$0	$0	$70,000
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$442,791	$241,141	$381,173	$326,125	$190,420	$190,420	$190,420	$190,420	$119,158	$119,158	$119,158	$119,158	$2,629,540
Less Agency Internal Funding	$0	$0	$0	$53,819	$115,363	$78,817	$78,819	$101,977	$101,977	$101,977	$101,979	$119,158	$119,158	$119,158	$119,158	$1,211,360
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$388,972	$125,778	$302,356	$247,306	$0	$0	$0	$0	$0	$0	$0	$0	$1,064,412
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$88,443	$88,443	$88,443	$88,441	$0	$0	$0	$0	$353,768

Personnel	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	1166	8063	10666	10755	11344	11011	9957	10714	10545	9545	7529	6416	6939	1575	116225
External Labor Hours (calculated)	0	0	1519	2654	5226	6031	6031	5806	5806	5421	5421	3920	3420	2920	2420	56595
Total Labor Hours	0	1166	9582	13320	15981	17375	17042	15763	16520	15966	14966	11449	9836	9859	3995	172820
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$37,126	$249,658	$356,317	$358,236	$374,605	$363,337	$336,597	$360,064	$354,645	$314,645	$257,713	$222,770	$235,404	$66,150	$3,887,267
External Labor Costs (calculated)	$0	$0	$91,144	$172,510	$339,690	$392,015	$392,015	$754,780	$754,780	$704,730	$704,730	$764,400	$666,900	$569,400	$471,900	$6,778,994
Software Costs (calculated)	$0	$63,450	$69,450	$148,450	$18,292	$100,950	$19,800	$165,250	$125,250	$175,250	$125,250	$140,250	$125,250	$123,750	$108,750	$1,509,392
Hardware Costs (calculated)	$0	$0	$14,904	$32,904	$200,904	$27,315	$50,637	$1,113,937	$131,558	$15,800	$15,800	$15,800	$15,800	$15,800	$15,800	$1,666,959
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$4,500	$1,000	$1,000	$1,000	$1,000	$500	$500	$500	$500	$10,500
Other Costs (calculated)	$0	$0	$0	$151,800	$1,800	$1,800	$1,900	$9,300	$9,300	$9,300	$9,300	$5,100	$5,100	$5,100	$5,100	$214,900
Total Agency Y2K Costs (calculated)	$0	$100,576	$425,156	$861,981	$918,922	$896,685	$832,189	$2,380,864	$1,381,952	$1,260,725	$1,170,725	$1,183,763	$1,036,320	$949,954	$668,200	$14,068,012
Less Agency Internal Funding	$0	$100,576	$334,012	$707,708	$570,357	$585,137	$574,691	$490,024	$612,952	$492,895	$452,895	$503,339	$417,770	$332,904	$66,276	$6,241,536
Less Prior JBC Y2K Funds Approved	$0	$0	$91,144	$146,425	$146,425	$221,425	$146,525	$0	$0	$0	$0	$0	$0	$0	$0	$751,944
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$7,848	$202,140	$90,123	$110,973	$1,890,840	$769,000	$767,830	$717,830	$680,424	$618,550	$617,050	$601,924	$7,074,532

| Public Defender | Actual | Actual | Actual | Estimate FY1998 | | | | Estimate FY1999 | | | | Estimate FY2000 | | | | |
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Public Health and Environment	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	176	1663	902	1762	1984	2906	1321	1243	1234	1101	127	163	127	127	14836
External Labor Hours (calculated)	0	0	0	735	1655	1595	749	1803	1429	1065	1145	139	115	115	115	10660
Total Labor Hours	0	176	1663	1637	3417	3579	3655	3124	2672	2299	2246	266	278	242	242	25496
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$6,160	$61,205	$31,570	$61,670	$69,440	$101,710	$46,235	$43,505	$43,190	$38,535	$4,445	$5,705	$4,445	$4,445	$522,260
External Labor Costs (calculated)	$0	$0	$0	$47,430	$107,230	$103,330	$48,340	$226,050	$145,950	$130,630	$141,030	$11,810	$7,130	$7,130	$7,130	$983,190
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$6,160	$61,205	$79,000	$168,900	$172,770	$150,050	$272,285	$189,455	$173,820	$179,565	$16,255	$12,835	$11,575	$11,575	$1,505,450
Less Agency Internal Funding	$0	$6,160	$61,205	$31,570	$61,670	$69,440	$101,710	$46,235	$43,505	$43,190	$38,535	$4,445	$5,705	$4,445	$4,445	$522,260
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$47,430	$107,230	$103,330	$48,340	$52,380	$0	$0	$0	$0	$0	$0	$0	$358,710
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$173,670	$145,950	$130,630	$141,030	$11,810	$7,130	$7,130	$7,130	$624,480

