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INTERLOCAL COOPERATION AGREEMENT
for
DESIGN, IMPLEMENTATION, OPERATION AND MAINTENANCE
of the
REGIONAL FARE COORDINATION SYSTEM

February 2003

**Interlocal Cooperation Agreement for Design, Implementation, Operation
and Maintenance of the Regional Fare Coordination System**

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of the
REGIONAL FARE COORDINATION SYSTEM

This Interlocal Cooperation Agreement for design, implementation, operation and maintenance of the Regional Fare Coordination System is entered into this ____ day of _____, 200__, by the Snohomish County Public Transportation Benefit Area ("Community Transit"), the Kitsap County Public Transportation Benefit Area ("Kitsap Transit"), the Central Puget Sound Regional Transit Authority ("Sound Transit"), the State of Washington, acting through the Washington State Department of Transportation, Washington State Ferries Division ("Washington State Ferries"), the Pierce County Public Transportation Benefit Area ("Pierce Transit"), and King County ("King County"), individually referred to as an "Agency" and collectively known as "the Agencies" in this Agreement.

RECITALS

The Agencies provide public transportation services within their service areas and as part of such services, collect fares from riders.

Pursuant to the Interlocal Cooperation Act, chapter 39.34 RCW, the Agencies desire to jointly exercise their powers to better coordinate their respective services and fare payment systems in order to improve the availability, reliability and convenience of public transportation services within their service areas and throughout the region served by the Agencies.

The Agencies desire to implement a Regional Fare Coordination ("RFC") System to establish a common, non-cash fare system throughout their service areas.

The Agencies previously entered into an agreement dated September 30, 2000, which established the necessary framework to regionally procure a RFC System.

Pursuant to such agreement, the Agencies jointly conducted a procurement process and selected the Contractor to design, implement, operate and maintain the RFC System.

The purpose of this Agreement is to establish the respective roles and responsibilities of the Agencies in the design, implementation, operation and maintenance of the RFC System and in the administration of the RFC Contract with the Contractor and joint consultant contracts.

NOW, THEREFORE, in consideration of the following terms and conditions and other valuable consideration, the sufficiency of which is hereby acknowledged, the Agencies agree as follows:

TERMS AND CONDITIONS

I. DEFINITIONS

The following definitions shall apply under this Agreement unless the context requires otherwise or another definition is expressly provided in this Agreement.

- A. "Administrative/Project Management Fee" means the fees paid by the Agencies to King County to cover the actual labor, material, overhead and other costs of the Project Team, as well as the fees paid by the Agencies to the Fiscal Agent to cover its actual labor, material, overhead and other costs incurred in providing services as a Fiscal Agent under this Agreement.
- B. "Agency" means each of the public transportation agencies that is a party to this Agreement.
- C. "Agency Site Manager" means each Agency's representative on the Project Team who is designated as the Site Manager for the Agency.
- D. "Claim Account" means an account which will serve as the central repository for e-purse transaction funds for which data were lost after a certain period of time.
- E. "Contract Administrator" means the King County employee responsible for the day-to-day administration of the RFC Contract, Joint Consultant contracts, and the combined Agency activities related to the RFC System.
- F. "Contractor" means the entity with which the Agencies have entered into the RFC Contract for the design, implementation, operation and maintenance of the RFC System.
- G. "Day" means a calendar day unless otherwise expressly provided.
- H. "Electronic Commerce Transactions" means credit card, debit card, automatic account deductions and other electronic payment mechanisms used to purchase cards and load value.
- I. "Escrow Agreement" means the agreement identifying the terms of the escrow services.
- J. "Federal Grant" means any financial assistance received from the Federal Transit Administration, including that provided under its Section 9, Congestion

Mitigation and Air Quality Improvement (CMAQ) and Intelligent Transportation System (ITS) programs.

- K. "Fiscal agent" means the Agency designated in this Agreement to provide accounting services for the special funds for the RFC Project and manage bank accounts for the RFC System. Unless otherwise agreed by the Joint Board, Sound Transit shall serve as the Fiscal Agent under this Agreement.
- L. "Float/E-purse Account" means the account that will serve as the central repository for e-purse revenue.
- M. "Institutional Account" means an entity other than an individual customer, including, but not limited to, an employer, educational institution, or social service agency, that purchases RFCS Cards from an Agency according to the terms of a negotiated agreement.
- N. "Joint Board" means the Joint Board established by Section III of this Agreement.
- O. "Joint Consultant" means any legal, financial, technical and other consultant retained by the Agencies to provide services on the RFC Project.
- P. "Project Administration" means the activities of the Project Team to administer the RFC Contract, Joint Consultant contracts, and the combined Agency activities related to the RFC System.
- Q. "Project Team" means the Contract Administrator and other positions provided in this Agreement or established by the Joint Board.
- R. "Regional Service Fee" means the fee charged by an Agency to cover its actual labor, material, overhead and other costs incurred in providing system operating support services to other agencies under this Agreement.
- S. "Retail Revalue Site" means a physical location at a retail establishment under contract with an Agency where a customer can go to add stored value and/or a fixed period pass to an existing smart card.
- T. "RFC Contract" means the contract between the Contractor and the Agencies under which the Contractor shall design, implement, operate and maintain the RFC System.
- U. "RFC Project" means the RFC Contract, Joint Consultant contracts, and the combined Agency activities related to the RFC System.
- V. "RFC Project Budget" means the amount to pay: for products and services by the Contractor and Joint Consultants; for Project Administration activities; for Administrative/Project Management Fees; for any Regional Service fees charged

by Agencies for the provision of services to other Agencies; and for contingency and other shared costs of the Agencies on the RFC Project.

- W. "RFC System" or RFCS means the Regional Fare Coordination System.
- X. "RFCS Card" means a smart card issued to a customer by an Agency on behalf of the Agencies for use in the RFCS.
- Y. "SC Central Payments Account" means the smart card central payments account maintained by the Fiscal Agent on behalf of the Agencies for the collection of individual agency funds and subsequent transmission of payments to the Contractor and Joint Consultants on behalf of the Agencies.

II. INDIVIDUAL AGENCY RESPONSIBILITIES

A. Each Agency shall take the following actions consistent with the provisions of this Agreement, except as otherwise provided in the description of the action:

1. Designate an Agency Site Manager, or agree to have another Agency provide Site Manager services and reimburse that Agency for such services.
2. Review Contractor and Consultant deliverables and provide accurate, and complete comments, as required, in the time frames prescribed in Exhibit B.
3. Establish bank accounts, including "Zero Balance Accounts", to facilitate cash and Electronic Commerce Transactions and receiving and distributing funds, and provide authorization to banks for the Contractor to direct the movement of funds among the Agency's accounts for the purposes of fare reconciliation.
4. Direct banks to honor directions issued by the Contractor to collect and distribute funds to and from such bank accounts.
5. Establish merchant agreements with banks for acceptance and processing of Electronic Commerce Transactions.
6. Designate Agency personnel who are authorized RFC System users to ensure data are protected.
7. Designate Agency personnel who will have access to RFC System security keys.
8. Pay the Regional Service Fee to an Agency that performs functions on behalf of all Agencies pursuant to Section IX of this Agreement.

9. Maintain all RFC System equipment and hardware on vehicles and in facilities, to the extent required of each Agency in the RFC Contract.
10. If applicable, provide and maintain phone and other communication lines connecting RFC System locations, including, but not limited to Agency facilities as necessary for data transmittal. If such lines are determined by the Joint Board to benefit more than a single Agency, the costs of such lines shall be shared by all Agencies, as assessed by the Joint Board.
11. If applicable, market public transportation and establish contractual relationships with Institutional Accounts.
12. If applicable, establish and maintain contractual relationships with Retail Revalue Sites, including, but not limited to, facilitating the Contractor's provision of equipment (e.g., card readers/writers) to such sites and acting as a liaison, when necessary, between the retailer and the Contractor. Unless otherwise agreed to by the Joint Board, a uniform Retail Revalue Site agreement shall be used by each Agency.
13. Monitor the performance of the Contractor, and immediately report performance issues to the Contract Administrator for action. If an Agency is not satisfied with the action of the Contract Administrator, the Agency may submit the issues to the Joint Board for resolution. The Agency shall abide by the decision of the Joint Board.
14. To the extent allowed by Washington State law, protect from unauthorized disclosure all data and reports related to the RFC System, including data related to usage of specific cards, and immediately report all requests for such data and reports to the Contract Administrator and Joint Board, prior to releasing such data and reports.
15. Provide notice to the Contract Administrator no less than thirty (30) days prior to the effective date of any changes in fares. Said notice shall be in writing and shall be accompanied by a written report of the possible effects of such changes on the RFC System.
16. Provide to the Contract Administrator all information relating to, and take all actions required for, the administration and enforcement of warranties on all equipment, hardware and software.
17. Maintain equipment warranty and repair records and provide periodic reports to the Contract Administrator for the purpose of monitoring overall system and component reliability.

18. Train, or provide for training, of Agency personnel on operation and maintenance of the RFC System. Each Agency will attempt to establish training programs that are consistent in content with those of other Agencies.
19. Allow the Contractor to access Agency equipment and facilities for the performance of development, installation, operation and maintenance functions under the RFC Contract.
20. Provide information to the public on the benefits and uses of the RFC System to promote use of the RFC System. Each Agency will attempt to provide information that is consistent with that provided by other Agencies.
21. Enter into cardholder agreements with, and provide informational materials to, users of the RFC System. Each Agency shall use the uniform cardholder agreement and informational materials that have been authorized by the Joint Board and are consistent with the terms of Exhibit D.
22. Participate in fixed or periodic meetings with the Contractor, the Contract Administrator, representatives of other Agencies, and any combination of such parties.
23. Provide the Contract Administrator with a minimum of 30 days notice of needs for additional equipment, hardware, software and any changes in the RFC System.
24. If applicable, suggest modifications to the RFC System by submitting a written report to the Contract Administrator and Joint Board. The report should identify the suggested modification, the anticipated outcomes from the modification, the estimated cost of the modification, the impacts of the modification on other Agencies, and all other information related to the suggested modification. No modification shall be approved except by the change order or amendment process set out in the RFC Contract and this Agreement.
25. Except as otherwise specified, be merchant of record and accept the risk of loss regarding cash, check, and Electronic Commerce Transactions.
26. If applicable, issue RFCS Cards and/or perform stored value and pass revalue functions for RFCS customers on behalf of all of the Agencies in accordance with the uniform cardholder agreement.
27. Assist in the development of the RFCS Project rollout plan, as described in Exhibit A.

- 28. Assist in the development of uniform agreements to be used for the RFCS Project, including the cardholder agreement, Institutional Account agreements and third party retailer agreements, as described in Exhibit A.
- 29. Conduct required audits in accordance with generally accepted auditing standards and/or audit procedures and guidelines of the Agency.

B. The Agencies have additional responsibilities that are set forth in the RFC Contract. The Agencies shall apprise themselves of the terms and conditions of the RFC Contract and take all necessary and appropriate actions to fulfill all responsibilities, whether described in this Agreement or in the RFC Contract. In the event that the Agency believes that there is a conflict between responsibilities described in this Agreement and those in the RFC Contract, the Agency shall bring said conflict to the attention of the Contract Administrator, who shall make a decision regarding resolution of the conflict. In the event that the Agency disagrees with the Contract Administrator's determination, the matter shall be referred to the Joint Board for resolution. The Agency shall abide by the decision of the Joint Board.

III. JOINT BOARD

A. By executing this Agreement, the Agencies hereby create a Joint Board, which shall function as a joint board pursuant to chapter 39.34 RCW. The Joint Board shall oversee project and contract administration of the RFC Project, including the RFC Contract and Joint Consultant contracts, as provided in this Agreement. The Joint Board shall act on behalf of all Agencies and as may be in the best interests of the RFC Project.

B. Membership on the Joint Board shall consist of the following officials from each Agency, which representative shall be authorized to take actions within the scope of this Agreement: King County's Transit General Manager; Community Transit's Chief Executive Officer; Sound Transit's Executive Director; Kitsap Transit's Executive Director; Pierce Transit's Chief Executive Officer; and Washington State Ferries' Chief Executive Officer. In addition, an Agency may select an alternate representative to participate on the Joint Board during the absence or inability of the representative to participate. A quorum for a meeting of the Joint Board shall be a majority of the representatives of the Agencies.

C. The Joint Board shall establish procedures for the operations and meetings of the Joint Board, including the election of a chair, vice chair, and other positions deemed necessary by the Joint Board. The terms of office of the chair and other positions shall be determined by the Joint Board. The vice chair shall serve as acting chair if the chair is absent or otherwise unavailable. Each Joint Board representative shall be entitled to one vote. Voting by proxy may be permitted according to procedures adopted by the Joint Board.

- D. The Joint Board shall make decisions on all matters related to the RFC Project except those decisions that are (1) delegated to the Contract Administrator under this Agreement or by subsequent action of the Board or (2) require action by the governing boards of the Agencies.
- E. The Agencies agree that the following decisions do not require further action by their respective governing boards and shall be made by the Joint Board without delegation to the Contract Administrator:
1. Issue a Notice of Apparent Completion (NAC) of the following RFC Contract Deliverables and/or Milestones:
 - a. Project Schedule
 - b. Final Design
 - c. Factory Acceptance Testing
 - d. System Integration Testing
 - e. BETA Test Readiness
 - f. BETA Test Acceptance
 - g. Complete System Commissioning
 - h. Complete Operator Training
 - i. Full System Acceptance.
 2. Approve award and termination of Joint Consultant contracts provided the RFC Project Budget is not exceeded.
 3. Approve the RFC Project Budget, and all amendments to the RFC Project Budget, subject to the capital amounts committed by each Agency as set forth in Exhibit C, RFC Project Budget Estimated Expense and Grant Revenues, and future appropriations for operations and maintenance.
 4. Approve amendments to the Project Team Plan in Exhibit A.
 5. Approve amendments to the Contract Administration Plan in Exhibit B.
 6. Approve amendments to the Finance Plan in Exhibit C, including amendments to the respective Agency payment percentage shares for operation and maintenance.

7. Approve amendments to the Invoice Payment Process in Exhibit C.
8. Approve amendments to the Fare Collection and Customer Service Practices in Exhibit D.
9. Approve RFC Contract change orders outside the scope of authority of the Contract Administrator, as set forth in Exhibit B, Section D.3, provided the RFC Project Budget is not exceeded.
10. Approve Joint Consultant contract change orders outside the scope of authority of the Contract Administrator, as set forth in Exhibit B, Section G.1, provided the RFC Project Budget is not exceeded.
11. Approve RFC Project decisions, other than change order approvals, that, if implemented, would cause a financial impact of \$50,000 or more.
12. Consent to an Agency entering into a contract with the Contractor for a specialized application.
13. Approve the RFC Project rollout plan developed by the Project Team.
14. Approve uniform agreements developed by the Project Team, including the cardholder agreement, Institutional Account agreements and third party retailer agreements. If approved by the Joint Board, Institutional and third party retailer agreements may accommodate Agency-specific provisions as required by business needs of an Agency.
15. Approve the use of additional applications on RFCS Cards issued by the Agencies and/or the use of the RFCS application on cards issued by the Contractor or by a third party. No Agency is authorized to perform either of the activities set forth in this Section III.E (15) without prior approval of the Joint Board.
16. Approve the addition of new parties to this Agreement and the terms and conditions for such addition.
17. Approve the terms and conditions for an Agency's withdrawal from this Agreement.
18. Approve the selection of the Contract Administrator and conduct annual performance reviews.
19. Approve amendments to Section III.F. which would allow additional Joint Board decisions to be made by majority, rather than unanimous, vote.

- F. The Joint Board shall attempt to reach consensus agreement on the decision before it. If consensus is not achieved, the Joint Board shall make the decision by voting with each Agency having one vote. Decisions by the Joint Board shall require a unanimous vote of all Agencies for approval, unless identified in this Agreement as subject to simple majority vote approval. The following decisions are subject to majority vote: 1) termination/replacement of the Contract Administrator in accordance with Section IV.E; and 2) approval of Change Orders with a value greater than \$50,000, but not exceeding \$100,000, providing the amount approved does not exceed the RFC Project Budget. Decisions and actions by the Joint Board shall be memorialized in writing and signed by the chair of the Joint Board. A copy of each decision and action shall be distributed to each representative and alternate representative within five days of the decision or action.
- G. The Joint Board may create one or more committees or advisory groups to consider and advise on issues and matters deemed appropriate by the Joint Board. Committees and advisory groups will not have any decision-making authority on the RFC Project. The Joint Board may invite third parties to participate in such committees or advisory groups if specialized expertise or knowledge would help the committee or advisory group achieve its goal.

IV. PROJECT TEAM

- A. The Project Team for design and implementation of the RFC System shall consist of the Contract Administrator, IS/Technical Manager, Budget and Contract Control Manager, Agency Site Managers, and a Project Assistant. The duties and responsibilities of the members of the Project Team are set forth in the Project Team Plan in Exhibit A to this Agreement, which exhibit is incorporated by this reference as though fully set forth herein. The positions on the Project Team, other than Contract Administrator, may be revised by the Joint Board as deemed appropriate for operation and maintenance of the RFC System.
- B. The Contract Administrator, who shall be nominated by King County and approved by the Joint Board, shall report to the Joint Board and have day-to-day responsibility for managing the IS/Technical Manager, Budget and Contract Control Manager and Project Assistant on behalf of and at the direction of the Joint Board. The Contract Administrator shall neither be King County's representative on the Joint Board nor its Agency Site Manager. The Contract Administrator shall be the agent of the Agencies for purposes of managing the RFC Contract and contracts with Joint Consultants.
- C. The Contract Administrator is empowered to make decisions for the Agencies required during the management of the Project Team or the administration of the RFC Contract and Joint Consultant contracts, except those decisions identified in

this Agreement that shall be made by the Joint Board or decisions that require action by the governing boards of the Agencies.

- D. The Contract Administrator must report monthly to the Joint Board on the status of the RFC Project including, but not limited to, project schedule, payments, budget, etc. The Contract Administrator is encouraged to seek expert input from Agency Site Managers or other employees where applicable.
- E. If the Joint Board determines, for whatever reason, that the RFC Project requires a different Contract Administrator, the Joint Board shall notify King County of such request for removal which shall be subject to the limits and requirements of any applicable collective bargaining agreement and King County Code provisions. Subject to such limits and requirements, King County shall then nominate a new Contract Administrator who shall be subject to approval of the Joint Board.
- F. The Contract Administrator shall select the other members of the Project Team, except the Agency Site Managers who shall be selected by each Agency. Except for the Agency Site Managers, the members of the Project Team shall act on behalf of and at the direction of the Joint Board through the Contract Administrator. The Joint Board shall not be the employer of the Contract Administrator and other members of the Project Team. The Contract Administrator and each member of the Project Team shall serve under the employment terms and conditions established by King County.
- G. On a quarterly basis each Agency shall pay its share, according to the percentage shares set forth in this Agreement, of the Project Team costs, except the costs associated with the Agency Site Managers. Each Agency shall pay all costs associated with its Agency Site Manager and all other personnel it assigns to participate on the RFC Project. Costs related to the Contract Administrator, IS/Technical Manager, Budget and Contract Control Manager, and Project Assistant shall be considered costs of the Agencies to be included in the RFC Project Budget.
- H. The Project Team will be dissolved after full system acceptance of the RFC System as determined by the Joint Board. The Agencies understand that the ongoing operation and maintenance of the RFC System will require support staff. The Joint Board will determine the appropriate number, duration, responsibilities and title(s) of required support staff prior to full system acceptance.

V. CONTRACT EXECUTION AND ADMINISTRATION

- A. A duly authorized representative of each Agency shall sign the RFC Contract with the Contractor and contracts with each Joint Consultant. Said contracts shall provide that no Agency shall have a greater percentage share of any

liability to the contractors under the contracts than as expressly set forth in an Exhibit to said contract. Each Agency hereby agrees to defend, indemnify and hold King County harmless, in its capacity as an individual Agency, for any costs that may be subsequently disallowed for grant reimbursement due to any differences between King County's procurement process and such Agency's process or the requirements of any federal or state agency making a grant that is utilized in the RFC Project.

- B. The Agencies agree it is essential to have streamlined efficient processes and procedures for administering contracts with the Contractor and the Joint Consultants. To that end, the Agencies agree to the Contract Administration Plan set forth in Exhibit B to this Agreement.
- C. RFC specialized applications are applications that benefit one or more Agencies but are not integral to the RFC System, as determined by the Joint Board.

An Agency seeking to develop specialized applications shall enter into individual contracts with the Contractor as necessary and be solely responsible for paying the costs of such contracts. At least thirty (30) days prior to entering into such contracts, the Agency shall provide a copy of each proposed contract to the Joint Board and demonstrate to the satisfaction of the Joint Board that entering into each contract will not add cost to the other Agencies and will not delay or interfere with the RFC Project.

- D. Each Agency shall defend, indemnify and hold harmless the other Agencies from all claims of any kind and for all costs incurred (including attorneys' fees) as a result of the Agency entering into such individual contracts with the Contractor.
- E. The Agencies agree that any consultant contracts they executed for work during prior phases of the RFC Project (herein referred to as "Joint Consultant contracts") may be extended and new tasks added, subject to limits set forth in Exhibit C and applicable procurement policies and requirements. If the Agencies desire to procure new Joint Consultant contracts to assist them on the RFC Project, each Agency shall designate one representative to participate in the deliberations led by the Contract Administrator for selection of such consultants.
- F. Upon such approval as may be necessary by their respective governing boards, the Agencies shall each sign Joint Consultant contracts.
- G. The roles of the Contract Administrator and each Agency's Site Manager in administering a Joint Consultant contract are specified in the Contract Administration Plan included as Exhibit B to this Agreement.
- H. Each Agency may sign and administer individual consultant contracts with any consultants to perform any tasks unique to each Agency that are not covered by Joint Consultant contracts. An Agency entering into individual consultant

contracts shall be solely responsible for paying the costs of such contracts. At least thirty (30) days prior to entering into such consultant contracts, the Agency shall provide a copy of each proposed contract to the Joint Board and demonstrate to the satisfaction of the Joint Board that entering into each contract will not add cost to the other Agencies and will not delay or interfere with the completion of the RFC Project.

- I. To the extent an Agency enters into such an individual consultant contract by using the procurement process conducted for Joint Consultant contracts, such Agency thereby accepts King County's competitive selection process for the purpose of entering into its own contract and hereby agrees to defend, indemnify and hold King County harmless against any and all claims, liabilities or costs of any kind or nature which arise out of or are related to the consultant selection process or any individual contracts with the consultants. As to such individual consultant contracts, no Agency shall be required to use the procurement process conducted for Joint Consultant contracts.
- J. Each Agency shall defend, indemnify and hold harmless the other Agencies from all claims of any kind and for all costs incurred (including attorneys' fees) as a result of the Agency entering into such individual consultant contracts.

VI. FINANCIAL PROVISIONS

- A. The Contract Administrator shall prepare a RFC Project Budget that includes the amount to pay for: products and services by the Contractor and Joint Consultants; Project Administration activities; Administrative/Project Management Fees; Regional Service fees charged by Agencies for the provision of services to other Agencies; and for contingency and other shared costs of the Agencies on the RFC Project. The Joint Board shall determine the form, duration and level of detail for the RFC Project Budget. The RFC Project Budget, and all amendments to the RFC Project Budget, shall be subject to approval by the Joint Board and subject to the capital amounts committed by each Agency as set forth in Exhibit C, RFC Project Budget Estimated Expense and Grant Revenues, and future appropriations for operations and maintenance. The Joint Board shall notify the Agencies of the approved RFC Project Budget and each proposed amendment to the RFC Project Budget.
- B. By entering into this Agreement, each Agency agrees to pay the RFC Project costs, as allocated and described in the RFC Finance Plan which is attached hereto as Exhibit C. The purpose of the Finance Plan is to summarize the regionally shared and individual Agency costs, revenues, cost sharing assumptions, payment schedules and finance-related administrative procedures to be utilized under this Agreement.
- C. Exhibit C sets forth the percentage shares to be paid by each Agency during the design and implementation of the RFC System, as well as during operation and

maintenance, toward the regionally shared costs including, but not limited to, RFC and Joint Consultant contract costs, Project Administration costs, Administrative/Project Management Fees, any Regional Service Fees charged by Agencies for the provision of system operating support services to other Agencies; and other shared costs of the Agencies on the RFC Project.

- D. The percentage shares for design and implementation shall not be subject to revision, except as necessary to accommodate the addition of a new agency, or withdrawal by an Agency from this Agreement in accordance with Section XII.
- E. Unless otherwise agreed to by the Joint Board, the percentage shares for operation and maintenance shall be set by the Joint Board no later than July 1 of each year for the following calendar year and shall be based on audited ridership or transaction data. The percentage shares shall reasonably reflect system activity of each Agency.
- F. Pursuant to RCW 39.34.030 (4)(b), the Joint Board may establish special funds with an Agency serving as Fiscal Agent on behalf of all the Agencies. On behalf of the Joint Board, the Fiscal Agent shall establish a smart card central payments account ("SC Central Payments Account") for the design and implementation phase and operation and maintenance phase of the RFC Project. RFC Project funds to be paid to the Contractor or Joint Consultants shall be deposited into and paid out of the SC Central Payments Account. Administrative/Project Management Fees and Regional Service Fees paid by Agencies shall not be included in the SC Central Payments Account. One or more of the Agencies may, at their own expense, audit the performance of the Fiscal Agent under this Agreement. Upon reasonable notice, during normal working hours, the Fiscal Agent shall provide access to and facilities for copying the records of its actions and decisions while performing as Fiscal Agent.
- G. The Joint Board shall establish policies and procedures for receiving payments into and authorizing disbursements from the SC Central Payments Account. The Fiscal Agent shall make no payments out of the SC Central Payments Account except as authorized by the policies and procedures established by the Joint Board.
- H. To the extent authorized by the Contract Administrator, the Fiscal Agent shall disburse payments from the SC Central Payments Account established pursuant to this Agreement. The Fiscal Agent shall have no obligation to disburse funds from such account unless balances in the account are sufficient to cover the disbursement. The Invoice Payment Process is set forth in Exhibit C to this Agreement.
- I. Each Agency agrees to make payments promptly, and consistent with the deadlines set forth in Exhibit C, upon receipt of written notification from the Contract Administrator. The Contract Administrator may give such notification by

electronic or other means as authorized by the Joint Board and as required by each Agency to comport with individual accounts payable policies and procedures. Each Agency shall make payment by electronic funds transfer.

- J. Each Agency shall be responsible and liable to the other Agencies for interest and other costs, claims or liabilities of any kind that result from late payment by the Agency, and the late-paying Agency shall defend, indemnify and hold harmless the other Agencies from such costs, claims or liabilities resulting from the late payment. If, in order to avoid late payment charges under a contract, the Contract Administrator authorizes payment without first receiving the share of the payment from an Agency, and the Fiscal Agent agrees to advance sufficient funds from a reserve account established jointly by the Agencies for such purpose, and then the Joint Board may assess interest costs against the late paying Agency at the rate of twelve percent per annum. Should such funds be unavailable, the Fiscal Agent may make partial payments. The late-paying Agency will be responsible for any late payment charges. In the event an individual Agency fails to pay its individual costs or its share of regional costs, the other Agencies may also seek a judgment against said Agency. The costs of seeking a judgment will be considered costs of the Agencies and shall become part of the RFC Project Budget. Any costs incurred to seek the judgment and recover costs will be charged against the responsible Agency.
- K. In addition to its responsibilities related to the SC Central Payments Account outlined above, the Fiscal Agent will establish the following bank accounts on behalf of all of the Agencies:
1. Float/E-purse Account: This account will serve as the central repository for e-purse revenue. Interest that accrues in this account, if any, shall be distributed to each Agency quarterly according to the operation and maintenance percentage shares in effect for that quarter. The Float/E-purse Account shall be established prior to the BETA Test.
 2. Claim Account: This account will serve as the central repository for e-purse transaction funds for which data were lost after a certain period of time. Distributions from this account shall be subject to procedures adopted by the Joint Board. However, interest that accrues in this account, if any, shall be distributed pro rata to each Agency quarterly according to the operation and maintenance percentage shares set forth in Exhibit C.
- L. To the extent the Fiscal Agent incurs actual costs in serving as Fiscal Agent under this Agreement, each Agency agrees to pay an Administrative/Project Management Fee to the Fiscal Agent to cover its actual labor, material, overhead and other costs incurred in providing services as Fiscal Agent. Prior to assessing such fee, the Fiscal Agent shall inform the Joint Board of the basis for and amount of the proposed fee, which fee shall be subject to approval by the Joint Board. The Joint Board shall notify each Agency not later than July 1 each

year of the monthly fee and the share of that fee to be paid by each Agency in the upcoming year.

- M. Each Agency shall maintain its own banking relationships. Each Agency shall establish an automated clearinghouse (ACH) authorization with its own bank to allow the Contractor to complete daily net settlements between the various Agency accounts, including the Float/E-purse and Claim accounts described above. An Agency shall restrict access to certain account numbers in order to limit the Contractor's options for where it can direct funds. Each Agency shall establish the ACH authorization prior to the BETA Test.
- N. The provisions of this Agreement assume that all load and use transactions related to the RFC System are fare payment in nature. Prior to performing any Agency-specific non-fare related load or use transactions or fare payment transactions that take place outside of the Central Puget Sound, an Agency must submit a proposal to the Joint Board for approval which includes, but is not limited to, the treatment of handling and administrative costs and risks associated with such transactions, potential RFC Contract change orders to accomplish the completion of such transactions, and any other associated costs.
- O. The Agencies acknowledge that the Contractor will use a net settlement process to simplify and reduce the number of transfers necessary to accomplish reconciliation. The timeline for this process generally is as follows: Day 1) transactions are processed at midnight on the day they occurred; Day 2) at noon the following day, reports are available to the Agencies showing how much money will either be deposited into or deducted from their accounts the next morning at 8 a.m.; and Day 3) funds are transferred.
- P. The Agencies acknowledge that revenue from the loading of pass value at Agency locations will be distributed at the time of net settlement among the various Agencies according to the business rules.
- Q. The Agencies acknowledge that funds loaded by customers into an e-purse for transportation trips are deposited into the Float/E-purse Account. As trips are actually provided, the Contractor shall transfer funds from the Float/E-purse Account to individual Agency accounts via the net settlement process.
- R. In addition to the revenue distribution procedures outlined above, the Agencies agree they will utilize a uniform accounting treatment, in accordance with revenue allocation formulae, for fare revenue received from the sale of smart cards and the passes or stored value purchased by customers for use on their smart card.
- S. Except as otherwise specified below, the individual Agencies shall be the merchants of record for all card issuance and value issuance transactions. Agencies shall accept credit or debit cards for such transactions. In order to

conduct such transactions, Agencies may have individual relationships with their merchant banks or may join together to procure such banking services. Although fees charged to an Agency by a third party for the provision of certain transactions may be shared by the Agencies as described below, each Agency remains solely responsible for its own internal costs of conducting said transactions. The Agencies' responsibilities regarding specific types of transactions are as follows:

1. Over the counter transactions: Credit or debit card fees charged to an Agency for over the counter transactions shall be shared by all of the Agencies according to the operation and maintenance percentage shares set forth in Exhibit C. However, the transacting Agency shall bear the risk of fraud, including chargebacks, unless the Agency transfers the risk to its merchant bank.
2. Ticket Vending Machine (TVM) transactions: Sound Transit shall be the merchant of record for TVM transactions and shall bear the risk of fraud, including chargebacks, for such transactions unless it transfers the risk to its merchant bank. Credit card fees for TVM transactions shall be shared by the Agencies according to the operation and maintenance percentage shares set forth in Exhibit C.
3. Telephone transactions: King County agrees to be the merchant of record for telephone transactions performed by King County. However, the Agencies shall share the cost of credit card and any other fees and the risk of fraud for telephone transactions according to the operation and maintenance percentage shares set forth in Exhibit C. The Agencies shall pay King County a Regional Service Fee for its performance of the functions herein on behalf of all of the Agencies. King County may terminate its provision of this service at its sole discretion and convenience upon one hundred and fifty (150) days written notice to the other Agencies.
4. Mail transactions: King County agrees to be the merchant of record for mail transactions performed by King County. However, the Agencies shall share the cost of credit card and any other fees and the risk of fraud for mail transactions according to the operation and maintenance percentage shares set forth in Exhibit C. The Agencies shall pay King County a Regional Service Fee for its performance of the functions herein on behalf of all of the Agencies. King County may terminate its provision of this service at its sole discretion and convenience upon one hundred and fifty (150) days written notice to the other Agencies.
5. Website transactions: King County agrees to be the merchant of record for website transactions. However, the Agencies shall share the cost of credit card and any other fees and the risk of fraud for website transactions according to the operation and maintenance percentage shares set forth in

Exhibit C. The Agencies shall pay King County a Regional Service Fee for its performance of the functions herein on behalf of all of the Agencies. King County may terminate its provision of this service at its sole discretion and convenience upon one hundred and fifty (150) days written notice to the other Agencies.

6. Autoload transactions: King County agrees to be the merchant of record for autoload transactions. However, the Agencies shall share the banking fees, if any, and the risk of fraud for autoload transactions according to the operation and maintenance percentage shares set forth in Exhibit C. The Agencies shall pay King County a Regional Service Fee for its performance of the functions herein on behalf of all of the Agencies. King County may terminate its provision of this service at its sole discretion and convenience upon one hundred and fifty (150) days written notice to the other Agencies.
 7. Third party retail transactions: The third party retailer shall be the merchant of record, including bearing responsibility for credit card fees and the risk of fraud, for transactions occurring on its premises. An Agency may not agree to assume credit card fees or the risk of fraud on behalf of a third party retailer without the prior approval of the Joint Board.
- T. Except for mail transactions performed on behalf of the Agencies by King County for which the risk of fraud shall be shared by the Agencies, if an Agency or third party retailer accepts cash or checks as payment for any of the transactions described above, that Agency or third party retailer shall bear the risk of fraud and, in the case of checks, insufficient funds regarding such transactions.
- U. The Contract Administrator shall assist each Agency to make best efforts to secure state and federal grant funds to assist in paying its portion of the RFC Project. If such funds are offered, the Agency shall comply with all terms and conditions applicable to receipt and use of the funds. If such grants include requirements that are not included in this Agreement or the RFC or Joint Consultant contract, the Agency shall propose amendments to the affected agreement or contract to accommodate the grant requirements. Each Agency acknowledges that while such funds would assist in paying its portion of the RFC Project, the Agency's acceptance and compliance with such terms and conditions constitute an integral part of the overall funding plan for the RFC Project. Each Agency agrees that if one Agency is awarded a grant for which all Agencies are eligible, the receiving Agency shall distribute the grant funds with the other Agencies prior to obligation according to the regionally shared cost percentages in place at the time said grant is distributed. Each Agency further agrees to obligate their appropriate share of grant funds through the state or federal agency awarding the funds and apply them to the RFC Project. The grant funds distribution strategy is included in Finance Plan set forth as Exhibit C to this Agreement.

VII. NOTICES

A. Communications under this Agreement may be provided by telephone, regular mail, e-mail, or fax, except that any notices or demand on other parties including, but not limited to, an Agency's notice of its intent to withdraw from this Agreement, shall be in writing and shall be deemed to have been given if delivered in person or deposited in any United States Postal Service mail box, sent by registered or certified mail, return receipt requested, and first class postage prepaid, addressed to the Agency for whom it is intended as follows:

If to the Snohomish County Public Transportation Benefit Area:

Name: John Sindzinski
Title: Chief Operations and Development Officer
Address: 7100 Hardeson Road
Everett, WA 98203-5834

If to the Kitsap County Public Transportation Benefit Area:

Name: John Clauson
Title: Service Development Director
Address: 200 Charleston Blvd.
Bremerton, WA 98312

If to the Central Puget Sound Regional Transit Authority:

Name: Brian Brooke
Title: Fare Integration Project Manager
Address: 401 South Jackson Street
Seattle, WA 98104-2826

If to Washington State Ferries:

Name: Thom Opheim
Title: Operations Planning Manager
Address: 2911 Second Avenue
Seattle, WA 98121

If to King County:

Name: Peggy Willis
Title: Manager, Management Information and Transit Technology

Address: 201 South Jackson Street (MS-KSC-TR-0333)
Seattle, WA 98104-3856

If to the Pierce County Public Transportation Benefit Area:

Name: Kevin Desmond
Title: Vice President Operation and Development
Address: P.O. Box 99070
Tacoma, WA 98499-0070

- B. These names, titles and addresses may be changed by written notice to all Agencies provided pursuant to this provision.

VIII. FARE COLLECTION AND CUSTOMER SERVICE PRACTICES

The Agencies acknowledge that the Fare Collection and Customer Service Practices set forth in Exhibit D, attached hereto and made a part hereof, were included in the design of the RFC System and that changes in such Practices could financially affect the RFC Project and the other Agencies. Each Agency agrees it shall notify the other Agencies in writing, at least sixty (60) days in advance, of any change in its fare collection and customer service practices, and further agrees that it shall not implement any fare collection or customer service practices that are inconsistent or conflict with Exhibit D. The Agencies agree that Exhibit D may be amended by the Joint Board as provided in Section III.E of this Agreement.

IX. PROVISION OF REGIONAL SUPPORT SERVICES BY AN AGENCY

- A. King County will perform the following system operating support services for all Agencies: (1) card stock warehouse, inventory management and distribution; (2) card procurement – order processing for the Agencies with the Contractor; (3) and new card purchase and revalue request fulfillment for all customer mail, web or phone sales and all Institutional (subsidy) Accounts, including acting as the merchant of record for such transactions. The system operating support services that will be provided by King County are further described in Exhibit E. The other Agencies shall pay King County a Regional Service Fee for the provision of such support services in the same manner and frequency as required for Administrative/Project Management Fees unless established otherwise by the Joint Board. The Joint Board shall review annually all Regional Service Fees. King County may cease providing all or some support services at its sole discretion and convenience upon one hundred and fifty (150) days written notice to the other Agencies.
- B. The Joint Board may also approve another Agency's provision of these or other system operating support services. If approved by the Joint Board, such Agency

shall be paid a Regional Service Fee for the provision of such services. The Agency may also terminate its provision of support services at its sole discretion and convenience upon one hundred and fifty (150) days written notice to the other Agencies.

X. INTELLECTUAL PROPERTY

- A. The capitalized terms used in this Section shall have the same meanings as have been given those terms in the RFC Contract.
- B. Each Agency agrees that it will exercise its license rights in accordance with the license provisions of the RFC Contract as regards any intellectual property provided under said contract ("IP"), including Contract Deliverables, Contractor IP, DDU IP, RFCS IP, Third Party IP and IP Materials related to all such intellectual property.
- C. Each Agency that desires to install additional applications onto its DDUs shall, in conjunction with the Contract Administrator, obtain the Contractor's certification in accordance with the process outlined in the RFC Contract prior to installing such additional applications.
- D. Each Agency shall take reasonable measures, to the extent required by the RFC Contract, to protect any IP and IP Materials related to same from being disclosed to third parties other than those to whom sublicenses and transfers are permitted by the license rights granted under the RFC Contract. Each Agency shall require such other permitted third parties to sign nondisclosure agreements requiring that they also undertake reasonable protection measures.
- E. Each Agency shall take such reasonable measures as are necessary to protect the confidentiality of (1) Use Data and Use Data Reports that contain personally identifiable information, and (2) any IP and IP Materials related to same, to the extent protective measures are required by the Contract. Such measures shall include (1) restricting access to such personally identifiable information, IP and IP Materials to those of its employees with a reasonable need to know; (2) requiring such employees to sign a nondisclosure agreement; (3) promptly enforcing any violations of such agreements; and (4) reporting such violations to the Contract Administrator as soon as is practicable.
- F. Each Agency shall pay its share of the fees related to the Escrow Agreement, which will be in effect during the term of the RFC Contract. An Agencies' share shall be determined by the percentage share in effect at the time the fee is due to the escrow service firm.

- G. Notwithstanding any provision in the RFC Contract, each Agency agrees that it shall not grant or transfer any rights in IP related to the RFCS without the written approval of the Joint Board.
- H. Each Agency shall defend, indemnify and hold harmless the other Agencies against any and all infringement actions, claims for license fees or royalties, suits, actions, and liabilities of any kind whatsoever, including attorneys' fees and costs, which arise out of or are in any way related to the negligent or intentional act of an Agency, its employees, agents or contractors in using, transferring, sublicensing or otherwise releasing any IP, IP Materials related to same, or information in violation of any of the provisions of this Section or the RFC Contract.
- I. In the event of an Agency's withdrawal from this Agreement, the Agency shall deliver to the Contract Administrator, and relinquish its license rights in, all IP created or provided for the RFC Project except to the extent such IP was created or provided solely for the use or benefit of the withdrawing Agency. In the event this Agreement is terminated, each Agency shall retain any license rights for which it has paid its share of the costs.
- J. The provisions of this Section X shall survive and remain applicable to the Agencies notwithstanding any termination or expiration of this Agreement or an Agency's withdrawal from this Agreement. However, an Agency shall obtain no rights to any IP created after an Agency withdraws from this Agreement.

XI. LEGAL RELATIONS

- A. It is understood and agreed that this Agreement is solely for the benefit of the Agencies and gives no right to any other entity. No joint venture or partnership is formed as a result of this Agreement. No employees or agents of an Agency or any of an Agency's contractors or consultants shall be deemed, or represent themselves to be, employees of any other Agency.
- B. The Agencies shall comply, and shall ensure their respective contractors comply, with all federal, state and local laws, regulations and ordinances applicable to their respective obligations under this Agreement.
- C. The Agencies shall each comply with the terms of all grant agreements between an Agency and the FTA which terms are incorporated herein by this reference. Any Agency which receives federal grant funds for reimbursement of payments made or expenses incurred in performance of work under this Agreement shall defend, indemnify and hold harmless each of the other Agencies against any claims, lawsuits, actions, grievances, costs, losses, damages or liabilities or obligations of any kind whatsoever which are directly or indirectly related to the terms of such Agency's grant agreement with the federal government.

- D. To the maximum extent permitted by law, each Agency shall defend, indemnify and hold harmless the other Agencies and all of their officials, employees, principals and agents from all claims, demands, suits, actions, and liability of any kind, including injuries to persons or damages to property, which arise out of, are connected with, or are due to any negligent acts or omissions of the indemnifying Agency, its contractors, and/or employees, agents, and representatives in performing the Agency's responsibilities and other work referred to in this Agreement; provided, however, that if (and only if) the provisions of RCW 4.24.115 apply to any work under this Agreement and any such damages and injuries to persons or property are caused by or result from the concurrent negligence of Agencies, their contractors or employees, agents, or representatives, the indemnification applies only to the extent of the negligence of each Agency, its contractor or employees, agents, or representatives. Each Agency specifically assumes potential liability for actions brought by its own employees against any other Agency and for that purpose the indemnifying Agency specifically waives, as respects the other Agency only, any immunity under the Worker's Compensation Act, RCW Title 51; and each Agency recognizes that this waiver was the subject of mutual negotiation and specifically entered into pursuant to the provision of RCW 4.24.115, if applicable. Each Agency to this Agreement shall reasonably notify the other Agencies of any and all claims, actions, losses or damages that arise or are brought against that Agency relating to or pertaining to this Agreement. In the event an Agency incurs attorney's fees, costs or other legal expenses to enforce the provisions of this section against any other Agency, all such fees, costs and expenses shall be recoverable by the prevailing Agency.
- E. In the event a third party to this Agreement, other than the FTA, submits a claim to the Agencies or any individual Agency for costs, damages or liabilities of any kind pursuant to the third party's contract with the Agencies, or in tort or any other legal theory, the Agencies agree to meet for the purpose of developing a joint defense plan. The Agencies agree to cooperate with each other as necessary in responding to and defending against all such actions. In the event that resolution of the claim, whether by negotiation, Dispute Review Board recommendation, mediated settlement or judicial order, results in additional costs to the Agencies, said additional costs will be shared by the Agencies, except to the extent that the additional costs are directly attributable to an individual Agency. Such additional costs to the Agencies may include, but are not limited to, the fully allocated labor cost of the staff and attorneys involved in the response or defense of all such actions and any outside counsel or consultant resources deemed necessary by the Agencies. In the event that the additional costs are attributable to an individual Agency, said Agency is responsible for such costs and shall pay same within thirty (30) days of the claim's resolution.

- F. In the event an Agency fails to perform an obligation under this Agreement, the Agencies shall have the right to bring an action for specific performance, damages and any other remedies available under this Agreement, at law or in equity.
- G. Except for the reimbursement and other express obligations under this Agreement, no Agency by reason of this Agreement assumes any responsibility for the payment of any compensation, fees, wages, benefits or taxes to or on behalf of any other Agency, including its employees, representatives, agents, contractors or suppliers.
- H. The Agencies' rights and remedies under this Agreement are in addition to any other rights and remedies provided by law.
- I. These legal relation provisions shall survive and remain applicable to each of the Agencies notwithstanding any termination or expiration of this Agreement and notwithstanding termination by an Agency of its participation under this Agreement.

XII. TERMINATION

- A. The Joint Board may terminate this Agreement in its entirety by the unanimous affirmative vote of all Agency representatives.
- B. In the event that an Agency believes it has cause to withdraw from this Agreement and terminate its participation in the RFC Contract, it shall give written notice to the Joint Board, which shall include the following information, as a minimum:
 - 1. An explanation of the circumstances causing the Agency to believe withdrawal is necessary;
 - 2. A description of the probable impacts on the other Agencies from the withdrawal (to be developed in collaboration with the Contract Administrator);
 - 3. A description of the probable impacts to the scope, schedule and budget of the RFC Contract (to be developed in collaboration with the Contract Administrator);
 - 4. A description of the alternatives to withdrawal that have been evaluated by the Agency;
 - 5. A proposed withdrawal work plan that will identify all necessary actions which need to be undertaken to effect the withdrawal (to be developed in collaboration with the Contract Administrator).
- C. Upon receipt of the above-described notice and information, the Joint Board will convene a special meeting to review and consider the request for withdrawal. The Joint Board will develop a report of its Findings and Recommendations

within 30 days of its special meeting, which shall be presented to the withdrawing Agency's Governing Board. This report shall include as a minimum:

1. A description of the estimated impacts on the Agencies, separately and as a whole, from the withdrawal;
 2. A description of the estimated impacts to the scope, schedule and budget of the RFC Contract, including the costs to modify the RFC System to effect such withdrawal as well as costs that will need to be re-apportioned to the remaining Agencies;
 3. A description of the alternatives to withdrawal that have been evaluated by the Agency and the Joint Board;
 4. A recommendation regarding either:
 - a. a proposed withdrawal work plan that will identify all necessary actions which need to be undertaken to effect the withdrawal; or
 - b. proposed alternatives to the withdrawal.
- D. Upon receipt of the Joint Board's Findings and Recommendations, the withdrawing Agency's governing board shall review the information contained therein and decide whether to withdraw subject to the terms and conditions set forth by the Joint Board, including an assessment of any reasonable costs (to include assessment rationale, assumptions and documentation) that shall be re-apportioned to the Agencies and/or paid by the withdrawing Agency subject to the provisions of Section H below.
- E. An Agency shall assign any RFC Project grants to the remaining Agencies upon its withdrawal from this Agreement. In addition, the withdrawing Agency shall be responsible, as required, for repayment to the FTA of any grant funds previously spent in relation to the RFC Project. The withdrawing Agency also agrees to defend and indemnify the remaining Agencies should the FTA require repayment of grant funds at a later date.
- F. In addition to being liable for its share of RFC Project costs to and including the effective date of withdrawal, the withdrawing Agency shall be solely liable for damages and additional costs to the other Agencies arising out of or resulting from such withdrawal, subject to the provisions of Section H below. The Joint Board shall determine the amount of such damages and additional costs and notify the withdrawing Agency of the amount owing to each of the Agencies. The withdrawing Agency shall pay the amount within ninety (90) days after the effective date of withdrawal.
- G. No Agency shall communicate a notice of termination to the Contractor prior to the Joint Board's and Agency governing boards' completion of the processes set forth in this Section XII. Following approval from the Joint Board, the Contract Administrator shall communicate to the Contractor such Agency's notice of termination.