Public Safety	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	10	10	10	10	20	20	20	20	0	0	0	0	120
External Labor Hours (calculated)	0	0	0	50	25	0	0	125	0	0	0	0	0	0	0	200
Total Labor Hours	0	0	0	60	35	10	10	145	20	20	20	0	0	0	0	320
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$280	$280	$280	$280	$560	$560	$560	$560	$0	$0	$0	$0	$3,360
External Labor Costs (calculated)	$0	$0	$0	$3,250	$1,625	$0	$0	$16,250	$0	$0	$0	$0	$0	$0	$0	$21,125
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$3,530	$1,905	$280	$280	$16,810	$560	$560	$560	$0	$0	$0	$0	$24,485
Less Agency Internal Funding	$0	$0	$0	$3,530	$1,905	$280	$280	$16,810	$560	$560	$560	$0	$0	$0	$0	$24,485
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Regulatory Agencies	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	0	0	100	490	560	200	100	0	0	0	0	0	0	0	0	1450
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	100	490	560	200	100	0	0	0	0	0	0	0	0	1450
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$3,500	$17,150	$19,600	$7,000	$3,500	$0	$0	$0	$0	$0	$0	$0	$0	$50,750
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$3,500	$17,150	$19,600	$7,000	$3,500	$0	$0	$0	$0	$0	$0	$0	$0	$50,750
Less Agency Internal Funding	$0	$0	$3,500	$17,150	$19,600	$7,000	$3,500	$0	$0	$0	$0	$0	$0	$0	$0	$50,750
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Revenue	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
Labor Hours																
Internal Labor Hours (calculated)	0	0	3000	1580	1580	1706	1725	1625	1625	1500	1500	0	0	0	0	15841
External Labor Hours (calculated)	0	0	80	6176	8319	3918	4658	4858	4003	4022	6381	0	0	0	0	42414
Total Labor Hours	0	0	3080	7756	9899	5624	6383	6483	5628	5522	7881	0	0	0	0	58255
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$94,500	$49,770	$49,770	$53,864	$54,463	$55,063	$55,063	$51,000	$51,000	$0	$0	$0	$0	$514,492
External Labor Costs (calculated)	$0	$0	$3,280	$401,427	$540,703	$254,651	$302,770	$631,540	$520,390	$522,860	$829,530	$0	$0	$0	$0	$4,007,150
Software Costs (calculated)	$0	$0	$0	$48,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$48,000
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$73,122	$0	$0	$0	$25,703	$0	$0	$0	$0	$0	$0	$0	$98,825
Other Costs (calculated)	$0	$0	$0	$20,232	$20,232	$20,232	$20,232	$20,232	$20,232	$20,232	$20,232	$0	$0	$0	$0	$161,856
Total Agency Y2K Costs (calculated)	$0	$0	$97,780	$592,551	$610,705	$328,747	$377,465	$732,538	$595,685	$594,092	$900,762	$0	$0	$0	$0	$4,830,323
Less Agency Internal Funding	$0	$0	$97,780	$49,770	$49,770	$53,864	$53,864	$55,063	$55,063	$51,000	$51,000	$0	$0	$0	$0	$517,174
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$542,781	$538,729	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,081,510
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$22,206	$274,883	$323,601	$677,475	$540,622	$543,092	$849,762	$0	$0	$0	$0	$3,231,639