- H. Washington State Ferries (WSF) must obtain specific approval for ongoing operating and maintenance expenditures from the Legislature before engagement in the actual operation of the Regional Fare Coordination Project. This approval comes through adoption of a specific line item authorization within the WSDOT-WSF portion of the State of Washington's Transportation budget. WSF will make every reasonable effort to obtain such authorization. In the event such authorization is not obtained in the 2003 legislative session, WSF may give notice of its withdrawal without following the process set forth in the other provisions of this Section XII, and WSF shall only be required to pay the costs specified below. The effective date of a withdrawal by WSF under this subsection shall be the last day of the calendar month following the calendar month in which the Agencies receive the notice of withdrawal.

If WSF is unsuccessful in receiving approval of such authorization during the 2003 legislative session and gives notice to withdraw from the RFC Project not later than 30 days after the close of the 2003 session, WSF's financial liabilities under this Section XII shall be limited to: (i) WSF's share of the RFC Project costs to and including the date of withdrawal; and (ii) assignment of any remaining RFC Project grants authorized for expenditure by WSF to the remaining Agencies upon the effective date of withdrawal. Said RFC Project costs under (i) above include: Project administration costs under the Agreement; milestone and Project Management payments owed to the Contractor, pro-rated through the effective date of withdrawal; and any additional cost required to be paid to the Contractor to implement the withdrawal.

Any such transfer of federal fund expenditure authority under this Section shall be governed by all applicable federal guidelines regarding use of such funds. If WSF withdraws from this Agreement at any time other than the time frame provided above, such withdrawal shall be governed by the other provisions of this Section XII.

XIII. GENERAL PROVISIONS

- A. This Agreement shall take effect on the date that is executed by all of the Agencies and shall remain in effect unless terminated in accordance with the provisions of Section XII.
- B. Pursuant to RCW 39.35.040, prior to its entry into force, this Agreement shall be filed with the auditors of the counties of Snohomish, Kitsap and King.
- C. The Agencies recognize that time is of the essence in the performance of the provisions of this Agreement.
- D. Pursuant to RCW 39.34.030(5), this Agreement shall not relieve any Agency of any obligation or responsibility imposed upon it by law except that to the extent

of actual and timely performance thereof by the Joint Board, the performance may be offered in satisfaction of the obligation or responsibility.

- E. Without limiting any Agency's defense and indemnification obligations under this Agreement, each Agency shall maintain in force, at all times during the term of this Agreement, a policy or policies of Commercial General Liability insurance with limits not less than \$1 million with insurance carriers authorized to do business in the state of Washington, which have a Best's rating of no less than A: VIII. If an Agency is self-insured, or is a member of a self-insurance pool, a certification of self-insurance covering the activities of the Agency in the RFC Project shall constitute compliance with this insurance requirement. Upon request of the Joint Board, each Agency shall submit documentation demonstrating its compliance with this insurance requirement.
- F. The Agencies shall comply with the nondiscrimination requirements under federal and state laws, regulations and grants applicable to the RFC Project. Nondiscrimination requirements shall include, but not be limited to, contractors, consultants and employers engaged on the RFC Project.
- G. The Agencies reserve any rights, powers, privileges, authority, liabilities, obligations and duties set forth in or provided by any previous agreement executed by an Agency related to activities, actions and decisions precedent to the RFC Project. This Agreement shall not be construed in derogation of any such rights, powers, privileges, authority, liabilities, obligations and duties.
- H. No term or provision of this Agreement shall be deemed waived and no breach excused unless such waiver or consent shall be in writing and signed by the Agency or Agencies claimed to have waived or consented. Waiver of any default of this Agreement shall not be deemed a waiver of any subsequent default. Waiver of breach of any provision of this Agreement shall not be deemed to be a waiver of any other or subsequent breach. Waiver of such default and waiver of such breach shall not be construed to be a modification of the terms of this Agreement unless stated to be such through written approval of all Agencies.
- I. No Agency shall transfer or assign a portion or all of its responsibilities under this Agreement, except with the prior authorization of the Joint Board.
- J. Each Agency shall establish and maintain accounts, records and documents as required by state law and grant provisions to ensure the proper accounting for its RFC Project expenditures. Such accounts, records and documents, including but not limited to personnel, property, financial and programmatic records, shall be maintained in accordance with generally accepted accounting principles. Accounts, records and documents related to the Capital phase of the RFC Project shall be retained for six years following "Full System Acceptance". Accounts, records and documents related to the Operating phase of the RFC Project shall be retained for six years on a rolling schedule from year one of

system revenue service operations. The Contract Administrator will advise the Joint Board on what records need to be retained by individual agencies. Such accounts, records and documents related to matters under this Agreement shall be subject to inspection, review or audit by the Joint Board.

- K. Tangible property paid for by an Agency under this Agreement shall be owned and in the care and custody of the Agency. Each Agency shall take all reasonable and necessary actions to protect such property. Each Agency shall comply with requirements of grant agencies for the proper management of such property. The Joint Board shall not be deemed to own any property. In the event an Agency terminates its participation in this Agreement or this Agreement is terminated, the Agency shall retain all property or interests in property for which it has paid its share of the costs. Disputes about ownership of property shall be presented to the Joint Board.
- L. If one or more Agencies believes another Agency has failed to comply with the terms of this Agreement, the affected Agencies shall attempt to resolve the matter informally. If the Agencies are unable to resolve the matter informally, it shall be forwarded for discussions by the highest executive of each Agency. If this process fails to resolve the matter within thirty (30) days after such referral, an Agency may then pursue any legal remedy available to it or the Agencies may agree to submit the matter to mediation. If the Agencies submit the matter to mediation and the matter is not resolved, then the aggrieved Agency shall be entitled to pursue any legal remedy available.
- M. Any Agency may propose changes to this Agreement. Except for amendments that are specifically authorized to be approved by the Joint Board as set forth in Section III.E or that do not materially affect the policies and intent of this Agreement, this Agreement may only be amended by a written amendment that is approved by the each Agency's governing board or its appropriate Agency representative.
- N. This Agreement is entered into as a joint and cooperative undertaking of the Agencies in order to facilitate implementation of the RFC Project. This Agreement shall not be deemed to confer on any third parties any rights or benefits, unless specifically set forth herein.
- O. This Agreement shall be interpreted and constructed according to and enforced under the laws of the state of Washington. The Agencies agree that the Superior Court of King County, Washington shall have exclusive jurisdiction and venue over any legal action arising under this Agreement.
- P. The Agencies agree that this Agreement is a complete expression of the terms herein and any oral or written representations or understandings not incorporated herein are excluded.

XIV. SEVERABILITY

If any of the provisions of this Agreement are held to be invalid, illegal or unenforceable by a court of competent jurisdiction, the remaining provisions shall remain in full force and effect. To that end, the provisions of this Agreement are declared to be severable.

IN WITNESS WHEREOF, authorized representatives of the Agencies have signed their names in the spaces provided below.

Central Puget Sound Regional Transit Authority

Snohomish County Public Transportation Benefit Area

name

Executive Director
Acting under Authority of Motion No.

name

Chief Executive Officer
Acting under Authority of Motion No.

Approved as to form:

Approved as to form:

name of attorney office

name of attorney office

King County

name

General Manager

Acting under Authority of Motion No.
_____.

Approved as to form:

name of attorney office

**Kitsap County Public Transportation
Benefit Area**

name

Executive Director

Acting under Authority of Motion No.
_____.

Approved as to form:

name of attorney office

**Washington State Ferries, Washington
State Department of Transportation**

Name

Director, CEO

Approved as to form:

name of attorney office

**Pierce County Public Transportation
Benefit Area**

name

Chief Executive Officer

Acting under Authority of Motion No.
_____.

Approved as to form:

name of attorney office

EXHIBIT A

PROJECT TEAM PLAN

Contract Administrator

- Primary responsibility, as directed by the Joint Board, for overall program management of the collaborative regional elements of the RFC Project, to include supervision of the Project Team and support services, the Contractor, and Joint Consultant contract administration. *Note: The individual Agency Site Managers are considered to be key participants of the Project Team, however they report solely and directly to the organization they represent.*
- Provide planning and administrative coordination with the Agency Site Managers.
- Report to and provide administrative coordination with the Joint Board. This coordination shall include, but not be limited to, monthly project scope, schedule, budget and outstanding issue/resolution updates.
- Provide support to the individual agency project-related needs and requirements. In the event these individual agency requirements are in conflict, the Contract Administrator shall present to the Joint Board for its action, an issues summary and recommended resolution.
- Develop, monitor, and recommend to the Joint Board, as required, revisions to RFC Project scope, schedule, budget, and finance plans.
- As directed by the Joint Board or within delegated authorities as set forth in this Agreement, provide primary direction (i.e. "single point of contact") to consultants and the Contractor.
- As directed by the Joint Board, identify and develop resolution strategies for policy issues such as labor, fares, customer services, budget, resource deployment, service contracts, marketing, etc.
- As directed by the Joint Board, implement, monitor and recommend revisions, as required, to the Agency Business Rules adopted to provide technical guidance to the contractor and policy guidance to the Agencies.
- As directed by the Joint Board, facilitate the development of a RFC Project rollout plan which includes, but is not limited to, the following elements:
 - Approach for conversion of current passholders to smart cards;
 - Approach for conversion of current cash riders to smart cards;

- Approach for transitioning current institutional accounts to smart cards; and
- Approach for transitioning to this Agreement from current Regional Fare Revenue Reconciliation Agreement (dealing with Puget Passes) which is not participated in by all of the parties to this Agreement.
- As directed by the Joint Board, facilitate the development of uniform agreements to be used by the Agencies during the RFC Contract including, but not limited to, the following:
 - Cardholder agreement: This agreement will set forth the contractual relationship between the cardholder and the Agencies and include provisions such as permissible uses of the card, limits on stored value, refund policy, privacy policy, etc.
 - Institutional accounts: This agreement will set forth the contractual relationship between the employer/organization and the Agency and include provisions regarding billing arrangements, card issuance, account management tools available to the employer/organization, etc.
 - Third party retailers: This agreement will set forth the contractual relationship between the third party retailer and the Agency and include provisions regarding the duties required of the third party retailer, billing arrangements, merchant of record responsibilities, etc.

IS/Technical Manager

- The Regional Technical Manager shall perform duties as delegated by the Contract Administrator, who may include, but not be limited to those noted below.
- Primary responsibility for contractor/Agency technical coordination to ensure implementation of the RFC System in accordance with the RFC Contract requirements, implementation plan and schedule, and all other deliverables. All contract requirements will be tracked using the RequisitePro program.
- Coordinate Contractor and Agency Site Manager technical activities related to design, development, implementation, test, delivery, and operation of the RFC System.
- Monitor the Contractor and Agency performance and compliance regarding technical elements; report on status and recommend revisions as required.
- Monitor RFC Project schedule, report on status, and initiate action, as necessary, to maintain schedule related to technical elements.

- Conduct regular status meetings with the Contractor and Agencies to identify and track technical issues and problems and provide a complete report to the Contract Administrator.
- Maintain database of RFC Contract technical requirements, and revise existing requirements and/or develop new requirements as needed.
- Identify and document the need for revised and/or new Agency Business Rules.
- As directed by the Contract Administrator, coordinate review and approval of technical contract deliverables.
- As directed by the Contract Administrator, coordinate change orders for appropriate approvals.
- As directed by the Contract Administrator, coordinate Contractor Requests for Information (RFI).

Budget & Contract Control Manager

- The Budget and Contract Control Manager will perform duties as delegated by the Contract Administrator, who may include, but not be limited to, those noted below.
- Primary responsibility for regional project budget, regional grant applications and all regional project financial reporting, invoice reconciliation and payments.
- Coordinate with the Fiscal Agent for tasks related to the joint administration of the regional invoice payment process and to ensure proper accounting treatment for the RFC Project.
- Coordinate with Agency Site Managers and their budget staff to ensure, as appropriate, regionally consistent cost accounting.
- Provide the Agency Site Manager's with regional project budget information as required to meet each agencies internal project reporting requirements.
- Develop and monitor one or multiple database(s) to track the RFC Vendor Contract specification and deliverable compliance and progression of work schedule adherence.
- Develop, monitor and manage a system to generate all Change Orders, monthly budget reports, budget revisions, contractor payments, and Agency invoices for contractor and all other shared or individual Agency payments.

Project Assistant

- Provide administrative support to the Project Team staff, Agency site managers and Joint Board.
- Maintain RFC Project records, files and other documentation.

Agency Site Manager(s)

Note: The individual Agency Site Managers are considered to be key participants of the Project Team, however they report solely and directly to the organization they represent.

The Agency Site Manager job description is set forth in Attachment 1. The position's key responsibilities are noted below:

- Primary responsibility to coordinate all internal Agency resources to meet all RFC Contract scope and schedule requirements or negotiate revisions as required.
- Primary Agency point of contact/authorized official to give direction to the Contract Administrator, joint consultants and/or the Contractor, as required.

Attachment 1 to Exhibit A

AGENCY SITE MANAGER JOB DESCRIPTION

Each Agency shall appoint a Site Manager or contract with another Agency to provide a Site Manager with the responsibility and authority to make decisions for that Agency that will allow the overall project to maintain scope, schedule, and budget. The Site Manager, as each Agency's Contract Administrator, will be a key participant on the Project Team and will meet regularly with the Project Team, joint consultants, and the Contractor. The Agency Site Manager reports solely and directly to the organization they represent.

Primary Responsibilities

- Serve as primary Agency point of contact/authorized official for the Contract Administrator, joint consultants, and/or the Contractor as required;
- Advise the Project Team on project status, technical options, and implications for individual Agency activity;
- Coordinate all internal Agency resources to meet all contract scope and schedule requirements or negotiate revisions as required;
- Coordinate the Agency review and approval of all technical design and functionality of the system;
- Attend regular (e.g., weekly) regional meetings to discuss project issues.

Secondary Responsibilities

- Brief all internal Agency staff about the RFC Project;
- Ensure that all internal Agency staff cooperate with the Contractor and its subcontractors in the execution of the RFC Project;
- Provide necessary interface specifications for all existing Agency systems required for the RFC System;
- Facilitate communication with contractors and suppliers of existing systems or equipment as required;
- Provide plans and drawings of Agency facilities and vehicles as required;
- Coordinate appropriate the Contractor access to required locations for the purpose of system equipment installation;
- Arrange for installation space and adequate facilities for installation crews;

- Arrange for installation space within or near the bus depot bases to house the DACS and WDOLS equipment;
- Assist in the coordination and scheduling of vehicles for installation and testing purposes;
- Facilitate interaction and information exchange in support of testing;
- Participate in the testing of interfaces to all legacy systems;
- Witness and approve tests during various phases of the project including, as applicable, factory acceptance testing, system integration testing, system commissioning testing, beta testing, and acceptance testing procedures;
- Provide access to vehicles, bases, parking lots, ferries (as applicable), and back office locations for installation and testing of the RFC System;
- Review training documentation and coordinate Agency staff attendance at training classes;
- Provide equipment and system support as indicated by the "Maintenance Services Chart" in Division II, section 6.II-10.1 of the RFP;
- Provide classroom facilities for training Agency personnel in Contractor-provided classes.

Qualifications and Experience

The Site Manager shall act as each Agency's Contract Administrator and possess the following:

- Experience developing and monitoring project budgets, work schedules, and status reports;
- Experience planning, organizing, and directing the work of project consultants, contractors, and staff;
- Experience negotiating with vendors and monitoring vendor performance;
- Experience establishing work plan details, reporting progress, and anticipating and resolving project difficulties; and
- Experience installing and testing new hardware, software, and data communication networks, as related to a project.

Time Commitment

- As Needed

EXHIBIT B

CONTRACT ADMINISTRATION PLAN

A. Purpose

1. This Contract Administration Plan is included to set forth the general contract administration activities and actions that are to be managed or taken by the Contract Administrator, Joint Board or Agencies. The Agencies intend that the authorities of the Contract Administrator and Joint Board are to be generally consistent with the usual grants of authorities for administration of contracts awarded by a public agency, notwithstanding the fact that each Agency may have specific policies and practices related to contract administration that are different from those described herein.
2. This Plan is intended to be consistent with grant requirements established by the Federal Transit Administration (FTA). If FTA grant requirements differ from provisions in this Plan, the FTA grant requirements shall prevail.
3. In general, the Joint Board has responsibility for overseeing the performance of the Project Team, Joint Consultants and the Contractor. The Contract Administrator has responsibility for the day-to-day management of the Project Team. The Contract Administrator shall be responsible for managing the administration of the RFC Contract and contracts with Joint Consultants, and shall make all decisions except those decisions identified in this Agreement that shall be made by the Joint Board or governing bodies of the Agencies consistent with the level of monetary expenditure authorized by the Joint Board. The Contract Administrator, and members of the Project Team designated by the Contract Administrator, will monitor the performance of Joint Consultants and the Contractor and maintain a contract administration system that ensures that the consultants and the Contractor perform in accordance with the terms, conditions and specifications of the contracts.
4. The Agencies acknowledge that it is essential the Contract Administrator serve as the sole communication conduit with Joint Consultants and the Contractor. Except for the limited roles of the Agency Site Managers, the Agencies and members of the Joint Board shall refrain from communicating directly with the Joint Consultants and the Contractor, unless specifically designated by the Contract Administrator. However, each Agency may communicate directly with the Contractor as necessary for specialized applications (which are the sole responsibility of the Agency).

5. The Agencies acknowledge that the RFC Project has been designated an ITS test site. The Agencies shall cooperate in meeting the ITS test site requirements and, to the extent possible, provide evaluation data including before and after effectiveness data. All costs related to meeting the ITS test site requirements shall be shared by the Agencies.

B. Definitions

1. Contract Administration is the post-award administration of the contract to ensure compliance with the terms of the contract by both the Contractor or a consultant, as applicable, and the Agencies.
2. Contract Administrator's Documentation is the documentation contained in the contract file maintained by or on behalf of the Contract Administrator. The documentation describes the actions taken by the contracting parties in accordance with the requirements of the contract and documents the decisions made in the administration of the contracts. This file shall contain a Contract Folder, which shall contain the official documentation relating to the procurement, award, execution, administration and closeout of the contract. The file shall, as a minimum, include the following materials:
 - a. Executed contract and notice of award;
 - b. Letter of credit, performance and payment bonds, or approved alternative security, bond-related documentation, and correspondence with any sureties or banks;
 - c. Contract-required insurance documentation;
 - d. Post-award (pre-performance) correspondence from or to the consultant or contractor or other governmental agencies;
 - e. Notice to proceed;
 - f. Approvals or disapprovals of contract submittals required by the contract and requests for waivers or deviations from contractual requirements;
 - g. Modifications/changes to the contracts, including the rationale for the change, change orders issued, and documentation, including price/cost analysis documentation, reflecting any time and increases to or decreases from the contract price as a result of the modifications;
 - h. Documentation regarding settlement of claims and disputes including, as appropriate, results of audit and legal reviews of the claims and approval by the proper authority of the settlement amount;

- i. Documentation regarding any stop work and suspension of work orders and termination actions (convenience as well as default); and
- j. Documentation relating to contract close out.

Any Agency may request copies of the Contract Folder or the Contract Administrator's File, particularly if required to satisfy grant requirements. If an Agency receives a public disclosure request for any of the materials in the Contract Folder, the Agency may forward the request to the Contract Administrator, who shall administer it in accordance with the policies and practices of the Agency with whom the Contract Administrator is employed.

3. Change Order includes any written change to the contract terms, conditions, specifications, scope, schedule or price, and may be either bilateral or unilateral.

C. RFC Contract

1. The Agencies agree that the Contract Administrator shall act as the sole conduit for communications to and from the Contractor relating to the administration of the RFC Contract, unless the Contract Administrator specifically authorizes otherwise. However, each Agency may communicate directly with the Contractor as necessary for specialized applications (which are the sole responsibility of the Agency).
2. For the RFC Contract, the Contract Administrator is responsible for the following functions. The Contract Administrator may delegate specific activities required to perform these functions to various members of the Project Team:
 - a. Monitor compliance with contract terms & conditions;
 - b. Coordinate communications and information with decision-making board;
 - c. Coordinate with the Agency Site Managers to review contractor milestone deliverables, per the prescribed 45-day agency review time frame. The task and time decomposition of the 45-day review period is generally understood to be as follows – described in business days: **1)** Contract Administrator receives electronic copies of contractor documents and distributes one set to each Agency Site Manager [1 – 2 days]; **2)** Agency Site Manager duplicates material, as required, and distributes internally to reviewers [3 – 4 days]; **3)** Individual staff review period [10 days]; **4)** Agency Site Manager performs internal coordination necessary to clarify

comments and/or reconcile differences of opinion and prepares one consolidated agency response which is submitted to the Contract Administrator [5 days]; **5)** Contract Administrator prepares one consolidated draft regional response and identifies issues and/or differences of opinion, which is provided to the Agency Site Managers [5 days]; **6)** Contract Administrator and Agency Site Managers meet to resolve conflicts/issues; Contract Administrator prepares one final regional response which is submitted to the Contractor [5 days].

- d. Monitor the Contractor's compliance with federal, state and local law and regulations;
- e. Monitor regional project compliance by the Contractor and Agencies with banking and financial laws, regulations & rules;
- f. Recommend to the Joint Board approval of additional card applications and revenue by Agencies;
- g. Recommend to the Joint Board approval of the Contractor's publicity materials and work-related copy by Agencies;
- h. Coordinate regional communications with Site Managers and facilities;
- i. Monitor compliance with the submission of contract documentation requirements;
- j. Coordinate audits by the Agencies or state/federal officials;
- k. Monitor compliance with federal Section 504, ADA and other federal and state civil rights requirements;
- l. Individual Agencies may acquire grant funds, which mandate compliance with specific requirements. To the extent that the grantee Agency gives the Contract Administrator written notification of any such grant requirements, the Contract Administrator will use good faith efforts to comply with such grant requirements;
- m. Review and approve training program and instructors;
- n. Conduct post-award orientation with Project Team, Agencies and the Contractor;
- o. Serve as communication conduit between Agencies and the Contractor;

- p. Respond to information and public disclosure requests from the public and mass media;
- q. Monitor progress and performance by the Contractor;
- r. Oversee compliance with inspections and testing requirements;
- s. Monitor compliance with quality assurance and control plan;
- t. Monitor compliance with program management, progress and performance monitoring plan;
- u. Identify and resolve performance deficiencies;
- v. Confirm quality and quantity of work performed;
- w. Manage Change Order/amendment process;
- x. Perform cost/price analysis of all Change Orders and amendments;
- y. Manage the invoice review, approval and payment processes;
- z. Monitor expenditures and report to Joint Board;
- aa. Administer the claims and disputes processes;
- bb. Administer the defective work, materials or services processes;
- cc. Administer warranties and guarantees;
- dd. Manage the contract closeout process;
- ee. Prepare and maintain the Contract Folder;
- ff. Comply with records retention requirements for Contract Folder.

3. The Contract Administrator shall develop or cause to be developed appropriate procedures and practices for the items listed above. The Contract Administrator may amend such procedures and practices as necessary to meet grant conditions, legal requirements, and RFC Project needs.

D. RFCS Contract Change Orders and Amendments

1. Any Agency may request a Change Order to the RFCS Contract by submitting a written request to the Contract Administrator. The request shall describe the additional work requested, the estimated cost of such additional work, and the expected benefit of such additional work. If the Contract Administrator approves the request, he or she will proceed with the negotiation and approval of the Change Order according to the procedures outlined in this subsection. If the Contract Administrator denies an Agency's Change Order request, the Agency may submit the issue to the Joint Board for resolution.
2. All costs associated with Change Orders requested by an Agency that are determined by the Joint Board to be for the sole benefit of that Agency shall be borne entirely by the Agency rather than as a shared regional cost.
3. The Contract Administrator shall notify each Agency of each Change Order and amendment the Contract Administrator approves. Each Agency delegates to the Contract Administrator its authority to negotiate and approve Change Orders and amendments, if each Change Order and amendment:
 - a. does not exceed \$50,000 in added contract cost;
 - b. does not, when combined with all other Change Orders, add more than thirty (30) days to the performance schedule of each phase of the contract; and
 - c. does not, when added to all Change Orders approved through this delegated authority, exceed a total of \$250,000 in added contract costs; and
 - d. does not create a change to the RFC system architecture.
4. The Contract Administrator may request that the Joint Board authorize from available contingency funds an additional amount for Change Orders if the cumulative total in paragraph 3.c above is reached. The Joint Board may authorize additional amounts at levels it deems appropriate provided the RFC Project Budget is not exceeded.
5. Prior to signing a Change Order or amendment that exceeds the above limitations, the Contract Administrator shall obtain the approval from the Joint Board.

E. RFCS Contract Claims

During the RFCS Contract, the Contractor may file a Contract Claim to request additional time and/or money. The Contract Administrator shall notify each Agency of each Change Order and/or amendment the Contract Administrator approves or rejects as a result of a Contract Claim filed by the Contractor. Each Agency delegates to the Contract Administrator its authority to negotiate and approve Contract Claims subject to the same limitations as regarding Change Orders set forth in paragraph D above.

F. Joint Consultant Contracts

1. The Agencies agree that the Contract Administrator shall act as the single conduit for communications to and from consultants relating to the administration of Joint Consultant contracts, except as specifically authorized otherwise by the Contract Administrator. However, each Agency may communicate directly with Joint Consultants as necessary to enable the consultants to perform work tasks.
2. Each Agency's Site Manager shall be responsible for coordinating communications with the Joint Consultants. An Agency's Site Manager shall:
 - a. Coordinate with the Contract Administrator on a regular basis to avoid conflicts and interface disconnects;
 - b. Provide information to consultants as requested for each task deliverable;
 - c. Identify Agency staff for consultants to interview and provide existing documents to consultants;
 - d. Collect information and provide it to consultants based on templates as provided by consultants; and
 - e. Create a record and provide a copy to the Contract Administrator of the review and comments submitted by an Agency to consultants

G. Joint Consultants Contract Change Orders and Amendments

1. The Contract Administrator shall notify each Agency of any Change Orders and amendments the Contract Administrator approves. Each Agency delegates to the Contract Administrator its authority to negotiate and approve Change Orders and amendments, if each Change Order and amendment:

- a. does not exceed \$10,000 in added contract cost;
 - b. does not, when combined with all other Change Orders and amendments, add more than thirty (30) days to the performance schedule of each phase of the contract; and
 - c. does not, when added to all Change Orders and amendments approved through this delegated authority, exceed a total of \$100,000 in added contract costs.
2. The Contract Administrator may request that the Joint Board authorize from available contingency funds an additional amount for Change Orders if the cumulative total in paragraph 1.c above is reached. The Joint Board may authorize additional amounts at levels it deems appropriate provided the RFC Project Budget is not exceeded.
 3. Prior to signing a Change Order or amendment that exceeds the above limitations, the Contract Administrator shall obtain the approval from the Joint Board.

H. Deliverables Under Joint Consultant Contracts

Each Agency shall review proposed contract deliverables under Joint Consultant contracts and provide the Contract Administrator with a written approval or objection. Approval of deliverables shall not be unreasonably withheld by an Agency. If the Contract Administrator has not received an Agency's signed, written objection to a deliverable within five (5) days after the Agency has received a copy of the deliverable, the Agency shall be deemed to have accepted the deliverable as submitted. If one or more Agencies raises an objection in writing that a deliverable is not satisfactory, the Contract Administrator shall forward the objection to the consultant for resolution. If an objection is not resolved and the Agencies are in disagreement as to whether a deliverable is satisfactory, the Joint Board shall meet within seven (7) days after the consultant indicates it is unable to resolve the objection. The Joint Board shall make a unanimous final determination about whether to accept the deliverable. Upon acceptance of a deliverable, the Contract Administrator shall notify the consultant in writing of the acceptance. The consultant may then submit an invoice pursuant to the payment provisions of the consultant contract.

I. Claims Against Joint Consultants

In the event one or more of the Agencies intends to file a claim against a Joint Consultant during the term of the contract or at any point after the contract has expired or otherwise terminated, such Agency shall notify the other Agencies at least thirty (30) days in advance of filing the claim and comply with the provisions in Section V.I-K of the Agreement to which this exhibit is attached.

J. Use of Contingency Amounts

The RFC Project Budget shall include a Contingency Amount that can be used to pay the costs of approved Change Orders and amendments to the RFC Contract and Joint Consultant contracts. This Contingency Amount shall be allocated among the Agencies as project costs. Upon presentment of a Change Order, the Contract Administrator shall calculate contingency amounts due from each Agency and direct the Fiscal Agent to bill the Agencies accordingly. The Contract Administrator shall track the contingency activity and make periodic reports to the Joint Board. The Joint Board may not approve Change Orders or amendments that will or may exceed the contingency amounts provided by the Agencies. If additional contingency amounts are needed, the Joint Board shall make an appropriate request therefor to the Agencies.

EXHIBIT C "Finance Plan"

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I. Executive Summary

Finance Plan Purpose: The primary purpose of the Finance Plan, Exhibit C to the Interlocal Agreement, is to summarize the expenses, revenues, cost-sharing assumptions and administrative processes relative to Phase IV "System Design and Implementation" for the Regional Fare Coordination (RFC) Project. In order to implement this project, there will be both regionally shared and individual agency costs.

The Phase V "System Operations" estimated cost assumptions are included, at a summary level, for planning purposes. The Phase V details will be updated by the Joint Board during the project's three year design and implementation phase. Phase V of the vendor contract is a 10-year term, currently anticipated to run from 2006 through 2015.

Finance Plan Duration: The Finance Plan is intended to provide detail for the anticipated 39-month system design and implementation period, i.e. from 2003 through 2006.

Types of Costs: The Finance Plan provides detailed information on the components of the RFC Project Budget. Agencies will also incur additional internal costs necessary to support site-specific system design and installation. For purposes of providing a comprehensive budget picture, these additional internal estimated costs are identified and summarized in this Exhibit. The types of costs described in the Finance Plan are:

- a. **The RFC Project Budget:** The RFC Project Budget includes two cost categories, 1) the Vendor Contract, and 2) all items identified as "Other Project Administrative Costs". These costs are subject to the regional cost sharing formula. The Joint Board must approve changes to the RFC Project Budget, subject to the capital amounts appropriated as set forth in this Exhibit and future appropriations for operations and maintenance.
- b. **Individual Agency Internal Implementation Costs:** These costs vary among the agencies, contingent upon their internal business needs and approach to the system implementation process. The costs are largely for agency staff labor and may be covered by standard operating budgets, or, providing such costs meet the applicable criteria, they may be charged to the agency's share of regional grant funds or other grant funds it has dedicated to the RFC Project. The funding and administration of these internal project implementation budgets are entirely at the discretion of the individual agency.

RFC Project Budget Summary of Expense and Grant Revenues Per Agency: The following table provides a summary of each agency's share of the RFC Project Budget expense and its share of regional grants. Each agency signing the Interlocal Agreement commits to pay an amount up to that specified for it under the "Total RFC Project Budget Estimated Expense" column of the "RFC Project Budget Estimated Expense and Grant Revenues" table directly below. An Agency's actual payment may be less than the amount committed, but shall not exceed the amount below absent an amendment to this Agreement. This obligation will be covered by a combination of grant and local revenues. Details on these costs and grant revenues are found in Sections II, III, and V.

RFC Project Budget Estimated Expense and Grant Revenues			
Agency	Capital Share of Regional Costs	Total RFC Project Budget (Vendor + Other Admin.) Estimated Expense	Total Estimated Share of Grant Revenues
King County Metro	56.77%	\$ 23,241,780	\$ 10,718,881
Community Transit	11.90%	\$ 4,995,119	\$ 2,668,299
Sound Transit	10.96%	\$ 4,461,983	\$ 1,592,084
Kitsap Transit	6.05%	\$ 2,524,460	\$ 878,842
Washington State Ferries	5.42%	\$ 2,262,157	\$ 1,787,326
Pierce Transit	8.90%	\$ 3,656,243	\$ 2,442,842
Everett Transit *			\$ 100,000
Total **	100%	\$ 41,141,742	\$ 20,188,274

* Everett Transit's grant funds to be redistributed to participating agencies.
 ** Slight variations due to rounding

Total Project Implementation Estimated Costs: The following table provides a summary of each agency's total estimated project costs which includes its share of RFC Project Budget and its individual internal implementation estimates. *Note: Sound Transit has proposed, pending its Board approval, to fund some capital and operating costs for Community Transit and Pierce Transit (for the regional express service which PT operates on contract for ST), which may include some internal implementation expenses. Contingent upon the final disposition of that agreement, the costs shown below for CT and ST may be revised.*

Total Estimated RFC Project Budget & Internal Agency Implementation Expense			
Agency	Total RFC Project Budget (Vendor + Other Admin.) Estimated Share of Regional Expense	+ Individual Agency Estimated Internal Expense to Implement	= Total Estimated Implementation Expense
King County Metro	\$ 23,241,780	\$ 2,446,384	\$ 25,688,164
Community Transit	\$ 4,995,119	\$ 932,640	\$ 5,927,759
Sound Transit	\$ 4,461,983	\$ 593,543	\$ 5,055,526
Kitsap Transit	\$ 2,524,460	\$ 732,375	\$ 3,256,835
Washington State Ferries	\$ 2,262,157	\$ 727,682	\$ 2,989,839
Pierce Transit	\$ 3,656,243	\$ 824,000	\$ 4,480,243
Total	\$ 41,141,742	\$ 6,256,624	\$ 47,398,366

Finance Plan Attachments: The document portion of the Finance Plan provides information on a regional summary level. Please see the “Attachments”, as noted in each section, for individual agency worksheets. The Attachments are found in the PDF file “Attachments”.

II. Regionally Shared Costs: Capital (Phase IV) Cost-sharing Formula

The Capital Phase cost-sharing formula is also applied to regional grant distribution. The formula for distributing RFC Project Budget shared costs and regional grant revenues is determined by the total value of each agency's vendor contract equipment purchases and the vendor equipment installation costs. These costs, and therefore the cost distribution formula, represent each agency's relative system investment. See Sections III and V for detail on the costs to which this formula is applied and the grants subject to this distribution formula.

Attachment 1: The individual agency Vendor Contract costs, which provides the detail on equipment and installation purchases, is found in Attachment 1.

Per the formula described above, the five-agency Capital cost-sharing and regional grant distribution is as follows:

Agency	Share of Regional Costs & Grant Revenues
King County Metro	56.77%
Community Transit	11.90%
Sound Transit	10.96%
Kitsap Transit	6.05%
Washington State Ferries	5.42%
Pierce Transit	8.90%
	100.00%

III. RFC Project Budget (Phase IV) – Estimated Cost Detail

The RFC Project Budget is comprised of two cost categories. These are the Vendor Contract and the “Other Project Administration Costs”. This section details the individual cost items of those two categories and provides the regional total costs, identifies if the cost item is subject to the regional cost-sharing formula and, where appropriate for the administrative costs, provides the cost estimation assumption. The individual agency costs shown in the table below are solely the responsibility of that agency.

a. Vendor Contract: The following table details the Vendor Contract. The Vendor Contract payment terms are “fixed price”.

Attachment 1: The individual agency Vendor Contract costs are found in Attachment 1.

Vendor Contract – Cost Components and Total Value			
Cost Item Regional Quantity shown in ()	Regional Total Cost Unless Identified Otherwise	Cost Distribution	
		Regionally Shared Cost per Formula	Individual Agency Cost
Equipment :			
<i>Fare Transaction Processors (2335)</i>	\$ 1,937,356		X
<i>Driver Display Units (2163)</i>	\$ 2,734,032		X
<i>Wireless Data Base System (18)</i>	\$ 63,972		X
<i>Wireless Data Bus System (2163)</i>	\$ 1,299,963		X
<i>Data Acquisition Computer (22)</i>	\$ 290,312		X
<i>Back Office Computer (6)</i>	\$ 352,530		X
<i>Sound Transit TVM upgrade kits (34)</i>	\$ 80,750	X	
<i>Customer Service Terminals (32)</i>	\$ 271,584		X
<i>Photo Identification Units (10)</i>	\$ 182,270		X
Equipment Installation	\$ 319,594		X
Fare Cards	\$ 753,770	X	
Integration:			
<i>KCM POS w/ CST</i>	\$ 19,573		X
<i>KCM Laptop CST application</i>	TBD		X
<i>KCM Radio Control Unit Integration</i>	\$ 86,500		X
<i>CT DDU w/multiple on-board functions</i>	\$ 86,783		X
<i>CARM inventory software</i>	\$ 72,319	X	
<i>Back Office Integration</i>	\$ 246,668	X	
Reports	\$ 563,812	X	
Implementation –Phase 1 <i>Thru Revenue Service Beta Test</i>	\$ 11,197,971	X	
Implementation - Phase 2 <i>Thru Full System Acceptance</i>	\$ 1,496,969	X	
Project Management	\$ 7,511,872	X	
Training	\$ 683,375	X	
Total Vendor Contract Cost	\$ 30,251,975		

b. Other Project Administration Costs: The following table details the “Other Project Administration Costs”. The payment terms for these costs are handled as follows: 1) consultant contracts are fixed price per task with all costs verified, and 2) all other costs are on an expense reimbursement term. Cost estimate assumptions have been reviewed and approved by the Joint Board. All of these costs are shared per the regional cost-sharing formula.

Attachment 2: The individual agency estimated shares of “Other Regional Project Administration Costs” are found in Attachment 2.

Other RFC Project Administration Costs		
Cost Item	Key Assumptions	Est. Reg. Cost
Project Management Team	<ul style="list-style-type: none"> 4 FTE employed by King County Positions: Contract Administrator, Technical Manager, Budget & Contract Control Manager, and Project Assistant 	\$ 1,029,000
Regional Payment Funds Management	<ul style="list-style-type: none"> The Fiscal Agent is to perform this function. The task is to provide a central account into which individual agency payments can be made and a single payment check issued on behalf of the region. 	TBD
Regional Technical Consultant	<ul style="list-style-type: none"> Scope of Work is to provide expert support to agency staff and the Joint Board in the design review process and deliverable acceptance 	\$ 525,000
Sales Tax	<ul style="list-style-type: none"> 100% of the vendor contract is taxable, however there may be exemption for the custom software developed 8.8% tax rate. In actual practice, each agency will pay the applicable tax rate for items delivered to their sites 	\$ 2,662,174
Contingency Fund	<ul style="list-style-type: none"> 20% of the vendor contract value Joint Board review is required for all change orders 	\$ 6,050,395
Dispute Resolution Board	<ul style="list-style-type: none"> Three experts selected jointly by the agencies and vendor Costs shared 50/50 with the vendor DRB to have scheduled briefings and be “on call” to mediate vendor/agency deliverable acceptance/payment disputes 	\$ 122,100
Intellectual Property Software Escrow Account Fees	<ul style="list-style-type: none"> All system source code will be escrowed A contract will be secured with a firm specializing in system software escrow management The most rigorous level of verification and updates will be utilized 	\$ 99,000
Project Evaluation	<ul style="list-style-type: none"> Consultant contract Scope of Work TBD in collaboration with FTA to support its ITS Evaluation work program 	\$ 75,000
Project Marketing	<ul style="list-style-type: none"> Cost of collateral (brochures, radio ads, bus ads, etc.) for the Beta Test and Full System Rollout Plan to be developed by the agency marketing staff 	\$ 300,000
Sound Transit Consultant Fee to Oversee TVM Upgrade	<ul style="list-style-type: none"> TBD 	\$ 27,100
Total		\$ 10,889,769

IV. Payment Schedules

This section describes the assumptions for the RFC Project Budget payment schedules for the Vendor Contract and Other Administration Costs.

Attachment 3: A detailed 39-month schedule with individual agency cash flow assumptions for both the Vendor Contract and Other Project Administration Costs is found in Attachment 3.

a. Vendor Contract: Key payment assumptions for the Vendor Contract are as follows:

- The Vendor Contract is fixed price.
- Relative to payment points, the Contract provides for:
 - **Project Management:** Monthly Project management payments, providing the total value of payments made does not exceed the predetermined payment caps. In the event payment exceeds a cap; the payment will be withheld until such time as it can be released per Contract terms.
 - **Payment Caps:** Two payment caps are in place, i.e. the total payments made cannot exceed: 1) 50% of the total contract value at the Beta Test Acceptance Milestone, and 2) 60% of the total contract value prior to Full System Acceptance at the point where all King County Metro equipment is installed and satisfactorily tested.
 - **Milestone Payments:** Six milestone payments are defined which provide for the successful completion of numerous deliverables. These milestones are:
 1. Schedule Acceptance
 2. Design Acceptance
 3. Beta Test Readiness
 4. Beta Test Acceptance
 5. Equipment Installation Completed & Tested for King County
 6. Full System Acceptance

b. Other RFC Project Administrative Costs: The following table describes the anticipated payment assumptions for these costs.

Attachment 3: A detailed 39-month schedule with individual agency cash flow assumptions can be found in Attachment 3.

Cost Item	Key Payment Assumptions
Project Management Team	<ul style="list-style-type: none"> • Paid quarterly direct to King County per actual costs incurred
Regional Payment Funds Management	<ul style="list-style-type: none"> • TBD by Sound Transit (a.k.a. "the Fiscal Agent")
Regional Technical Consultant	<ul style="list-style-type: none"> • Paid monthly or as invoiced by the consultant. TBD if the Fiscal Agent central payments account will be used to streamline the process • Contract terms are fixed price, not to exceed limits per task
Sales Tax	<ul style="list-style-type: none"> • Each agency will pay, as applicable costs are incurred, per Vendor Contract payment milestone invoices.
Contingency Fund	<ul style="list-style-type: none"> • Each agency commits to fund its share of the overall project contingency fund budget and to have those funds available when required per authorized Project Budget changes. • Fund to be accessed only for approved change orders • Every effort will be made to negotiate change order payment terms that are consistent with the established six Contract Payment Milestones.
Dispute Resolution Board (DRB)	<ul style="list-style-type: none"> • The DRB is convened, at a regular schedule determined by the Joint Board, for Project updates. These costs will be billed to include an hourly fee and travel expense. • The DRB will also be convened on an as needed basis to mediate disputes. These costs will be billed as incurred.
Intellectual Property Software Escrow Account Fees	<ul style="list-style-type: none"> • The most rigorous level of software verification and updates will be utilized • Payment terms will be per the account provider contract (not yet awarded). It is anticipated this will be a quarterly fee, based on the services provided, to commence with the Design Acceptance Milestone. • TBD if the Fiscal Agent central payments account will be used to streamline the process
Project Evaluation Consultant	<ul style="list-style-type: none"> • Payment terms will be per the consultant contract (not yet awarded). Most likely to be fixed price, not exceed limits per task, paid monthly, or as invoiced by the consultant. • TBD if the Fiscal Agent central payments account will be used to streamline the process
Project Marketing	<ul style="list-style-type: none"> • The Marketing Plan, which will detail the services and/or materials to be subject to regional billing, is yet to be developed by the agency marketing staff • Marketing activity is anticipated Pre-Beta Test and at revenue service roll-out • Payment terms will be per the provider contract
Sound Transit Consultant Fee to Oversee TVM Upgrade	<ul style="list-style-type: none"> • Payment term TBD by Sound Transit

V. Project Revenue: Regional Grants, Donation and Appropriation

This section summarizes the grant and other regional revenues awarded to the project, the revenue distribution formula and a sample Federal grant match strategy. The Project has received 12 Federal Grants, a donation from The Boeing Company (via the City of Everett Traffic Mitigation Fund) and an appropriation from the Sound Transit Technology Fund. A summary of these grants and their match requirement is shown in the table below.

Attachment 4: A detailed description of the grant revenue shown below and the individual agency shares can be found in Attachment 4.

Regional Project Revenue Summary			
Grant/Source	Match % Requirement	Total Award	Total Match Requirement
Federal Section 5307 <i>7 Individual Grants</i>	20%	\$ 9,575,958	\$2,393,990
CMAQ <i>3 Individual Grants</i>	13.5%	\$ 2,686,000	\$ 419,202
ITS Earmarks 5288 <i>2 Individual Grants</i>	50%	\$ 4,426,316	\$4,426,316
Boeing Donation	N/A	\$ 500,000	0
ST Technology Fund	N/A	\$ 3,000,000	0
Total		\$20,188,274	\$7,239,508

Regional Grant Distribution Formula: Regional grant revenues are distributed to the agencies per the same formula used to determine the regionally shared cost distribution. The table below shows the distribution percentages.

Agency	Share of Regional Costs & Grant Revenues
King County Metro	56.77%
Community Transit	11.90%
Sound Transit	10.96%
Kitsap Transit	6.05%
Washington State Ferries	5.42%
Pierce Transit	8.90%
	100.00%

Individual Agency Grants: Agencies may supplement their share of regional grant revenues with grants that they have secured individually for purposes of implementing this project.

Grant Distribution Strategy: The following describes the anticipated strategy for accessing regional revenues.

- **Federal Grants:** All federal grants will be distributed to the individual agencies at the time of contract award. It is the individual agency responsibility to complete the appropriate Federal processes to encumber these funds. At the point of contract award, each agency assumes the full grant management responsibility for its funds.
- **Boeing Donation:** The details of the Boeing funds distribution funds are yet to be finalized. Per the original agreement with the City of Everett, the funds were to be paid on achievement of the Beta Test Acceptance and Full System Acceptance Milestones. However, The Boeing Company has recently indicated that it prefers to make the donation to the agencies at the point of contract award.
- **Sound Transit Technology Fund Appropriation:** Sound Transit has indicated that it prefers to provide its appropriation at the point of invoice payment. As described in Section VI "Regional Payment Administrative Procedures", the Fiscal Agent will provide the regional account into which individual agency payments are made, so that the regional partners can issue a single check for vendor or other invoice payment. In order to access its Sound Transit funds, an agency would advise Sound Transit that it will make a payment to the regional account "short" the amount due. The balance of the payment is to be drawn by the Fiscal Agent from the agency share of the Technology Fund appropriation.

Federal Grant Match Strategy: For budget planning purposes, the agencies have adopted a grant match strategy which utilizes maximum allowable "grant to grant" match potential, i.e. the use of federal grants to match other grants, prior to utilizing other regional revenues or local funds. However, in actual practice, each agency may use whatever match funding strategy it desires to meet its Federal match and Regional Project payment obligations.

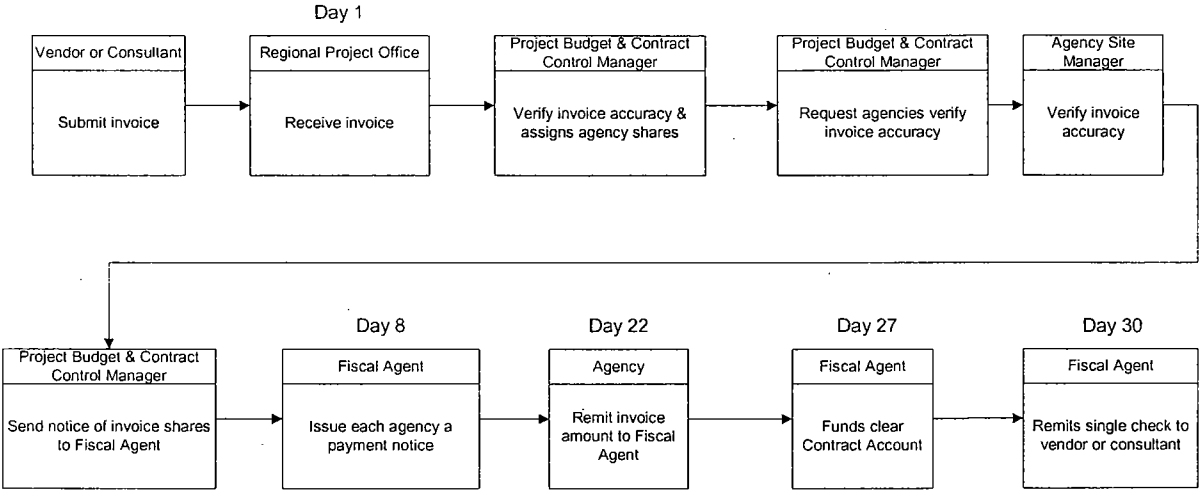
VI. Regional Invoice Payment Procedures

The administrative process for the payment of most regionally shared invoices will be jointly administered by the Project Team and the Fiscal Agent. The primary staff involved is the Budget and Contract Control Manager and the Fiscal Agent personnel. This joint administration is necessary because of the complexities of paying a single invoice, when the revenue to make that payment is generated from contributions of multiple agencies.