State	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Transportation	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	236	400	240	160	100	0	0	0	0	0	0	1136
External Labor Hours (calculated)	0	0	0	0	1600	1680	2200	1000	80	0	0	0	0	0	0	6560
Total Labor Hours	0	0	0	0	1836	2080	2440	1160	180	0	0	0	0	0	0	7696
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$9,440	$16,000	$9,600	$6,400	$4,000	$0	$0	$0	$0	$0	$0	$45,440
External Labor Costs (calculated)	$0	$0	$0	$0	$121,500	$132,940	$166,740	$125,000	$9,600	$0	$0	$0	$0	$0	$0	$555,780
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$130,940	$148,940	$176,340	$131,400	$13,600	$0	$0	$0	$0	$0	$0	$601,220
Less Agency Internal Funding	$0	$0	$0	$0	$9,440	$16,000	$9,600	$6,400	$4,000	$0	$0	$0	$0	$0	$0	$45,440
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$121,500	$132,940	$166,740	$125,000	$9,600	$0	$0	$0	$0	$0	$0	$555,780

Treasury	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	**Totals**
Labor Hours																
Internal Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Labor Hours (calculated)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Labor Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agency Y2K Costs																
Internal Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
External Labor Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Software Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Hardware Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Project Expenses (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Agency Y2K Costs (calculated)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Agency Internal Funding	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Less Prior JBC Y2K Funds Approved	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Add'l JBC Y2K Funds Required (calc.)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Y2K STATEWIDE TOTALS	Actual	Actual	Actual	Estimate FY1998				Estimate FY1999				Estimate FY2000				
SUMMARY PAGE	Pre-FY96	FY1996	FY1997	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Totals
Labor Hours																
Internal Labor Hours (calculated)	110	2098	17662	23758	22481	22393	22919	21407	21224	19136	17761	12468	11210	10927	5455	231007
External Labor Hours (calculated)	0	0	9967	22633	31378	28823	32158	32089	28762	16235	18041	4509	3882	3035	2535	234048
Total Labor Hours	110	2098	27629	46391	53859	51216	55077	53496	49986	35371	35802	16977	15092	13962	7990	465055
Agency Y2K Costs																
Internal Labor Costs (calculated)	$3,300	$73,358	$573,607	$848,317	$779,405	$761,441	$781,860	$734,331	$720,458	$649,033	$594,039	$426,877	$387,053	$370,257	$196,143	$7,899,479
External Labor Costs (calculated)	$0	$0	$413,544	$1,431,844	$2,018,830	$1,902,767	$2,111,884	$4,064,353	$3,675,963	$2,092,469	$2,350,609	$859,770	$741,728	$576,530	$479,030	$22,719,323
Software Costs (calculated)	$0	$63,450	$130,236	$302,078	$45,792	$183,500	$67,302	$342,096	$146,522	$193,522	$143,522	$140,250	$125,250	$123,750	$108,750	$2,116,020
Hardware Costs (calculated)	$0	$0	$17,838	$324,279	$343,679	$224,118	$247,440	$4,190,110	$300,633	$158,575	$158,575	$15,800	$15,800	$15,800	$15,800	$6,028,447
Project Expenses (calculated)	$0	$0	$0	$192,780	$18,450	$18,450	$22,950	$56,312	$1,500	$1,500	$1,500	$500	$500	$500	$500	$315,442
Other Costs (calculated)	$0	$0	$18,670	$190,244	$36,644	$36,644	$36,744	$42,582	$37,982	$30,782	$30,782	$5,100	$5,100	$5,100	$5,100	$481,474
Total Agency Y2K Costs (calculated)	$3,300	$136,808	$1,153,895	$3,289,543	$3,242,800	$3,126,920	$3,268,181	$9,429,784	$4,883,059	$3,125,880	$3,279,027	$1,448,297	$1,275,432	$1,091,937	$805,323	$39,560,185
Less Agency Internal Funding	$3,300	$136,808	$725,200	$1,246,158	$1,096,895	$1,040,171	$1,080,816	$925,609	$973,348	$787,283	$732,292	$672,502	$582,053	$467,757	$196,269	$10,666,460
Less Prior JBC Y2K Funds Approved	$0	$0	$831,601	$1,924,001	$1,204,047	$651,371	$466,791	$52,380	$0	$0	$0	$0	$0	$0	$0	$5,130,191
Add'l JBC Y2K Funds Required (calc.)	$0	$0	-$402,906	$119,384	$941,858	$1,435,378	$1,720,574	$8,451,795	$3,909,711	$2,338,597	$2,546,736	$775,795	$693,379	$624,180	$609,054	$23,763,534

Appendix K

Other States' Data

Appendix J　　Other States' Data

The IMC Year 2000 Project Office conducted a brief survey of other states. According to the National Association of State Information Resource Executives, "Twenty-three states are still in the planning stages for the Year 2000 date change, while 19 states are now implementing and testing their conversions. Four states reported being in both the planning and implementation stages." Figure J-1: Year 2000 Estimated Costs by State, indicates that Colorado, based on population, appears to be in an acceptable range for our current Year 2000 cost estimate.