The Fiscal Agent Central Payments Account: Central to this process, is a single regional account that will be established and managed by the Fiscal Agent. Agencies will pay into this account their share of regional invoices and the Fiscal Agent will issue a single check payment on behalf of the region. The Vendor Contract provides for 30-day invoice payment terms. The payment process is described in the bullets and graphic below:

- An invoice is submitted to the Project Team Office
- The Budget and Contract Control Manager (BCCM) verifies the invoice accuracy and assigns agency shares, or full costs, if attributable to a single agency.
- The BCCM forwards the draft invoice to the individual Agency Site Manager to request invoice confirmation and/or corrections.
- Per the agency-verified invoice, the BCCM forwards to the Fiscal Agent the invoice detail per each agency share.
- The Fiscal Agent issues each agency a payment notice
- Each agency remits its payment share to the Fiscal Agent. The payment amount is deposited into the central payments account.
- The Fiscal Agent remits single check payment to the vendor or other invoicing party

Payment Administrative Procedures



VII. Individual Agency Internal Costs to Implement the System

Each agency will incur costs, in addition to the shared costs addressed in the RFC Project Budget, which are necessary to ensure internal agency coordination with the regional process and efficient system implementation. These internal costs will vary among the agencies and are contingent upon the complexity of its system implementation, business needs and integration strategies. The primary source of these costs is agency staff labor to support the system design review, contract deliverable acceptance, marketing and customer information and equipment installation process. In order to provide a comprehensive estimate of the project implementation costs, the agencies have adopted consistent cost generation categories and completed a cost estimation exercise.

Attachment 5: Individual agency detail on these internal agency costs can be found in Attachment 5.

A summary list of the regionally consistent categories established for planning purposes is shown below.

- Site Manager, i.e. the individual agency Project Manager and central point of contact
- Technical staff labor to review business processes and contract deliverables
- Technical staff labor to develop system interfaces – this category is necessary only for those agencies with custom interface requirements
- Finance staff labor to review business processes and contract deliverables
- Customer Service staff labor to review business processes and contract deliverables
- Legal Counsel, as needed
- Staff training to operate all aspects of the system
- Labor and materials for site preparation for facilities requiring new equipment installation
- Labor for equipment installation
- Marketing staff labor to develop public information and customer “card conversion” plans
- Purchase of a Driver Display Unit “tool kit” – this category is necessary only for those agencies who may wish to develop new custom applications for the Driver Display Unit
- Travel expense for staff to provide oversight during equipment testing and/or to inspect the system operations center
- Communication network fees

VIII. Regionally Shared Operating Cost Estimates: Operating (Phase V)

This section provides general information on the system operating services currently anticipated for 2006 through 2014. The Joint Board, as part of its work program, will develop the Phase V System Administration Plan. This plan will include at a minimum the regional staff necessary to support system operations oversight and other business details.

Regional Cost-sharing Formula: The regional cost-sharing formula for the operating phase of the project has been determined, for planning purposes, by each agency's share of regional ridership projected for the year 2005. This formula will be updated per National Transit Data Base reports prior to commencing full system operations. WSF may adjust ridership projections to include both vehicles and passengers (currently, only passengers are included in its estimates). The updated formula will be applied to, at a minimum, the first year of system operations. At such point as the Joint Board determines the system is operating at "steady state", the cost-sharing formula will be determined by each agencies actual share of smart card transactions processed by the system. The Joint Board will determine the annual schedule by which the cost-sharing formula for the next year will be reviewed and adopted.

Per the preliminary 2005 projected ridership formula described above, the five-agency Operating cost-sharing formula is as follows:

Agency	Share of Regional Costs
King County Metro	71.7%
Sound Transit	7.7%
Community Transit	6.0%
Washington State Ferries	2.8%
Kitsap Transit	2.7%
Pierce Transit	9.2%
	100%

Regional Operating Services: The regionally consistent system operation services will be provided by the vendor contract and King County Metro. See Exhibit E for a detailed description of the King County operating services.

Vendor Contract Regional System Operating Services	
1.	Equipment and Software Maintenance
2.	Customer Service
3.	Institutional Program Support
4.	Fare Card Management
5.	Card Procurement (from Manufacturer) and Distribution (to King County)
6.	Clearinghouse Services
7.	Financial Management
8.	Network Management
9.	Third Party Revalue Network Technical Support
King County Metro Regional System Operating Services	
1.	Card Procurement (centralized order processing to the vendor)
2.	Local Card Warehousing and Distribution (to the agencies and accounts)
3.	New Card Order Fulfillment
4.	(TBD) Institutional Account Administrative Support

Operating Costs: The following table provides the estimated 10-year total annual operating costs for both the Vendor Contract and King County Metro regional services. The primary factors which determine the operating cost estimates are ridership and the rate at which customers transition from physical cash fare payment to pre-payment via the smart card electronic cash or pass.

Attachment 6: Individual agency 10-year operating fixed and variable cost estimates, per each service, can be found in Attachment 6.

Preliminary Estimated Operating Cost Summary		
Agency	% Share	10-year Operating Cost Estimate Total
King County	71.7%	\$ 23,042,362
Sound Transit	7.7%	\$ 2,712,855
Community Transit	6.0%	\$ 2,029,488
Washington Ferries	2.8%	\$ 950,086
Kitsap Transit	2.7%	\$ 942,006
Pierce Transit	9.2%	\$ 3,008,606
Total *	100%	\$ 32,685,403
<i>* Slight variations due to rounding</i>		

IX. Attachment Summary

The following Attachments can be found in the PDF File "Exhibit C Attachments". Please note that all Attachment pages are legal size. From the Acrobat Reader menu bar, you can check the paper size by selecting 1) file, and then 2) page setup.

<u>Attachment No.</u>	<u>Description</u>
1	Vendor Contract Costs
2	Other Regional Project Administration Costs
3	Estimated Payment Cash Flow Assumptions for Vendor Contract and Other RFC Project Administration Costs
4	Grant Revenue Summary and Individual Agency Shares
5	Individual Agency Internal Implementation Cost Estimates
6	Estimated Agency Operating Costs

EXHIBIT D

FARE COLLECTION AND CUSTOMER SERVICE PRACTICES

The Agencies acknowledge the need for adoption of certain regional practices that in part will govern the design and operation of the RFC System. The Agencies agree to implement and maintain in effect the following fare collection and customer service practices unless amended by the Joint Board:

1. The Agencies shall accept smart cards as the primary media for pre-payment of fares on the regular transportation service they provide.
2. Each Agency shall continue to set its own fare policies. Current fare policies include flat fares, zone fares and route/quality of service fares.
3. Each Agency agrees to honor on its system and accept its share of revenue reduction resulting from regional ridership incentives approved by the Board, e.g. the stored value "bonus trip" to encourage increased trip frequency, or the stored value "bonus value" to encourage increased amounts of pre-paid fares loaded onto the card.
4. Each Agency shall issue RFC System smart cards, and value thereon, on behalf of all the Agencies, in accordance with a uniform cardholder agreement approved by the Joint Board. Said agreement shall include, but not be limited to, the following terms:
 - a. Following the initial conversion period, cards will be issued to customers who pay a nonrefundable card fee. This card fee will include the cost of the card plus a handling charge to cover the regional and Agency-specific administrative costs associated with card distribution.
 - b. For lost, stolen or damaged cards, the Agencies shall charge a replacement fee for cards equal to the cost of the card and a handling charge to cover the regional and Agency-specific administrative costs associated with card distribution.
 - c. Cards issued through the central fulfillment center, at Agency customer service offices or WSF terminals may be linked or anonymous.
 - d. Anonymous cards will not require personal information to be provided by the cardholder.
 - e. Linked cards will require personal information or a personal identification password to be provided by the cardholder.
 - f. The Agencies will neither replace free of charge nor refund the value on anonymous cards.
 - g. Replacement or refund of a linked card must meet the terms of the cardholder agreement and will require the cardholder to provide personal information or their personal identification password.

- h. Linked fare cards that are lost or stolen, and linked or anonymous cards that malfunction or are damaged shall be replaced at Customer Service Offices while the customer waits.
 - i. Linked fare cards that are reported lost or stolen by telephone, mail, Internet or other remote means shall be replaced by a Customer Service Office or the central fulfillment center.
 - j. Malfunctioning or damaged cards (linked or anonymous) that are turned in by mail shall be replaced by mail. No card replacement fee is required for a malfunctioning (defective) card.
 - k. Institutional account cards reported lost, stolen, malfunctioning or damaged by the institution, shall be replaced and provided either by the central fulfillment center to the institution for distribution to the cardholder.
 - l. All linked fare cards that are reported lost or stolen shall be blocked from further use in the RFC System.
 - m. When a cardholder reports to an agency that his/her linked fare card is lost or stolen, Agencies shall honor the value remaining on the card by transferring this value to a new card.
 - n. Refunds of the fare card balance shall be provided for stored value on linked cards
 - o. Customers requesting stored value refunds will surrender their cards at the time of the refund.
 - p. The maximum amount of stored value that may be loaded onto a card by a customer is \$300.
 - q. The minimum amount of stored value that may be loaded onto a card by a customer is \$5.
 - r. The maximum number of autoloads onto an individual customer's card is 4 per calendar month.
 - s. A request to set up the autoload function for a card requires a customer signature on a formal written contract/agreement.
 - t. Agencies may charge a one-time "set up" fee for establishing autoload for a customer (e.g., \$5).
 - u. Autoload customers may request 3 account changes (new account, new credit card, revised "load" instructions, etc.) at no charge. After that point, the agencies reserve the right to charge an administrative fee to make additional changes.
 - v. Agencies require 10 days written notice from the customer to make an account change or to terminate the autoload function. Written notice may be in the form of e-mail, web-site, or standard mail.
 - w. Cardholder information provided shall not be disclosed by the Agencies except as otherwise required by law.
 - x. Agencies will not re-issue a smart card once a customer has used it.
5. Each Agency, or its Agent, agrees to issue cards and card value, process refund requests, and handle customer inquiries at all agency customer service locations and via telephone. Each Agency, or its agent, shall maintain an adequate inventory of cards to meet customer demand.

6. Except as otherwise specified in the Agreement to which this Exhibit is attached, each Agency shall be the merchant of record for its own cash, check, and credit card transactions and shall bear the risk of fraud for such transactions.
7. The Agencies shall share the risk of bad debt according to a formula approved by the Joint Board.
8. Each Agency shall allocate RFC System-related revenues and liabilities on an agreed upon schedule, and shall bear financial responsibility and liability during the capital and operating phases of the RFC Contract according to formulas approved by the Joint Board.
9. Each Agency shall allow the Contractor to direct fund transfers between their bank account and other Agencies' bank accounts.
10. The Agencies agree that, absent prior approval from the Joint Board allowing otherwise, a bus operator, WSF representative, ST fare inspector, or customer service representative shall be able to reverse a stored value fare transaction payment from a fare card, and restore the transaction amount to the fare card.
11. The Agencies shall comply with the procedures adopted by the Joint Board in order to receive revenue from the Claim Account.
12. Each Agency shall use a uniform agreement for Retail Accounts that has been approved by the Joint Board. If an Agency pays a commission to a Retail Account said commission shall be paid separately and shall not reduce the revenue collected by the retailer and distributed to the Agencies.
13. Requests for Public Information shall be satisfied by the Agencies according to uniform procedures adopted by the Joint Board and in accordance with state law, including any applicable exemptions.
14. The Joint Board shall approve the design of the exterior surfaces of the fare card. The Joint Board must approve any commercial use of unused exterior surfaces on the fare card, and such approval shall be subject to consideration of the impacts that such proposed uses may have on the functionality of the fare card and the value added proposition for the Agencies.

EXHIBIT E

KING COUNTY CENTRALIZED SERVICES DESCRIPTION

I. New Card Order Fulfillment

A. Relationship to the RFC Contract

1. None - at this point, the Contractor will not be providing fulfillment services.

B. Scope of Work

1. Provide a single point of new card order fulfillment for all types of sales, except Over-the-Counter.

- a) Receive card orders from RFCS web-site, phone, mail or any agency establishing and/or maintaining an Institutional (subsidy) Account.

- b) Provide Institutional Account system set-up and card issuance.

- c) Provide individual customer account system set-up and card issuance.

- d) Issue each card per the customer's instruction. During the process of "issuance", the card is unblocked, linked to the customer (if requested), assigned to an institution (if for an Institutional Account) and loaded with value.

- e) Either send card(s) to customer using first class mail, priority mail, or arrange for delivery (e.g. very large Institutional Accounts).

2. Receive inventory from and provide monthly inventory reports to Card Procurement staff

3. Produce periodic activity/productivity reports for the Project Board and budget purposes.

4. Act as merchant of record for debit card and credit card sales via Internet, phone or mail.

C. Cost Assumptions

1. Each agency maintains its own inventory to provide Over-The-Counter services on-site at its Customer Service Office.

2. Actual costs will depend greatly upon initial card distribution strategy (to be determined), institutional account demographics, and other variables.

3. Estimates for 2005 assume incentives are established to encourage unaffiliated customers to obtain their cards via telephone, mail or Internet.
4. Estimates for 2005 assume aggressive marketing campaign to smaller institutional programs.
5. Estimates for 2005 assume that EDPasses are distributed to a single location rather than to individuals.
6. Cost estimates are based upon ridership and cash conversion assumptions (including RRF) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. These data were used to insure that estimates are consistent with other pricing estimates for the project. Actual costs will be used once known.
7. Estimates include costs for marketing materials (information packets, etc.) These costs are based on the preliminary concepts developed by KCM marketing staff, actual costs may differ when the regional plan is established.
8. Cost estimates for orders placed by individuals include:
 - a) First class mail
 - b) New cards: Folder and 4 brochure inserts
 - c) Replacement cards: Card "jacket" and 1 page insert
9. Cost estimates for orders placed by or for institutions include:
 - a) Very large institutions will either pick up their cards or will have cards delivered to them. All other institutional orders will be sent via priority mail with return receipt.
 - b) Card "jacket" and 1 page insert for each card
 - c) New institution: Packet with information on account management
10. Labor costs include Section Overhead and Transit Division Overhead.
11. All costs include a 10% administrative fee to cover costs of managing the service.

II. Card Procurement and Inventory Functions

A. Relationship to the RFC Contract

1. KCM will place an order for cards with the Contractor.
2. The Contractor will place an order for cards with the card provider.
3. Card provider will distribute cards to the Contractor.
4. The Contractor will "initialize" cards. This is the electronic action that registers a card in the system. Once a card is initialized, it is an RFCS card, contains application and security keys, may be assigned a fixed category (e.g., Adult, Youth, etc.) and is "blocked".
5. The Contractor will distribute cards to KCM.
6. KCM will confirm to the Contractor that they received the card order.
7. KCM will store cards in inventory and distribute as required (see *Scope of Work* below).

B. Scope of Work

1. Inventory & Distribution

- a) Provide secure storage space for all card inventory for the region. The standard card stock has no value on the card. The disposable cards will have pre-encoded values, e.g. \$5, \$10, \$20.
- b) Receive card stock from the Contractor and log in using the inventory management system feature that will be added to CARM (Contractor provided).
- c) Confirm inventory receipt with the Concord/Clearinghouse.
- d) Receive and process card orders from the agencies (via email form). Processing card orders includes assembling card stock, packaging card stock for delivery and preparing a transmittal form.
- e) Deliver card order via certified mail or van/driver. Alternately, the delivery may be picked up by the agency at a King County facility.
- f) Agency receiving order confirms inventory received.
- g) Produce periodic activity/productivity reports for Project Board review and budget purposes.

2. Card Procurement

- a) Provide a single point of interface to place all card orders with the vendor (Concord).
- b) Process agency invoices for standard card stock orders
- c) Monitor monthly inventory on-hand and delivery reports from the KC RPC and place standard card stock (Adult, Student and RF) orders as required.
- d) Process custom card orders on request:
 - (1) Provide client with regionally approved card design standards (e.g. all cards with transit application, MUST have identifying icon)
 - (2) Provide client with final card design approval
 - (3) Process pre-billing or post-billing for "white plastic" or custom design cards
 - (4) Produce periodic activity/productivity reports for Project Board review and budget purposes.

C. Cost Assumptions

1. Given the lead-time required for card orders (up to 3 months), orders for sufficient regional standard card stock will be placed only once or twice a year. Orders for "white plastic" or custom card orders can be received at any time.
2. Each agency's CSO will maintain sufficient inventory for several months of over-the-counter sales activity
3. The proposed storage location is the Revenue Processing Center, currently used for Puget Pass inventory warehousing and distribution, at Atlantic Base.
4. There will be an increase in capital costs to include modifications required to CARM for inventory management (\$72,319).
5. Cost estimates are based upon ridership and cash conversion assumptions (including RRF) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. This data was used to insure that estimates are consistent with other pricing estimates for the project. Actual costs will be used once known.

6. Labor costs include Section Overhead and Transit Division Overhead.
7. All costs include a 10% administrative fee to cover costs of managing the service.

Attachment No. 1
"Vendor Contract Costs"

REGIONAL

1-21-03

6 Agencies

w/o ET

CAPITAL COSTS

100.0%

Regional		Quantities	Unit Cost	
Equipment Purchase:	<u>Qtys./Costs</u>			
On-Board FTP		2,163	\$687	\$1,485,981
Stand-Alone FTP - (ST config.)		26	\$3,626	\$94,276
Stand-Alone FTP - (WSF config.)		65	\$3,354	\$218,010
Portable FTP - (verifier only)		16	\$1,344	\$21,504
Portable FTP - (full function)		65	\$1,809	\$117,585
DDU		2,163	\$1,264	\$2,734,032
Wireless Data Sys-Base		18	\$3,554	\$63,972
Wireless Data Sys-On-Board (non-ruggedized)		2,163	\$601	\$1,299,963
DAC		22	\$13,196	\$290,312
Back Office Computer		6	\$58,755	\$352,530
Integration w/ ST TVM		34	\$2,375	\$80,750
CST		32	\$8,487	\$271,584
Photo ID		10	\$18,227	\$182,270
TOTAL:				\$7,212,769

	Quantities	Unit Cost	
Equipment Installation:			
On-Board FTP	2,163	\$80	\$173,040
Stand-Alone FTP	91	\$644	\$58,604
Portable FTP	81	\$138	\$11,178
DAC	22	\$1,155	\$25,410
Back Office Computer	6	\$1,051	\$6,306
CST	32	\$1,408	\$45,056
TOTAL:			\$319,594

	# of cards	Agency share	Unit Cost	
Fare Cards:				
Year 1 - initial purchase	407,443	407,443	\$1.85	\$753,770
TOTAL:				\$753,770

		100.0%	Agency Cost	
Integration:				
A. KCM POS w/ CST	\$19,573	100.0%	\$19,573	\$19,573
B. DDU - integration w/ GFI			\$0	\$0
C. Back Office integration	\$246,668	100.0%	\$246,668	\$246,668
D. RCU Integration	\$86,500	100.0%	\$86,500	\$86,500
E. CARM - inventory software	\$72,319	100.0%	\$72,319	\$72,319
F. DDU - CT integration	\$86,783	100.0%	\$86,783	\$86,783
G. Portable CST application -KCM	T.B.D.	100.0%	\$0	\$0
TOTAL:				\$511,843

		100.0%	Agency Cost	
Reports:				
A. Standard Reports	\$563,812	100.0%	\$563,812	\$563,812
TOTAL:				\$563,812

Implementation:			Agency Cost	
Phase 1				
A. Design	\$1,912,153	100.0%	\$1,912,153	\$1,912,153
B. Development	\$2,697,906	100.0%	\$2,697,906	\$2,697,906
C. Testing Setup	\$211,429	100.0%	\$211,429	\$211,429
D. Testing	\$914,517	100.0%	\$914,517	\$914,517
E. Beta Testing	\$626,978	100.0%	\$626,978	\$626,978
F. Central System Software				
Configuration	\$3,510,779	100.0%	\$3,510,779	\$3,510,779
Testing	\$1,170,260	100.0%	\$1,170,260	\$1,170,260
G. EMC Test	\$74,245	100.0%	\$74,245	\$74,245
H. Environmental Test	\$79,704	100.0%	\$79,704	\$79,704
TOTAL:				\$11,197,971

		100.0%	Agency Cost	
Phase 2				
A. Testing	\$940,467	100.0%	\$940,467	\$940,467
B. Acceptance Testing	\$556,502	100.0%	\$556,502	\$556,502
TOTAL:				\$1,496,969

		100.0%	Agency Cost	
Project Management:	\$6,773,639	100.0%	\$6,773,639	\$6,773,639
Performance Security	\$738,233	100.0%	\$738,233	\$738,233
TOTAL:				\$7,511,872

		100.0%	Agency Cost	
Training:				
Development	\$242,000	100.0%	\$242,000	\$242,000
Conduct				
		<u>Quantities</u>	<u>Unit Cost</u>	
1. RFCS Overview		15	\$2,750	\$41,250
2. Systems Operations		15	\$2,750	\$41,250
3. Repair & Maintenance		14	\$5,500	\$77,000
4. Data Management		14	\$2,750	\$38,500
5. Customer Service		13	\$5,500	\$71,500
6. Train-the-Trainer (op/maint)		14	\$6,875	\$96,250
7. Train-the-Trainer (retail)		11	\$6,875	\$75,625
TOTAL:				\$683,375

TVM Revalue System Support Cost:	\$80,750	0.0%		\$0
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REGIONAL

Total Smart Card Capital Costs:

\$30,251,975

King County Metro

1/21/03

6 Agencies

w/o ET

CAPITAL COSTS

56.77%

Regional		Quantities	Unit Cost	
Equipment Purchase:	Qty's./Costs			
On-Board FTP		1,397	\$687	\$959,396
Stand-Alone FTP - (ST config.)		0	\$3,626	\$0
Stand-Alone FTP - (WSF config.)		0	\$3,354	\$0
Portable FTP - (verifier only)		0	\$1,344	\$0
Portable FTP - (full function)		50	\$1,809	\$90,450
DDU		1,397	\$1,264	\$1,765,176
Wireless Data Sys-Base		7	\$3,554	\$24,878
Wireless Data Sys-On-Board (non-ruggedized)		1,397	\$601	\$839,297
DAC		7	\$13,196	\$92,372
Back Office Computer		1	\$58,755	\$58,755
Integration w/ ST TVM		0	\$2,375	\$0
CST		22	\$8,487	\$186,714
Photo ID		3	\$18,227	\$54,681
TOTAL:				\$4,074,748

Equipment Installation:	Quantities	Unit Cost	
On-Board FTP	1,397	\$80	\$111,720
Stand-Alone FTP	0	\$644	\$0
Portable FTP	50	\$138	\$6,900
DAC	7	\$1,155	\$8,085
Back Office Computer	1	\$1,051	\$1,051
CST	22	\$1,408	\$30,976
TOTAL:			\$158,732

Fare Cards:	# of cards	Agency share	Unit Cost	
Year 1- initial purchase	407,443	231,306	\$1.85	\$427,915
TOTAL:				\$427,915

Integration:		Agency Cost	
A. KCM POS w/ CST	\$19,573	100.0%	\$19,573
B. DDU - integration w/ GFI			\$0
C. Back Office integration	\$246,668	56.77%	\$140,033
D. RCU Integration	\$86,500	100.0%	\$86,500
E. CARM - inventory software	\$72,319	56.77%	\$41,055
F. DDU - CT integration (option)	\$86,783	0.0%	\$0
G. Portable CST application -KCM	T.B.D.	100.0%	\$0
TOTAL:			\$287,162

Reports:		Agency Cost	
A. Standard Reports	\$563,812	56.77%	\$320,076
TOTAL:			\$320,076

Implementation:		Agency Cost	
Phase 1			
A. Design	\$1,912,153	56.77%	\$1,085,529
B. Development	\$2,697,906	56.77%	\$1,531,601
C. Testing Setup	\$211,429	56.77%	\$120,028
D. Testing	\$914,517	56.77%	\$519,171
E. Beta Testing	\$626,978	56.77%	\$355,935
F. Central System Software			
Configuration	\$3,510,779	56.77%	\$1,993,069
Testing	\$1,170,260	56.77%	\$664,357
G. EMC Test	\$74,245	56.77%	\$42,149
H. Environmental Test	\$79,704	56.77%	\$45,248
TOTAL:			\$8,357,088

Phase 2		Agency Cost	
A. Testing	\$940,467	56.77%	\$533,903
B. Acceptance Testing	\$556,502	56.77%	\$315,926
TOTAL:			\$849,829

Project Management:		Agency Cost	
Performance Security	\$6,773,639	56.77%	\$3,845,395
	\$738,233	56.77%	\$419,095
TOTAL:			\$4,264,490

Training:		Agency Cost	
Development	\$242,000	56.77%	\$137,383
Conduct			
1. RFCS Overview	5	\$2,750	\$13,750
2. Systems Operations	5	\$2,750	\$13,750
3. Repair & Maintenance	5	\$5,500	\$27,500
4. Data Management	5	\$2,750	\$13,750
5. Customer Service	5	\$5,500	\$27,500
6. Train-the-Trainer (op/maint)	5	\$6,875	\$34,375
7. Train-the-Trainer (retail)	5	\$6,875	\$34,375
TOTAL:			\$302,383

TVM Revalue System Support Cost:	\$80,750	56.77%	\$45,842
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King County Metro

Total Smart Card Capital Costs:

\$17,085,236

Community Transit

1-21-03

6 Agencies

w/o ET

CAPITAL COSTS				11.90%
Regional				
Equipment Purchase:	<u>Qtys./Costs</u>	<u>Quantities</u>	<u>Unit Cost</u>	
On-Board FTP		290	\$687	\$199,093
Stand-Alone FTP - (ST config.)		0	\$3,626	\$0
Stand-Alone FTP - (WSF config.)		0	\$3,354	\$0
Portable FTP - (verifier only)		0	\$1,344	\$0
Portable FTP - (full function)		0	\$1,809	\$0
DDU		290	\$1,264	\$366,307
Wireless Data Sys-Base		2	\$3,554	\$7,108
Wireless Data Sys-On-Board (non-ruggedized)		290	\$601	\$174,170
DAC		2	\$13,196	\$26,392
Back Office Computer		1	\$58,755	\$58,755
Integration w/ ST TVM		0	\$2,375	\$0
CST		1	\$8,487	\$8,487
Photo ID		1	\$18,227	\$18,227
TOTAL:				\$858,539
Equipment Installation:		<u>Quantities</u>	<u>Unit Cost</u>	
On-Board FTP		290	\$80	\$23,184
Stand-Alone FTP		0	\$644	\$0
Portable FTP		0	\$138	\$0
DAC		2	\$1,155	\$2,310
Back Office Computer		1	\$1,051	\$1,051
CST		1	\$1,408	\$1,408
TOTAL:				\$27,953
		11.90%		
Fare Cards:	<u># of cards</u>	<u>Agency share</u>	<u>Unit Cost</u>	
Year 1 - initial purchase	407,443	48,486	\$1.85	\$89,699
TOTAL:				\$89,699
Integration:			<u>Agency Cost</u>	
A. KCM POS w/ CST	\$19,573	0.00%	\$0	\$0
B. DDU - integration w/ GFI			\$0	\$0
C. Back Office integration	\$246,668	11.90%	\$29,353	\$29,353
D. RCU Integration	\$86,500	0.00%	\$0	\$0
E. CARM - inventory software	\$72,319	11.90%	\$8,606	\$8,606
F. DDU - CT integration	\$86,783	100.00%	\$86,783	\$86,783
G. Portable CST application -KCM	T.B.D.	0.00%	\$0	\$0
TOTAL:				\$124,742
Reports:			<u>Agency Cost</u>	
A. Standard Reports	\$563,812	11.90%	\$67,094	\$67,094
TOTAL:				\$67,094
Implementation:			<u>Agency Cost</u>	
Phase 1				
A. Design	\$1,912,153	11.90%	\$227,546	\$227,546
B. Development	\$2,697,906	11.90%	\$321,051	\$321,051
C. Testing Setup	\$211,429	11.90%	\$25,160	\$25,160
D. Testing	\$914,517	11.90%	\$108,828	\$108,828
E. Beta Testing	\$626,978	11.90%	\$74,610	\$74,610
F. Central System Software				
Configuration	\$3,510,779	11.90%	\$417,783	\$417,783
Testing	\$1,170,260	11.90%	\$139,261	\$139,261
G. EMC Test	\$74,245	11.90%	\$8,835	\$8,835
H. Environmental Test	\$79,704	11.90%	\$9,485	\$9,485
TOTAL:				\$1,332,559
Phase 2			<u>Agency Cost</u>	
A. Testing	\$940,467	11.90%	\$111,916	\$111,916
B. Acceptance Testing	\$556,502	11.90%	\$66,224	\$66,224
TOTAL:				\$178,139
Project Management:	\$6,773,639	11.90%	\$806,063	\$806,063
Performance Security	\$738,233	11.90%	\$87,850	\$87,850
TOTAL:				\$893,913
Training:			<u>Agency Cost</u>	
Development	\$242,000	11.90%	\$28,798	\$28,798
Conduct		<u>Quantities</u>	<u>Unit Cost</u>	
1. RFCS Overview		2	\$2,750	\$5,500
2. Systems Operations		2	\$2,750	\$5,500
3. Repair & Maintenance		2	\$5,500	\$11,000
4. Data Management		2	\$2,750	\$5,500
5. Customer Service		2	\$5,500	\$11,000
6. Train-the-Trainer (op/maint)		2	\$6,875	\$13,750
7. Train-the-Trainer (retail)		2	\$6,875	\$13,750
TOTAL:				\$94,798
TVM Revalue System Support Cost:	\$80,750	11.90%	\$9,609	\$9,609
Community Transit				Total Smart Card Capital Costs:
				\$3,677,044

SOUND TRANSIT

1-21-03

6 Agencies

w/o ET

CAPITAL COSTS		10.96%		
Regional				
Equipment Purchase:	<u>Qty's./Costs</u>	<u>Quantities</u>	<u>Unit Cost</u>	
On-Board FTP		198	\$687	\$136,335
Stand-Alone FTP - (ST config.)		26	\$3,626	\$94,276
Stand-Alone FTP - (WSF config.)		0	\$3,354	\$0
Portable FTP - (verifier only)		16	\$1,344	\$21,504
Portable FTP - (full function)		0	\$1,809	\$0
DDU		198	\$1,264	\$250,841
Wireless Data Sys-Base		4	\$3,554	\$14,216
Wireless Data Sys-On-Board (non-ruggedized)		198	\$601	\$119,268
DAC		4	\$13,196	\$52,784
Back Office Computer		1	\$58,755	\$58,755
Integration w/ ST TVM		34	\$2,375	\$80,750
CST		1	\$8,487	\$8,487
Photo ID		1	\$18,227	\$18,227
TOTAL:				\$855,443
Equipment Installation:		<u>Quantities</u>	<u>Unit Cost</u>	
On-Board FTP		198	\$80	\$15,876
Stand-Alone FTP		26	\$644	\$16,744
Portable FTP		16	\$138	\$2,208
DAC		4	\$1,155	\$4,620
Back Office Computer		1	\$1,051	\$1,051
CST		1	\$1,408	\$1,408
TOTAL:				\$41,907
		10.96%		
Fare Cards:	<u># of cards</u>	<u>Agency share</u>	<u>Unit Cost</u>	
Year 1 - initial purchase	407,443	44,656	\$1.85	\$82,613
TOTAL:				\$82,613
Integration:			<u>Agency Cost</u>	
A. KCM POS w/ CST	\$19,573	0.00%	\$0	\$0
B. DDU - integration w/ GFI			\$0	\$0
C. Back Office integration	\$246,668	10.96%	\$27,035	\$27,035
D. RCU Integration	\$86,500	0.00%	\$0	\$0
E. CARM - inventory software	\$72,319	10.96%	\$7,926	\$7,926
F. DDU - CT integration	\$86,783	0.00%	\$0	\$0
G. Portable CST application -KCM	T.B.D.	0.00%	\$0	\$0
TOTAL:				\$34,961
Reports:			<u>Agency Cost</u>	
A. Standard Reports	\$563,812	10.96%	\$61,794	\$61,794
TOTAL:				\$61,794
Implementation:			<u>Agency Cost</u>	
Phase 1				
A. Design	\$1,912,153	10.96%	\$209,572	\$209,572
B. Development	\$2,697,906	10.96%	\$295,690	\$295,690
C. Testing Setup	\$211,429	10.96%	\$23,173	\$23,173
D. Testing	\$914,517	10.96%	\$100,231	\$100,231
E. Beta Testing	\$626,978	10.96%	\$68,717	\$68,717
F. Central System Software				
Configuration	\$3,510,779	10.96%	\$384,781	\$384,781
Testing	\$1,170,260	10.96%	\$128,260	\$128,260
G. EMC Test	\$74,245	10.96%	\$8,137	\$8,137
H. Environmental Test	\$79,704	10.96%	\$8,736	\$8,736
TOTAL:				\$1,227,298
Phase 2			<u>Agency Cost</u>	
A. Testing	\$940,467	10.96%	\$103,075	\$103,075
B. Acceptance Testing	\$556,502	10.96%	\$60,993	\$60,993
TOTAL:				\$164,068
Project Management:	\$6,773,639	10.96%	\$742,391	\$742,391
Performance Security	\$738,233	10.96%	\$80,910	\$80,910
TOTAL:				\$823,301
Training:			<u>Agency Cost</u>	
Development	\$242,000	10.96%	\$26,523	\$26,523
Conduct		<u>Quantities</u>	<u>Unit Cost</u>	
1. RFCS Overview		1	\$2,750	\$2,750
2. Systems Operations		1	\$2,750	\$2,750
3. Repair & Maintenance		1	\$5,500	\$5,500
4. Data Management		1	\$2,750	\$2,750
5. Customer Service		1	\$5,500	\$5,500
6. Train-the-Trainer (op/maint)		1	\$6,875	\$6,875
7. Train-the-Trainer (retail)		1	\$6,875	\$6,875
TOTAL:				\$59,523
TVM Revalue System Support Credit:	\$80,750	-89.04%	(\$71,900)	(\$71,900)
SOUND TRANSIT	Total Smart Card Capital Costs:			\$3,279,008

Kitsap Transit

1-21-03

6 Agencies

w/o ET

CAPITAL COSTS

6.05%

Equipment Purchase:	Regional		Unit Cost	
	Qty's./Costs	Quantities		
On-Board FTP		106	\$687	\$72,856
Stand-Alone FTP - (ST config.)		0	\$3,626	\$0
Stand-Alone FTP - (WSF config.)		3	\$3,354	\$10,062
Portable FTP - (verifier only)		0	\$1,344	\$0
Portable FTP - (full function)		0	\$1,809	\$0
DDU		106	\$1,264	\$134,047
Wireless Data Sys-Base		4	\$3,554	\$14,216
Wireless Data Sys-On-Board (non-ruggedized)		106	\$601	\$63,736
DAC		4	\$13,196	\$52,784
Back Office Computer		1	\$58,755	\$58,755
Integration w/ ST TVM		0	\$2,375	\$0
CST		1	\$8,487	\$8,487
Photo ID		1	\$18,227	\$18,227
TOTAL:				\$433,171

Equipment Installation:	Quantities	Unit Cost	
On-Board FTP	106	\$80	\$8,484
Stand-Alone FTP	3	\$644	\$1,932
Portable FTP	0	\$138	\$0
DAC	4	\$1,155	\$4,620
Back Office Computer	1	\$1,051	\$1,051
CST	1	\$1,408	\$1,408
TOTAL:			\$17,495

Fare Cards:	# of cards	6.05%		Unit Cost	
		Agency share			
Year 1- initial purchase	407,443	24,650	\$1.85		\$45,603
TOTAL:					\$45,603

Integration:			Agency Cost	
A. KCM POS w/ CST	\$19,573	0.00%	\$0	\$0
B. DDU - integration w/ GFI			\$0	\$0
C. Back Office integration	\$246,668	6.05%	\$14,923	\$14,923
D. RCU Integration	\$86,500	0.00%	\$0	\$0
E. CARM - inventory software	\$72,319	6.05%	\$4,375	\$4,375
F. DDU - CT integration (option)	\$86,783	0.00%	\$0	\$0
G. Portable CST application -KCM	T.B.D.	0.00%	\$0	\$0
TOTAL:				\$19,299

Reports:			Agency Cost	
A. Standard Reports	\$563,812	6.05%	\$34,111	\$34,111
TOTAL:				\$34,111

Implementation:			Agency Cost	
Phase 1				
A. Design	\$1,912,153	6.05%	\$115,685	\$115,685
B. Development	\$2,697,906	6.05%	\$163,223	\$163,223
C. Testing Setup	\$211,429	6.05%	\$12,791	\$12,791
D. Testing	\$914,517	6.05%	\$55,328	\$55,328
E. Beta Testing	\$626,978	6.05%	\$37,932	\$37,932
F. Central System Software				
Configuration	\$3,510,779	6.05%	\$212,402	\$212,402
Testing	\$1,170,260	6.05%	\$70,801	\$70,801
G. EMC Test	\$74,245	6.05%	\$4,492	\$4,492
H. Environmental Test	\$79,704	6.05%	\$4,822	\$4,822
TOTAL:				\$677,477

Phase 2			Agency Cost	
A. Testing	\$940,467	6.05%	\$56,898	\$56,898
B. Acceptance Testing	\$556,502	6.05%	\$33,668	\$33,668
TOTAL:				\$90,567

Project Management:			Agency Cost	
	\$6,773,639	6.05%	\$409,805	\$409,805
Performance Security	\$738,233	6.05%	\$44,663	\$44,663
TOTAL:				\$454,468

Training:			Agency Cost	
Development	\$242,000	6.05%	\$14,641	\$14,641
Conduct				
		Quantities	Unit Cost	
1. RFCS Overview		2	\$2,750	\$5,500
2. Systems Operations		2	\$2,750	\$5,500
3. Repair & Maintenance		2	\$5,500	\$11,000
4. Data Management		2	\$2,750	\$5,500
5. Customer Service		2	\$5,500	\$11,000
6. Train-the-Trainer (op/maint)		2	\$6,875	\$13,750
7. Train-the-Trainer (retail)		2	\$6,875	\$13,750
TOTAL:				\$80,641

TVM Revalue System Support Cost:	\$80,750	6.1%	\$4,885	\$4,885
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Kitsap Transit

Total Smart Card Capital Costs:

\$1,857,717

WSF

1-21-03

6 Agencies

w/o ET

CAPITAL COSTS

5.42%

Equipment Purchase:	Regional Qty./Costs	Quantities	Unit Cost	
On-Board FTP		0	\$687	\$0
Stand-Alone FTP - (ST config.)		0	\$3,626	\$0
Stand-Alone FTP - (WSF config.)		62	\$3,354	\$207,948
Portable FTP - (verifier only)		0	\$1,344	\$0
Portable FTP - (full function)		15	\$1,809	\$27,135
DDU		0	\$1,264	\$0
Wireless Data Sys-Base		0	\$3,554	\$0
Wireless Data Sys-On-Board (non-ruggedized)		0	\$601	\$0
DAC		4	\$13,196	\$52,784
Back Office Computer		1	\$58,755	\$58,755
Integration w/ ST TVM		0	\$2,375	\$0
CST		1	\$8,487	\$8,487
Photo ID		0	\$18,227	\$0
TOTAL:				\$355,109

Equipment Installation:	Quantities	Unit Cost	
On-Board FTP	0	\$80	\$0
Stand-Alone FTP	62	\$644	\$39,928
Portable FTP	15	\$138	\$2,070
DAC	4	\$1,155	\$4,620
Back Office Computer	1	\$1,051	\$1,051
CST	1	\$1,408	\$1,408
TOTAL:			\$49,077

Fare Cards:	# of cards	Agency share	Unit Cost	
Year 1- initial purchase	407,443	22,083	\$1.85	\$40,854
TOTAL:				\$40,854

Integration:			Agency Cost	
A. KCM POS w/ CST	\$19,573	0.00%	\$0	\$0
B. DDU - integration w/ GFI			\$0	\$0
C. Back Office integration	\$246,668	5.42%	\$13,369	\$13,369
D. RCU Integration	\$86,500	0.00%	\$0	\$0
E. CARM - inventory software	\$72,319	5.42%	\$3,920	\$3,920
F. DDU - CT integration	\$86,783	0.00%	\$0	\$0
G. Portable CST application -KCM	T.B.D.	0.00%	\$0	\$0
TOTAL:				\$17,289

Reports:			Agency Cost	
A. Standard Reports	\$563,812	5.42%	\$30,559	\$30,559
TOTAL:				\$30,559

Implementation:			Agency Cost	
Phase 1				
A. Design	\$1,912,153	5.42%	\$103,639	\$103,639
B. Development	\$2,697,906	5.42%	\$146,227	\$146,227
C. Testing Setup	\$211,429	5.42%	\$11,459	\$11,459
D. Testing	\$914,517	5.42%	\$49,567	\$49,567
E. Beta Testing	\$626,978	5.42%	\$33,982	\$33,982
F. Central System Software				
Configuration	\$3,510,779	5.42%	\$190,284	\$190,284
Testing	\$1,170,260	5.42%	\$63,428	\$63,428
G. EMC Test	\$74,245	5.42%	\$4,024	\$4,024
H. Environmental Test	\$79,704	5.42%	\$4,320	\$4,320
TOTAL:				\$606,930

Phase 2			Agency Cost	
A. Testing	\$940,467	5.42%	\$50,973	\$50,973
B. Acceptance Testing	\$556,502	5.42%	\$30,162	\$30,162
TOTAL:				\$81,135

Project Management:			Agency Cost	
Performance Security	\$6,773,639	5.42%	\$367,131	\$367,131
	\$738,233	5.42%	\$40,012	\$40,012
TOTAL:				\$407,143

Training:			Agency Cost	
Development	\$242,000	5.42%	\$13,116	\$13,116
Conduct				
		Quantities	Unit Cost	
1. RFCS Overview		2	\$2,750	\$5,500
2. Systems Operations		2	\$2,750	\$5,500
3. Repair & Maintenance		2	\$5,500	\$11,000
4. Data Management		2	\$2,750	\$5,500
5. Customer Service		2	\$5,500	\$11,000
6. Train-the-Trainer (op/maint)		3	\$6,875	\$20,625
7. Train-the-Trainer (retail)		0	\$6,875	\$0
TOTAL:				\$72,241

TVM Revalue System Support Cost:	\$80,750	5.42%	\$4,377	\$4,377
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WSF

Total Smart Card Capital Costs:

\$1,664,715

Pierce Transit

1-21-03

6 Agencies

w/o ET

CAPITAL COSTS

8.90%

Equipment Purchase:	Regional Qty's./Costs	Quantities	Unit Cost	
On-Board FTP		172	\$687	\$118,301
Stand-Alone FTP - (ST config.)		0	\$3,626	\$0
Stand-Alone FTP - (WSF config.)		0	\$3,354	\$0
Portable FTP - (verifier only)		0	\$1,344	\$0
Portable FTP - (full function)		0	\$1,809	\$0
DDU		172	\$1,264	\$217,661
Wireless Data Sys-Base		1	\$3,554	\$3,554
Wireless Data Sys-On-Board (non-ruggedized)		172	\$601	\$103,492
DAC		1	\$13,196	\$13,196
Back Office Computer		1	\$58,755	\$58,755
Integration w/ ST TVM		0	\$2,375	\$0
CST		6	\$8,487	\$50,922
Photo ID		4	\$18,227	\$72,908
TOTAL:				\$638,739

Equipment Installation:	Quantities	Unit Cost	
On-Board FTP	172	\$80	\$13,776
Stand-Alone FTP	0	\$644	\$0
Portable FTP	0	\$138	\$0
DAC	1	\$1,155	\$1,155
Back Office Computer	1	\$1,051	\$1,051
CST	6	\$1,408	\$8,448
TOTAL:			\$24,430

Fare Cards:	# of cards	Agency share	Unit Cost	
Year 1- initial purchase	407,443	36,262	\$1.85	\$67,086
TOTAL:				\$67,086

Integration:			Agency Cost	
A. KCM POS w/ CST	\$19,573	0.00%	\$0	\$0
B. DDU - integration w/ GFI			\$0	\$0
C. Back Office integration	\$246,668	8.90%	\$21,953	\$21,953
D. RCU Integration	\$86,500	0.00%	\$0	\$0
E. CARM - inventory software	\$72,319	8.90%	\$6,436	\$6,436
F. DDU - CT integration	\$86,783	0.00%	\$0	\$0
G. Portable CST application -KCM	T.B.D.	0.00%	\$0	\$0
TOTAL:				\$28,390

Reports:			Agency Cost	
A. Standard Reports	\$563,812	8.90%	\$50,179	\$50,179
TOTAL:				\$50,179

Implementation:			Agency Cost	
Phase 1				
A. Design	\$1,912,153	8.90%	\$170,182	\$170,182
B. Development	\$2,697,906	8.90%	\$240,114	\$240,114
C. Testing Setup	\$211,429	8.90%	\$18,817	\$18,817
D. Testing	\$914,517	8.90%	\$81,392	\$81,392
E. Beta Testing	\$626,978	8.90%	\$55,801	\$55,801
F. Central System Software				
Configuration	\$3,510,779	8.90%	\$312,459	\$312,459
Testing	\$1,170,260	8.90%	\$104,153	\$104,153
G. EMC Test	\$74,245	8.90%	\$6,608	\$6,608
H. Environmental Test	\$79,704	8.90%	\$7,094	\$7,094
TOTAL:				\$996,619

Phase 2			Agency Cost	
A. Testing	\$940,467	8.90%	\$83,702	\$83,702
B. Acceptance Testing	\$556,502	8.90%	\$49,529	\$49,529
TOTAL:				\$133,230

Project Management:			Agency Cost	
	\$6,773,639	8.90%	\$602,854	\$602,854
Performance Security	\$738,233	8.90%	\$65,703	\$65,703
TOTAL:				\$668,557

Training:			Agency Cost	
Development	\$242,000	8.90%	\$21,538	\$21,538
Conduct		Quantities	Unit Cost	
1. RFCS Overview		3	\$2,750	\$8,250
2. Systems Operations		3	\$2,750	\$8,250
3. Repair & Maintenance		2	\$5,500	\$11,000
4. Data Management		2	\$2,750	\$5,500
5. Customer Service		1	\$5,500	\$5,500
6. Train-the-Trainer (op/maint)		1	\$6,875	\$6,875
7. Train-the-Trainer (retail)		1	\$6,875	\$6,875
TOTAL:				\$73,788

TVM Revalue System Support Cost:	\$80,750	8.90%	\$7,187	\$7,187
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Pierce Transit	Total Smart Card Capital Costs:	\$2,688,255
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Attachment No. 2

**“Regional Project Budget Cost
Summary”**

PRELIMINARY RFC REGIONAL PROJECT BUDGET COST SUMMARY - 6 AGENCIES

Cost Item & Assumptions	Total Regional Cost	Everett Transit	WSF	Kitsap Transit	Pierce Transit	Sound Transit	Community Transit	King County Metro
	100.0%	Formula - % shares based on the total cost of each agency's equipment and installation						
		5.42%	6.05%	8.90%	10.96%	11.90%	56.77%	
1. Vendor Contract	\$30,251,975		\$1,664,715	\$1,857,717	\$2,688,255	\$3,279,008	\$3,677,044	\$17,085,236
2. Other Shared Costs								
2.a Regional Project Management (4 FTEs)	\$1,029,000		\$55,772	\$62,255	\$91,581	\$112,778	\$122,451	\$584,163
2.b Sound Transit Funds Management	t.b.d.		\$28,455	\$31,763	\$46,725	\$57,540	\$62,475	\$298,043
2.c Regional Technical Consultant	\$525,000		\$146,495	\$163,479	\$236,566	\$288,553	\$323,580	\$1,503,501
2.d Sales Tax (100% vendor cost @ 8.8%)	\$2,662,174		\$332,943	\$371,543	\$537,651	\$655,802	\$735,409	\$3,417,047
2.e Contingency Fund (20% of contract capital value)	\$6,050,395		\$6,618	\$7,387	\$10,867	\$13,382	\$14,530	\$69,316
2.f Dispute Resolution Board	\$122,100		\$5,366	\$5,990	\$8,811	\$10,850	\$11,781	\$56,202
2.g Software Escrow Account	\$99,000		\$4,065	\$4,538	\$6,675	\$8,220	\$8,925	\$42,578
2.h Project Evaluation	\$75,000		\$16,260	\$18,150	\$26,700	\$32,880	\$35,700	\$170,310
2.i Project Marketing	\$300,000		\$1,469	\$1,640	\$2,412	\$2,970	\$3,225	\$15,385
2.j Sound Transit Consultant fee to oversee TVM upgrade	\$27,100		\$597,442	\$666,743	\$967,988	\$1,182,975	\$1,318,075	\$6,156,544
Subtotal:	\$10,889,769		\$597,442	\$666,743	\$967,988	\$1,182,975	\$1,318,075	\$6,156,544
TOTAL EST. CAPITAL COST:	\$41,141,744		\$2,262,157	\$2,524,460	\$3,656,243	\$4,461,983	\$4,995,119	\$23,241,780

Note:
 2.d Components of the vendor contract may be exempt from sales tax. However the agencies have not yet reached concurrence on sales tax applicability.
 2.g Software escrow estimate to be confirmed upon execution of the escrow services contract.
 2.h & 2.i Placeholder estimates pending development of each plan.