State		Population	Cost (in millions)	Dollars Per Capita
Idaho		1,006,749	$15.0	$15
Nebraska	**	1,578,385	$27.0	$17
Arkansas		2,350,725	$80.0	$34
Oregon	***	2,842,321	$98.0	$34
Colorado		3,746,585	$39.6	$11
Minnesota	*	4,375,099	$25.0	$6
Washington	*	4,866,692	$53.0	$11
North Carolina		6,628,637	$67.2	$10

*critical systems only/no PC replacement
**$ don't include Data Center upgrades
*** All labor hours are at Contractor Rates

Figure J-1: Year 2000 Estimated Costs by State

As Figure J-2: Per Capita Cost of Year 2000, indicates on a per capita basis, Colorado has one of the lowest per capita Year 2000 costs.
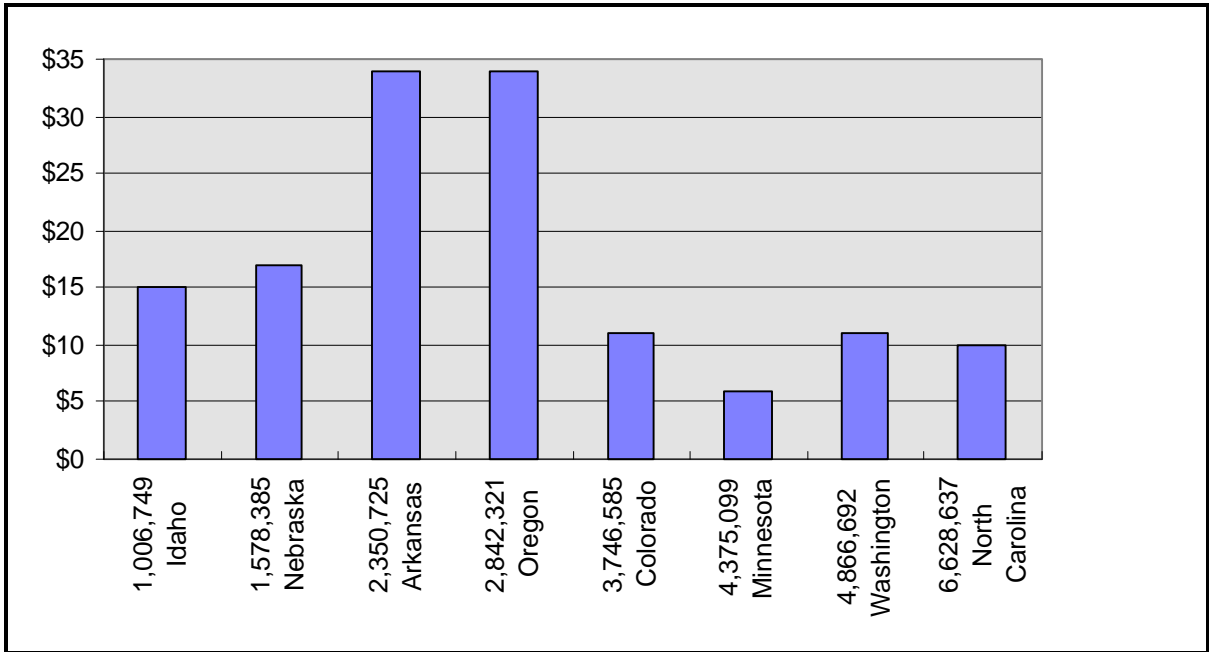

Figure J-2: Per Capita Year 2000 Estimated Costs.

The State of Colorado IMC Year 2000 Project Office acknowledges the input from the contributing States.