Attachment No. 3

“Estimated Payment Cash Flow Assumptions for Vendor Contract and Other Regional Project Administrative Costs”

Note: Each Agency's report is two (2) pages in length. Page 1 contains vendor payments while page 2 contains other project administrative payments and the overall summary.

RFCs SYSTEM IMPLEMENTATION - SHARED AND TOTAL COST SCHEDULE

100%

REGIONAL **6 agencies** **Regional**

1-21-03

Summary from Page 1

	OTHER SHARED COSTS														Shared Costs		Vendor Payments		TOTAL (Shared + Vendor)	
	Project Mgmt.	S/T Funds Mgmt.	Tech. Consult.	Sales Tax (6.8%)	Dispute Board	Escrow Acct.	Project Eval.	Marketing	TVM Consult.	Cost Subtotal	Cumulative Cost	Monthly Payments	Cumulative Payments	Monthly Payments	Cumulative Payments	Monthly Payments	Cumulative Payments			
																		Project Mgmt.	Payment Milestones	
Year 1																				
Month 1	79,154		40,385	108,008	0	3,700			111,708	111,708	1,227,363	1,227,363	0	0	1,339,071	1,339,071				
Month 2			40,385	55,211					174,750	286,457	627,399	1,854,762	802,149	2,114,219						
Month 3			40,385	55,211					55,211	341,668	627,399	2,482,161	682,610	2,823,829						
Month 4			40,385	16,427					135,965	352,845	186,668	3,239,228	322,633	3,829,073						
Month 5			40,385	16,427					16,427	549,272	186,668	3,432,896	203,095	4,032,167						
Month 6			40,385	16,427					16,427	565,699	186,668	3,629,595	203,095	4,235,262						
Month 7			40,385	16,764					136,302	702,001	190,500	3,820,095	326,802	4,562,055						
Month 8			40,385	16,764					16,764	718,765	190,500	4,018,595	207,264	4,769,329						
Month 9			40,385	16,764					16,764	735,529	190,500	4,214,064	207,264	4,976,593						
Month 10			40,385	16,089	40,700	25,000			201,328	936,857	182,835	4,422,899	384,163	5,360,756						
Month 11			40,385	16,089					16,089	952,946	182,835	4,608,734	188,924	5,554,688						
Month 12			40,385	174,728					16,089	969,839	182,835	4,799,569	188,924	5,788,604						
Month 13			40,385	12,717					294,267	1,263,803	1,885,555	6,773,124	2,279,822	8,038,427						
Month 14			40,385	12,717					12,717	1,276,520	144,511	6,919,625	157,228	7,076,853						
Month 15			40,385	12,380					12,717	1,288,907	144,511	7,064,146	157,228	7,221,374						
Month 16			40,385	12,380					131,918	1,420,825	140,679	7,204,823	272,957	7,477,780						
Month 17			40,385	12,380					12,380	1,433,205	140,679	7,345,504	153,059	7,498,563						
Month 18			40,385	228,615					12,380	1,446,215	140,679	7,486,183	153,059	7,639,242						
Month 19			40,385	12,599					348,154	1,795,369	2,587,899	10,004,082	2,946,053	13,877,650						
Month 20			40,385	12,599					12,599	1,807,968	143,174	10,227,236	155,773	12,033,323						
Month 21			40,385	385,120	40,700	2,650	27,100		600,109	1,816,787	143,174	10,370,430	155,773	12,189,197						
Month 22			40,385	12,482					12,482	2,431,358	4,376,367	14,746,797	4,976,476	17,165,673						
Month 23			40,385	12,482					12,482	2,443,840	141,841	14,888,638	154,323	17,478,319						
Month 24			40,385	12,819				300,000	432,358	2,876,198	145,874	15,030,479	578,032	18,052,351						
Month 25			40,385	12,819					12,819	2,889,017	145,874	15,176,352	158,493	18,210,844						
Month 26			40,385	12,819					12,819	2,901,836	145,874	15,321,827	158,493	18,369,337						
Month 27			40,385	12,988					12,988	3,034,363	147,590	15,469,417	280,116	18,649,454						
Month 28			40,385	12,988					12,988	3,047,351	147,590	15,616,907	160,578	18,810,031						
Month 29			40,385	197,200					12,988	3,060,339	147,590	15,764,397	160,578	18,970,609						
Month 30			40,385	0					316,739	3,377,077	2,240,914	16,011,311	2,557,653	21,528,262						
Month 31			40,385	0					0	3,377,077	0	16,158,388	0	16,158,388						
Month 32			40,385	0					0	3,377,077	0	16,305,465	0	16,305,465						
Month 33			40,385	0	40,700	25,000			185,238	3,562,316	185,238	16,490,703	185,238	16,675,941						
Month 34			40,385	0					0	3,562,316	0	16,636,019	0	16,636,019						
Month 35			40,385	1,084,870		92,650			0	4,647,186	12,100,780	30,251,975	13,377,848	35,091,348						
Month 36			40,385	0					0	4,647,186	0	30,251,975	0	30,251,975						
Month 37			40,385	0					0	4,647,186	0	30,251,975	0	30,251,975						
Month 38			40,385	0					0	4,647,186	0	30,251,975	0	30,251,975						
Month 39			40,385	0					0	4,647,186	0	30,251,975	0	30,251,975						
Year 1																				
Year 2																				
Year 3																				
Year 4																				

TOTAL COSTS: 1,029,000 l.b.d. 525,000 2,662,174 122,100 99,000 75,000 300,000 27,100 4,839,374 4,839,374

Revenue Service Commences 6,050,395 Contingency Fund (20% vendor capital cost): 6,050,395

TOTAL COSTS (with 20% contingency): 10,889,769 Page 2

30,251,975 30,251,975 35,091,348 35,091,348 41,141,743

KCM

1-21-03

6 agencies

RFCS SYSTEM IMPLEMENTATION - VENDOR PAYMENT SCHEDULE

Year	Month	Project Mgmt.	Perf. Security	VENDOR COSTS						Vendor Payments						
				Phase 1	Phase 2	Integration & Reporting	Development	Training Classes	Equipment	Installation	Fare Cards	T/M Cost/Credit	Subtotal	Cumulative Total	Monthly Payments	Cumulative Payments
Year 1	Month 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 Quarter	Month 2	348,605	7,569	635,709	0	63,724	0	0	0	0	0	0	0	696,433	696,433	0
	Month 3	348,605	7,569	0	0	0	0	0	0	0	0	0	0	356,174	1,052,607	0
2 Quarter	Month 4	348,605	7,569	0	0	0	0	0	0	0	0	0	0	356,174	1,408,781	0
	Month 5	98,402	7,569	0	0	0	0	0	0	0	0	0	0	356,174	1,764,956	0
3 Quarter	Month 6	98,402	7,569	0	0	0	0	0	0	0	0	0	0	105,971	1,870,927	0
	Month 7	98,402	7,569	0	0	0	0	0	0	0	0	0	0	105,971	1,976,899	0
4 Quarter	Month 8	98,402	7,569	0	0	0	0	0	0	0	0	0	0	105,971	2,082,870	0
	Month 9	100,578	7,569	0	0	0	0	0	0	0	0	0	0	108,147	2,191,017	0
5 Quarter	Month 10	100,578	7,569	0	0	0	0	0	0	0	0	0	0	108,147	2,299,164	0
	Month 11	100,578	7,569	0	0	0	0	0	0	0	0	0	0	108,147	2,407,311	0
6 Quarter	Month 12	96,226	7,569	0	0	0	0	0	0	0	0	0	0	103,795	2,511,106	0
Year 2	Month 13	96,226	7,569	0	0	0	0	0	0	0	0	0	0	103,795	2,614,902	0
	Month 14	96,226	7,569	0	0	0	0	0	0	0	0	0	0	103,795	2,718,697	0
7 Quarter	Month 15	74,470	7,569	963,583	91,086	0	0	0	0	0	0	0	0	1,126,688	3,845,386	0
	Month 16	74,470	7,569	0	0	0	0	0	0	0	0	0	0	82,039	3,927,424	0
8 Quarter	Month 17	74,470	7,569	0	0	0	0	0	0	0	0	0	0	82,039	4,009,463	0
	Month 18	72,294	7,569	0	0	0	0	0	0	0	0	0	0	79,863	4,089,326	0
9 Quarter	Month 19	72,294	7,569	0	0	0	0	0	0	0	0	0	0	79,863	4,169,189	0
	Month 20	72,294	7,569	0	0	0	0	0	0	0	0	0	0	79,863	4,249,053	0
10 Quarter	Month 21	72,294	7,569	0	0	0	0	0	0	0	0	0	0	79,863	4,328,916	0
	Month 22	72,294	8,986	0	0	0	0	0	0	0	0	0	0	81,280	4,409,202	0
11 Quarter	Month 23	72,294	8,986	0	0	0	0	0	0	0	0	0	0	81,280	4,490,482	0
	Month 24	70,118	8,986	1,271,418	1,271,418	0	0	0	0	0	0	0	0	2,116,063	6,606,545	0
Year 3	Month 25	70,118	10,405	0	0	0	0	0	0	0	0	0	0	80,523	6,687,068	0
	Month 26	70,118	10,405	0	0	0	0	0	0	0	0	0	0	80,523	6,767,591	0
12 Quarter	Month 27	72,294	10,405	0	0	0	0	0	0	0	0	0	0	82,699	6,850,290	0
	Month 28	72,294	10,405	0	0	0	0	0	0	0	0	0	0	82,699	6,932,989	0
13 Quarter	Month 29	72,294	10,405	0	0	0	0	0	0	0	0	0	0	82,699	7,015,688	0
	Month 30	73,382	10,405	0	0	0	0	0	0	0	0	0	0	83,787	7,100,475	0
14 Quarter	Month 31	73,382	10,405	0	0	0	0	0	0	0	0	0	0	83,787	7,184,262	0
	Month 32	73,382	10,405	0	0	0	0	0	0	0	0	0	0	83,787	7,268,049	0
15 Quarter	Month 33	91,253	10,405	0	0	0	0	0	0	0	0	0	0	1,588,816	8,856,865	0
	Month 34	91,253	10,405	0	0	0	0	0	0	0	0	0	0	1,588,816	10,445,681	0
16 Quarter	Month 35	91,253	10,405	0	0	0	0	0	0	0	0	0	0	1,588,816	12,034,497	0
	Month 36	91,253	10,405	0	0	0	0	0	0	0	0	0	0	1,588,816	13,623,313	0
17 Quarter	Month 37	91,253	10,405	0	0	0	0	0	0	0	0	0	0	1,588,816	15,212,129	0
	Month 38	91,253	10,405	0	0	0	0	0	0	0	0	0	0	1,588,816	16,800,945	0
18 Quarter	Month 39	61,882	10,402	2,223,981	849,829	212,538	155,376	0	0	0	0	0	0	3,845,256	20,646,201	0
	Month 40	90,839	419,085	6,357,088	849,829	607,238	137,383	165,000	4,071,718	158,732	427,915	45,842	0	17,085,235	37,731,436	0
TOTAL COSTS:		3,845,395	419,085	6,357,088	849,829	607,238	137,383	165,000	4,071,718	158,732	427,915	45,842	0	17,085,235	37,731,436	0

12 mos. \$2m L of C.
Revenue Service Commences

RFCs SYSTEM IMPLEMENTATION - SHARED AND TOTAL COST SCHEDULE

Summary from Page 1

56.77%

6 agencies

KCM
1-21-03

Year	Month	Payment Milestones	OTHER SHARED COSTS										Shared Costs		Vendor Payments		TOTAL (Shared + Vendor) Payments		
			Project Mgmt.	ST Funds Mgmt.	Tech Consult.	Sales Tax (8.8%)	Dispute Board	Escrow Acct.	Project Eval.	Marketing	TYM Consult.	Cost Subtotal	Cumulative Cost	Monthly Payments	Cumulative Payments	Monthly Payments	Cumulative Payments	Monthly Payments	Cumulative Payments
Year 1	Month 1																		
	Month 2				61,286														
	Month 3	Schedule Acceptance	44,936		22,926	31,343			2,100										
	Month 4				31,343														
Year 2	Month 5				31,343														
	Month 6				31,343														
	Month 7				9,325														
	Month 8				9,325														
Year 3	Month 9				9,517														
	Month 10				9,517														
	Month 11				9,517														
	Month 12				9,134			23,105			14,193								
Year 4	Month 13				9,134														
	Month 14				9,134														
	Month 15	Design Acceptance	44,936		22,926	89,149													
	Month 16				7,219														
Year 5	Month 17				7,219														
	Month 18				7,219														
	Month 19				7,028														
	Month 20				7,028														
Year 6	Month 21	Self Test Readiness	44,936		22,926	128,725													
	Month 22				7,153														
	Month 23				7,153														
	Month 24	Self Test Acceptance	44,936		22,926	166,214		23,105	1,504		14,193								
Year 7	Month 25				7,086														
	Month 26				7,086														
	Month 27				7,278														
	Month 28				7,278														
Year 8	Month 29				7,373														
	Month 30				7,373														
	Month 31				7,373														
	Month 32				7,373														
Year 9	Month 33	Installation Complete	44,936		22,926	139,816													
	Month 34				0														
	Month 35				0														
	Month 36				0														
Year 10	Month 37				0														
	Month 38				0														
	Month 39	Full System Acceptance	44,936		22,926	601,400													
	Month 40				0														

TOTAL COSTS:	584,163	1,503,501	69,316	56,202	42,578	170,310	15,385	2,799,487	2,799,487
Revenue Service Commences								3,417,047	3,417,047
TOTAL COSTS (with 20% contingency):								6,156,544	6,156,544

TOTAL (Shared + Vendor) Payments	19,824,732	19,824,732
TOTAL Vendor Payments	17,085,235	17,085,235
TOTAL (Shared + Vendor) Cumulative Payments	23,241,780	23,241,780

CT

1-21-03

6 agencies

RFCs SYSTEM IMPLEMENTATION - VENDOR PAYMENT SCHEDULE

Year	Month	Project Mgmt.	Perf. Security	Implementation			Integration & Reporting	Training Development	Classes	Equipment	Installation	Fare Cards	T/M Cost/Credit	Vendor Costs		Vendor Payments	
				Phase 1	Phase 2	Phase 3								Subtotal	Total	Monthly Payments	Cumulative Payments
Year 1	Month 1	0	0	133,266			19,184							152,450	152,450	152,450	0
1 Quarter	Month 3	73,074	1,587											74,660	227,100	227,100	0
Month 4	Month 4	73,074	1,587											74,660	301,760	301,760	0
Month 5	Month 5	73,074	1,587											74,660	376,421	376,421	0
2 Quarter	Month 6	20,627	1,587											22,213	398,634	398,634	0
Month 7	Month 7	20,627	1,587											22,213	420,848	420,848	0
Month 8	Month 8	20,627	1,587											22,213	443,061	443,061	0
3 Quarter	Month 9	21,083	1,587											22,670	465,731	465,731	0
Month 10	Month 10	21,083	1,587											22,670	488,400	488,400	0
Month 11	Month 11	21,083	1,587											22,670	511,070	511,070	0
4 Quarter	Month 12	20,171	1,587											21,757	532,827	532,827	0
Year 2	Month 13	20,171	1,587											21,757	554,585	554,585	0
Month 14	Month 14	20,171	1,587											21,757	576,342	576,342	0
5 Quarter	Month 15	15,610	1,587	192,884			28,775							245,656	822,998	822,998	0
Month 16	Month 16	15,610	1,587											17,197	839,395	839,395	0
Month 17	Month 17	15,610	1,587											17,197	856,592	856,592	0
6 Quarter	Month 18	15,154	1,587											16,741	873,332	873,332	0
Month 19	Month 19	15,154	1,587											16,741	890,073	890,073	0
Month 20	Month 20	15,154	1,587											16,741	906,814	906,814	0
7 Quarter	Month 21	15,154	1,884	266,512			38,367							321,917	1,228,731	1,228,731	0
Month 22	Month 22	15,154	1,884											17,038	1,245,769	1,245,769	0
Month 23	Month 23	15,154	1,884											17,038	1,262,806	1,262,806	0
8 Quarter	Month 24	14,698	1,884	266,512			38,367	5,500	181,154	6,014	2,202			545,128	1,807,934	1,807,934	0
Year 3	Month 25	14,698	2,181											16,879	1,824,813	1,824,813	0
Month 26	Month 26	14,698	2,181											16,879	1,841,692	1,841,692	0
Month 27	Month 27	15,154	2,181											17,335	1,859,027	1,859,027	0
9 Quarter	Month 28	15,154	2,181											17,335	1,876,363	1,876,363	0
Month 29	Month 29	15,154	2,181											17,335	1,893,698	1,893,698	0
Month 30	Month 30	15,382	2,181											17,563	1,911,261	1,911,261	0
Month 31	Month 31	15,382	2,181											17,563	1,928,824	1,928,824	0
10 Quarter	Month 32	15,382	2,181											17,563	1,946,387	1,946,387	0
Month 33	Month 33	19,128	2,181											21,309	1,967,697	1,967,697	0
11 Quarter	Month 34	19,128	2,181											21,309	2,010,315	2,010,315	0
Month 35	Month 35	19,128	2,181											21,309	2,031,625	2,031,625	0
12 Quarter	Month 36	19,128	2,181											21,309	2,052,934	2,052,934	0
Month 37	Month 37	19,128	2,181											21,309	2,074,243	2,074,243	0
13 Quarter	Month 38	12,971	2,180	466,955	176,196		67,143		67,985	21,938	97,437			9,609	1,665,759	3,656,003	3,656,003
Month 39	Month 39																
Year 4	Month 40		19,041														
TOTAL COSTS:		806,063	87,850	1,332,559	178,139		191,836	28,798	66,000	858,539	27,953	89,699	9,609	3,677,044	3,677,044	3,677,044	0

Revenue Service Commences

12 mos. \$2m L of C.

RFCS SYSTEM IMPLEMENTATION - SHARED AND TOTAL COST SCHEDULE

CT 1-21-03

6 agencies

11.90%

Summary from Page 1

Year	Month	Project Mgmt.	OTHER SHARED COSTS										Shared Costs		Vendor Payments		TOTAL (Shared + Vendor)			
			Project Mgmt.	ST Funds Mgmt.	Tech. Consult.	Sales Tax (8.8%)	Dispute Board	Escrow Acct.	Project Eval.	Marketing	TVM Consult.	Cost Subtotal	Cumulative Cost	Monthly Payments	Cumulative Payments	Monthly Payments	Cumulative Payments	Monthly Payments	Cumulative Payments	
Year 1	Month 1																			
	Month 2				13,415															
	Month 3			4,806	6,570			440												
	1 Quarter	9,419																		
Year 2	Month 4				6,570															
	Month 5				6,570															
	Month 6			4,806	1,955															
	2 Quarter	9,419																		
Year 3	Month 7				1,955															
	Month 8				1,955															
	Month 9			4,806	1,955															
	3 Quarter	9,419																		
Year 4	Month 10				1,955															
	Month 11				1,955															
	Month 12			4,806	4,843															
	4 Quarter	9,419																		
Year 5	Month 13				1,915															
	Month 14				1,915															
	Month 15			4,806	15,737															
	5 Quarter	9,419																		
Year 6	Month 16				1,513															
	Month 17				1,513															
	Month 18			4,806	1,473															
	6 Quarter	9,419																		
Year 7	Month 19				1,473															
	Month 20				1,473															
	Month 21			4,806	28,329															
	7 Quarter	9,419																		
Year 8	Month 22				1,499															
	Month 23				1,499															
	Month 24			4,806	47,971															
	8 Quarter	9,419																		
Year 9	Month 25				1,485															
	Month 26				1,485															
	Month 27			4,806	1,525															
	9 Quarter	9,419																		
Year 10	Month 28				1,525															
	Month 29				1,525															
	Month 30			4,806	1,546															
	10 Quarter	9,419																		
Year 11	Month 31				1,546															
	Month 32				1,546															
	Month 33			4,806	22,866															
	11 Quarter	9,419																		
Year 12	Month 34				0															
	Month 35				0															
	Month 36			4,806	0															
	12 Quarter	9,419																		
Year 13	Month 37				0															
	Month 38				0															
	Month 39			4,806	129,432															
	13 Quarter	9,419																		

TOTAL COSTS: 122,451 lb.d. 62,475 323,580 14,530 11,781 8,925 35,700 3,225 582,667 582,667

Revenue Service Commences Contingency Fund (20% vendor capital cost): 735,409

TOTAL COSTS (with 20% contingency): 1,318,076

TOTAL (Shared + Vendor) Cumulative Payments: 4,259,711

Vendor Payments Cumulative Payments: 3,877,044

TOTAL (Shared + Vendor) Monthly Payments: 4,995,120

Shared Costs Subtotal: 1,318,076

Shared Costs Cumulative Cost: 582,667

Vendor Payments Monthly Payments: 1,470,818

Vendor Payments Cumulative Payments: 3,877,044

TOTAL (Shared + Vendor) Monthly Payments: 4,259,711

TOTAL (Shared + Vendor) Cumulative Payments: 4,259,711

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ST

1-21-03

6 agencies

RFCs SYSTEM IMPLEMENTATION - VENDOR PAYMENT SCHEDULE

Year	Month	Project Mgmt.	Perf. Security	Implementation				Integration & Reporting	Training Development	Classes	Equipment	Installation	Fare Cards	TVM Cost/Credit	Vendor Costs		Vendor Payments	
				Phase 1	Phase 2	Phase 1	Phase 2								Subtotal	Cumulative Total	Monthly Payments	Cumulative Payments
Year 1	Month 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Month 2	67,302	1,461	122,739		9,675									132,405	132,405	132,405	
1 Quarter	Month 3	67,302	1,461												68,763	201,168	201,168	
	Month 4	67,302	1,461												68,763	269,931	269,931	
	Month 5	67,302	1,461												68,763	338,694	338,694	
2 Quarter	Month 6	18,998	1,461												20,459	359,153	359,153	
	Month 7	18,998	1,461												20,459	379,612	379,612	
	Month 8	18,998	1,461												20,459	400,070	400,070	
3 Quarter	Month 9	19,418	1,461												20,879	420,949	420,949	
	Month 10	19,418	1,461												20,879	441,828	441,828	
	Month 11	19,418	1,461												20,879	462,707	462,707	
4 Quarter	Month 12	18,577	1,461												20,039	482,746	482,746	
Year 2	Month 13	18,577	1,461												20,039	502,784	502,784	
	Month 14	18,577	1,461												20,039	522,823	522,823	
5 Quarter	Month 15	14,377	1,461	184,095		14,313									214,446	737,269	737,269	
	Month 16	14,377	1,461												15,838	753,108	753,108	
	Month 17	14,377	1,461												15,838	768,946	768,946	
6 Quarter	Month 18	13,957	1,461												15,418	784,365	784,365	
	Month 19	13,957	1,461												15,418	799,783	799,783	
	Month 20	13,957	1,461												15,418	815,201	815,201	
7 Quarter	Month 21	13,957	1,735	245,450		19,351									280,502	1,095,704	1,095,704	
	Month 22	13,957	1,735												15,692	1,111,396	1,111,396	
	Month 23	13,957	1,735												15,692	1,127,087	1,127,087	
8 Quarter	Month 24	13,537	1,735	245,450		19,351		28,523	6,975	287,093	13,105	2,029			595,707	1,722,794	1,722,794	
Year 3	Month 25	13,537	2,009												15,546	1,738,340	1,738,340	
	Month 26	13,537	2,009												15,546	1,753,886	1,753,886	
9 Quarter	Month 27	13,957	2,009												15,966	1,769,852	1,769,852	
	Month 28	13,957	2,009												15,966	1,785,818	1,785,818	
	Month 29	13,957	2,009												15,966	1,801,784	1,801,784	
10 Quarter	Month 30	14,167	2,009												16,176	1,817,960	1,817,960	
	Month 31	14,167	2,009												16,176	1,834,135	1,834,135	
	Month 32	14,167	2,009												16,176	1,850,311	1,850,311	
11 Quarter	Month 33	17,617	2,009												19,626	1,869,937	1,869,937	
	Month 34	17,617	2,009												19,626	1,889,563	1,889,563	
	Month 35	17,617	2,009												19,626	1,909,189	1,909,189	
12 Quarter	Month 36	17,617	2,009												19,626	1,928,815	1,928,815	
	Month 37	17,617	2,009												19,626	1,948,441	1,948,441	
	Month 38	17,617	2,009												19,626	1,968,067	1,968,067	
13 Quarter	Month 39	11,947	2,009	429,554	164,068	33,664		25,728	588,350	28,801	80,565				1,233,493	3,201,471	3,201,471	
	Month 40	11,947	2,009												17,537	3,219,008	3,219,008	
	Month 41	742,391	80,910	1,227,298	164,068	96,755	26,523	33,000	855,443	41,907	82,613				3,279,008	3,279,008	3,279,008	

TOTAL COSTS: Revenue Service Commences

KT
1-21-03

6 agencies

RFCs SYSTEM IMPLEMENTATION - VENDOR PAYMENT SCHEDULE

Year	Month	Project Mgmt.	Perf. Security	Implementation				Integration & Reporting	Training		Equipment	Installation	Fare Cards	TVM Cost/Credit	Vendor Costs		Vendor Payments							
				Phase 1	Phase 2	Phase 3	Phase 4		Development	Classes					Subtotal	Total	Monthly Payments	Cumulative Payments						
Year 1	Month 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Month 2	0	0	57,748	5,344	0	0	0	0	0	0	0	0	0	73,092	73,092	73,092	73,092						
1 Quarter	Month 3	37,151	807												37,958	111,046	37,958	111,046						
	Month 4	37,151	807												37,958	149,004	37,958	149,004						
	Month 5	37,151	807												37,958	186,962	37,958	186,962						
2 Quarter	Month 6	10,487	807												11,293	198,255	11,293	198,255						
	Month 7	10,487	807												11,293	209,548	11,293	209,548						
	Month 8	10,487	807												11,293	220,842	11,293	220,842						
3 Quarter	Month 9	10,719	807												11,525	232,367	11,525	232,367						
	Month 10	10,719	807												11,525	243,892	11,525	243,892						
	Month 11	10,719	807												11,525	255,418	11,525	255,418						
4 Quarter	Month 12	10,255	807												11,062	266,479	11,062	266,479						
Year 2	Month 13	10,255	807												11,062	277,541	11,062	277,541						
	Month 14	10,255	807												11,062	288,602	11,062	288,602						
5 Quarter	Month 15	7,936	807	10,162	8,011										118,376	406,978	118,376	406,978						
	Month 16	7,936	807												8,743	415,721	8,743	415,721						
	Month 17	7,936	807												8,743	424,464	8,743	424,464						
6 Quarter	Month 18	7,704	807												8,511	432,975	8,511	432,975						
	Month 19	7,704	807												8,511	441,486	8,511	441,486						
	Month 20	7,704	807												8,511	449,997	8,511	449,997						
7 Quarter	Month 21	7,704	958	135,495	10,662										154,839	604,836	154,839	604,836						
	Month 22	7,704	958												8,662	613,498	8,662	613,498						
	Month 23	7,704	958												8,662	622,160	8,662	622,160						
8 Quarter	Month 24	7,473	958	135,495	10,662	14,841	2,750	7,614	1,119	232,194	7,614	1,119			412,928	1,035,086	412,928	1,035,086						
Year 3	Month 25	7,473	1,109												8,581	1,043,668	8,581	1,043,668						
	Month 26	7,473	1,109												8,581	1,052,249	8,581	1,052,249						
	Month 27	7,704	1,109												8,813	1,061,062	8,813	1,061,062						
9 Quarter	Month 28	7,704	1,109												8,813	1,069,876	8,813	1,069,876						
	Month 29	7,704	1,109												8,813	1,078,689	8,813	1,078,689						
	Month 30	7,820	1,109												8,929	1,087,618	8,929	1,087,618						
10 Quarter	Month 31	7,820	1,109												8,929	1,096,547	8,929	1,096,547						
	Month 32	7,820	1,109												8,929	1,105,476	8,929	1,105,476						
11 Quarter	Month 33	9,725	1,109												10,834	1,116,310	9,154	1,114,630						
	Month 34	9,725	1,109												10,834	1,127,144								
	Month 35	9,725	1,109												10,834	1,137,978								
12 Quarter	Month 36	9,725	1,109												10,834	1,148,812								
	Month 37	9,725	1,109												10,834	1,159,646								
Year 4	Month 38	9,725	1,109												10,834	1,170,479								
13 Quarter	Month 39	8,595	1,109	237,117	50,667	18,588	63,260	9,881	44,484	200,977	9,881	44,484			677,557	1,848,036	743,087	1,857,716						
													9,681											
													409,805	44,863	677,477	90,667	53,409	14,841	66,000	433,171	17,495	45,603	4,885	1,857,716

TOTAL COSTS: Revenue Service Commences
12 mos. \$2m L of C.

RFCs SYSTEM IMPLEMENTATION - SHARED AND TOTAL COST SCHEDULE

KT
1-21-03

6 agencies
6.05%

Summary from Page 1

Year	Month	Payment Milestones	OTHER SHARED COSTS											Vendor Payments		TOTAL (Shared + Vendor)					
			Project Mgmt.	ST Funds Mgmt.	Tech. Consultant.	Sales Tax (8.8%)	Dispute Board	Escrow Acct.	Project Eval.	Marketing Consultant.	TVM Consultant.	Cost Subtotal	Cumulative Cost	Monthly Payments	Cumulative Payments	Monthly Payments	Cumulative Payments				
Year 1	Month 1																	0	79,744	79,744	
	Month 2		4,789		6,432	0	224											0	86,586	166,330	
	Month 3				3,340	3,340													37,958	204,288	242,246
	Month 4				3,340	3,340													37,958	242,246	280,204
	Month 5				3,340	3,340													37,958	280,204	318,162
	Month 6		4,789		984	984													11,293	299,455	330,650
	Month 7				984	984													11,293	310,748	341,943
	Month 8				984	984													11,293	322,041	353,236
	Month 9				1,014	1,014													11,293	333,134	364,530
	Month 10				1,014	1,014													11,293	344,227	375,823
	Month 11				1,014	1,014													11,293	355,320	387,116
	Month 12			4,789		973	2,462	1,513											11,062	366,382	398,409
Year 2	Month 13				973	973													11,062	377,444	409,702
	Month 14				973	973													11,062	388,506	421,000
	Month 15		4,789		2,443	10,417													118,376	406,978	432,298
	Month 16				769	769													8,743	415,721	443,596
	Month 17				769	769													8,743	424,464	454,894
	Month 18				749	749													8,511	433,205	466,192
	Month 19				749	749													8,511	441,946	477,490
	Month 20				749	749													8,511	450,687	488,788
	Month 21			4,789		2,443	13,628												154,839	464,526	499,627
	Month 22					762	762												8,662	473,188	510,925
	Month 23					762	762												8,662	481,850	522,223
	Month 24			4,789		2,443	36,337	2,462	160										1,640	493,926	533,521
Year 3	Month 25				755	755													8,561	502,082	544,819
	Month 26				755	755													8,561	510,643	556,117
	Month 27				776	776													8,813	519,456	567,415
	Month 28				776	776													8,813	528,269	578,713
	Month 29				776	776					18,150								8,813	537,082	590,011
	Month 30				786	786													8,929	545,895	601,309
	Month 31				786	786													8,929	554,708	612,607
	Month 32				806	806													9,154	563,521	623,905
	Month 33			4,789		2,443	8,038												0	572,334	635,203
	Month 34					0	0												0	581,147	646,501
	Month 35					0	0												0	590,000	657,800
	Month 36					0	0												0	598,813	669,098
Year 4	Month 37		4,789		2,443	0	2,462	1,513										0	607,626	680,396	
	Month 38				0	0												0	616,439	691,695	
	Month 39				0	0												0	625,252	702,993	
	Month 40		4,789		2,443	65,392	5,605											0	634,065	714,291	
	Month 41				0	0												0	642,878	725,590	

TOTAL COSTS:	62,255	18,150	1,640	295,200	7,367	5,980	4,538	18,150	1,640	295,200
Revenue Service Commences				371,540						371,540
Contingency Fund (20% vendor capital cost):				666,743						666,743
TOTAL COSTS (with 20% contingency):				1,857,716						1,857,716

TOTAL (Shared + Vendor)	821,316	2,152,916	2,152,916	3,743,544
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TOTAL COSTS (with 20% contingency):	2,524,459
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RFCS SYSTEM IMPLEMENTATION - VENDOR PAYMENT SCHEDULE

WSF
1-21-03

6 agencies

Year	Month	Project Mgmt.	Perf. Security	VENDOR COSTS						Vendor Payments						
				Implementation Phase 1	Implementation Phase 2	Integration & Reporting	Training Development	Classes	Equipment	Installation	Fare Cards	TVM Cost/Credit	Subtotal	Cumulative Total	Monthly Payments	Cumulative Payments
Year 1	Month 1	0	0	50,693		4,785								0	0	0
	Month 2	33,282	723											34,005	34,005	68,478
	Month 3	33,282	723											34,005	68,483	102,481
	Month 4	33,282	723											34,005	102,488	136,486
	Month 5	9,395	723											10,117	112,603	146,603
	Month 6	9,395	723											10,117	122,720	156,720
	Month 7	9,395	723											10,325	133,045	167,045
	Month 8	9,395	723											10,325	143,370	177,370
	Month 9	9,602	723											9,910	153,280	187,280
	Month 10	9,602	723											9,910	163,190	197,190
	Month 11	9,602	723											9,910	173,100	207,100
	Month 12	9,187	723											9,910	183,010	217,010
Year 2	Month 13	9,187	723											9,910	192,920	226,920
	Month 14	9,187	723											9,910	202,830	236,830
	Month 15	7,110	723	91,040		7,177								9,910	212,740	246,740
	Month 16	7,110	723											7,832	222,572	256,572
	Month 17	7,110	723											7,832	232,404	266,404
	Month 18	6,902	723											7,625	242,029	276,029
	Month 19	6,902	723											7,625	251,654	285,654
	Month 20	6,902	723											7,625	261,279	295,279
	Month 21	6,902	858	121,368		9,570								7,625	270,904	304,904
	Month 22	6,902	858											7,660	280,564	314,564
	Month 23	6,902	858											7,660	290,224	324,224
	Month 24	6,694	993	211,368		9,570		13,116	2,750	10,006	1,003			7,688	300,000	333,900
Year 3	Month 25	6,694	993											7,688	309,688	343,588
	Month 26	6,694	993											7,688	319,376	353,276
	Month 27	6,902	993											7,896	329,272	363,172
	Month 28	6,902	993											7,896	339,168	373,068
	Month 29	6,902	993											7,896	349,064	382,964
	Month 30	7,006	993											7,999	359,063	392,963
	Month 31	7,006	993											7,999	369,062	402,962
	Month 32	7,006	993											7,999	379,061	412,961
	Month 33	8,712	993											9,706	389,000	422,900
	Month 34	8,712	993											9,706	399,000	432,900
	Month 35	8,712	993											9,706	409,000	442,900
	Month 36	8,712	993											9,706	419,000	452,900
	Month 37	8,712	993											9,706	429,000	462,900
	Month 38	8,712	993											9,706	439,000	472,900
	Month 39	5,908	993	212,826	81,196	16,747	86,376	38,974	38,974	38,974	38,974			88,823	527,823	566,746
TOTAL COSTS:			367,131	40,012	606,930	81,136	47,848	13,116	59,125	355,109	49,077	40,854	4,377	1,864,715	1,864,715	1,864,715

Revenue Service Commences
12 mos. \$2m L of C.

RFCFS SYSTEM IMPLEMENTATION - SHARED AND TOTAL COST SCHEDULE

WSF

6 agencies

5.42%

1-21-03

Summary from Page 1

Year	Month	Payment Milestones	OTHER SHARED COSTS										Escrow Acct.	Project Eval.	Marketing Consult.	TVM Consult.	Shared Costs		
			Project Mgmt.	ST Funds Mgmt.	Tech. Consult.	Sales Tax (8.6%)	Dispute Board	Escrow Acct.	Project Eval.	Marketing Consult.	TVM Consult.	Cost Subtotal					Cumulative Cost		
Year 1	Month 1	Schedule Acceptance	4,290			2,189	5,762	0			201						5,963	0	5,963
	Month 2					2,992	2,992	15,434								9,471	15,434	24,905	
	Month 3					2,992	2,992	21,419								34,005	33,411	67,416	
	Month 4					890	890	28,758								10,117	37,510	105,926	
	Month 5					890	890	33,879								10,117	47,629	153,555	
	Month 6					909	909	30,669								10,325	58,298	211,853	
	Month 7					909	909	37,556								10,325	68,623	280,476	
	Month 8					872	872	43,320								9,910	78,533	358,989	
	Month 9					872	872	50,666								9,910	88,443	447,432	
	Month 10					872	872	58,241								9,910	98,353	545,785	
	Month 11					689	689	66,340								106,049	105,042	650,827	
	Month 12					689	689	73,927								106,049	114,971	765,808	
	Month 13					671	671	81,514								107,882	125,853	891,661	
	Month 14					671	671	89,101								107,882	136,735	1,028,396	
	Month 15					671	671	96,688								107,882	147,617	1,176,013	
	Month 16					671	671	104,275								107,882	158,500	1,323,633	
	Month 17					671	671	111,862								107,882	169,382	1,471,253	
	Month 18					671	671	119,450								107,882	180,264	1,618,873	
	Month 19					671	671	127,037								107,882	191,146	1,766,493	
	Month 20					671	671	134,625								107,882	202,028	1,914,113	
	Month 21					671	671	142,212								107,882	212,910	2,061,733	
	Month 22					671	671	149,800								107,882	223,792	2,209,353	
	Month 23					671	671	157,387								107,882	234,674	2,356,973	
	Month 24					671	671	164,975								107,882	245,556	2,504,593	
	Month 25					671	671	172,562								107,882	256,438	2,652,213	
	Month 26					671	671	180,150								107,882	267,320	2,800,833	
	Month 27					671	671	187,737								107,882	278,202	2,948,453	
	Month 28					671	671	195,325								107,882	289,084	3,096,073	
	Month 29					671	671	202,912								107,882	300,966	3,243,693	
	Month 30					671	671	210,500								107,882	312,848	3,391,313	
	Month 31					671	671	218,087								107,882	324,730	3,538,933	
	Month 32					671	671	225,675								107,882	336,612	3,686,553	
	Month 33					671	671	233,262								107,882	348,494	3,834,173	
	Month 34					671	671	240,850								107,882	360,376	3,981,793	
	Month 35					671	671	248,437								107,882	372,258	4,129,413	
	Month 36					671	671	256,025								107,882	384,140	4,277,033	
	Month 37					671	671	263,612								107,882	396,022	4,424,653	
	Month 38					671	671	271,200								107,882	407,904	4,572,273	
	Month 39					671	671	278,787								107,882	419,786	4,719,893	
Year 4	Month 39	Full System Acceptance	4,290			2,189	58,598	5,022								70,099	1,664,715	6,384,608	

TOTAL COSTS:
Revenue Service Commences

55,772 b.d. 28,455 146,495 6,618 5,386 4,065 16,260 1,468 264,499 264,499

1,929,214 1,929,214

Contingency Fund (20% vendor capital cost):
332,843

597,442 597,442

1,664,715 1,664,715

TOTAL COSTS (with 20% contingency):
2,262,158

Page 2

PT
1-21-03

6 agencies

RFCS SYSTEM IMPLEMENTATION - VENDOR PAYMENT SCHEDULE

Year 1	Month	Payment Milestones	Project Mgmt.	Perf. Security	VENDOR COSTS										Vendor Payments			
					Phase 1	Phase 2	Integration & Reporting	Development	Training Classes	Equipment	Installation	Fare Cards	TVM Cost/Credit	Subtotal	Cumulative Total	Monthly Payments	Cumulative Payments	
Year 1	Month 1	Schedule Acceptance	0	0													0	0
1 Quarter	Month 2		54,652	1,187	7,897												107,519	107,519
	Month 3		54,652	1,187													55,839	163,357
	Month 4		54,652	1,187													55,839	219,196
2 Quarter	Month 5		15,427	1,187													55,839	275,034
	Month 6		15,427	1,187													16,613	291,648
3 Quarter	Month 7		15,427	1,187													16,613	308,261
	Month 8		15,427	1,187													16,613	324,875
	Month 9		15,768	1,187													16,955	341,829
4 Quarter	Month 10		15,768	1,187													16,955	358,784
	Month 11		15,086	1,187													16,955	375,738
	Month 12		15,086	1,187													16,272	392,011
Year 2	Month 13		15,086	1,187													16,272	408,283
	Month 14		15,086	1,187													16,272	424,555
5 Quarter	Month 15	Design Acceptance	11,675	1,187	11,785	149,493											174,140	598,695
	Month 16		11,675	1,187													12,861	611,556
	Month 17		11,675	1,187													12,861	624,418
6 Quarter	Month 18		11,334	1,187													12,520	636,938
	Month 19		11,334	1,187													12,520	649,459
	Month 20		11,334	1,187													12,520	661,979
7 Quarter	Month 21	Beta Test Readiness	11,334	1,409	15,714	189,324											227,760	889,739
	Month 22		11,334	1,409													12,742	902,502
	Month 23		11,334	1,409													12,742	915,244
8 Quarter	Month 24	Beta Test Acceptance	10,593	1,409	15,714	189,524	5,500	21,538	5,500	155,034	5,214	1,647					416,972	1,332,216
Year 3	Month 25		10,593	1,631													12,624	1,344,840
	Month 26		10,593	1,631													12,624	1,357,464
9 Quarter	Month 27		11,334	1,631													12,965	1,370,429
	Month 28		11,334	1,631													12,965	1,383,394
	Month 29		11,334	1,631													12,965	1,396,359
10 Quarter	Month 30		11,504	1,631													13,136	1,409,494
	Month 31		11,504	1,631													13,136	1,422,630
	Month 32		11,504	1,631													13,136	1,435,765
11 Quarter	Month 33	Installation Complete	14,306	1,631													15,937	1,451,702
	Month 34		14,306	1,631													15,937	1,467,639
	Month 35		14,306	1,631													15,937	1,483,577
12 Quarter	Month 36		14,306	1,631													15,937	1,499,514
Year 4	Month 37		14,306	1,631													15,937	1,515,451
	Month 38		14,306	1,631													15,937	1,531,388
13 Quarter	Month 39	Full System Acceptance	9,701	1,631	27,499	348,817	103,230	46,760	483,155	19,216	85,439	7,187					1,075,302	2,606,255
	Month 40	12 mos. \$2m L of C.	14,241															2,686,255

TOTAL COSTS: Revenue Service Commences

RFCFS SYSTEM IMPLEMENTATION - SHARED AND TOTAL COST SCHEDULE

PT

6 agencies

1-21-03

8.90%

Summary from Page 1

Year	Month	Project Mgmt.	ST Funds Mgmt.	Tech. Consult.	Sales Tax (8.6%)	Dispute Board	Escrow Acct.	Project Eval.	Marketing	TVM Consult.	Shared Costs		TOTAL (Shared + Vendor)	
											Cost Subtotal	Cumulative Cost		
Year 1	Month 1	7,045			9,462		329				9,791	0	0	
	Month 2			3,584	4,514						15,553	9,791	117,310	
	Month 3											15,553	71,591	
	Month 4				4,914							4,914	20,465	243,453
	Month 5				4,914							9,828	30,293	310,206
	Month 6			3,584	1,462							5,046	28,714	338,920
	Month 7				1,462							1,462	18,075	356,995
	Month 8				1,462							2,924	18,075	375,071
	Month 9			3,584	1,492							5,076	29,085	404,156
	Month 10				1,492							1,492	18,446	422,603
	Month 11				1,492							2,984	18,446	441,049
	Month 12				1,492	3,622						5,114	34,191	475,240
Year 2	Month 13			3,584	1,432						5,016	17,704	492,944	
	Month 14				1,432						1,432	17,704	510,648	
	Month 15			3,584	15,324						18,908	200,103	710,751	
	Month 16				1,132						1,132	13,993	724,745	
	Month 17				1,132						2,264	13,993	738,738	
	Month 18			3,584	1,102						4,686	24,261	762,999	
	Month 19				1,102						1,102	13,622	776,621	
	Month 20				1,102						2,204	13,622	790,244	
	Month 21			3,584	20,045						23,629	258,464	1,048,707	
	Month 22				1,121						1,121	13,864	1,062,571	
	Month 23				1,121						2,242	13,864	1,076,435	
	Month 24			3,584	36,693	3,622	2,412				416,972	472,799	1,549,234	
Year 3	Month 25				1,111						1,111	13,735	1,562,969	
	Month 26				1,111						2,222	13,735	1,576,703	
	Month 27			3,584	1,441				26,700		51,445	151,445	1,628,148	
	Month 28				1,441						1,441	14,106	1,642,254	
	Month 29				1,441						2,882	14,106	1,656,360	
	Month 30			3,584	1,156						4,738	24,930	1,681,290	
	Month 31				1,156						1,156	14,291	1,695,582	
	Month 32				1,156						2,312	14,291	1,709,873	
	Month 33			3,584	16,593						17,905	203,419	1,913,293	
	Month 34				0						0	0	300,340	
	Month 35				0						0	0	300,340	
	Month 36			3,584	0	3,622			2,225			16,486	0	316,826
Year 4	Month 37				0						0	0	0	
	Month 38				0						0	0	0	
	Month 39			3,584	94,627		8,246				115,511	1,188,813	3,118,592	

TOTAL COSTS:
Revenue Service Commences

91,581 l.b.d. 46,725 236,566 10,867 8,811 6,875 26,700 2,412 430,337

Contingency Fund (20% vendor capital cost):

537,651

TOTAL COSTS (with 20% contingency):

967,988

3,118,592

537,651

3,656,243

2,868,255

3,656,255

Attachment No. 4

**“Grant Revenue Summary and
Individual Agency Shares”**

REGIONAL FARE COORDINATION PROJECT
 Grant Funds Available for Implementation in the Region
 Total All Agencies

DRAFT

1/22/2003

Grant/Source	Match %	Total Award	Match req.	Grant & Match	Remaining Grant Award	Remaining Match Req.	Remaining Grant & Match	Notes
FEDERAL GRANTS								
Section 5307								
1. WA-90-X194 (Met 68)	20.0%	\$200,000	\$50,000	\$250,000	\$149,291	\$37,323	\$186,614	
2. Seattle/Everett UZA (MET-88X) - See (1)	20.0%	\$4,600,000	\$1,150,000	\$5,750,000	\$4,600,000	\$1,150,000	\$5,750,000	
3. WA-90-X207 (MET-88)	20.0%	\$2,283,000	\$570,750	\$2,853,750	\$2,283,000	\$570,750	\$2,853,750	
4. WA-90-X214 (MET-88A)	20.0%	\$616,667	\$154,167	\$770,834	\$616,667	\$154,167	\$770,834	
5. WA-90-X218 (MET-88B) - See (5)	20.0%	\$100,000	\$25,000	\$125,000	\$100,000	\$25,000	\$125,000	
6. WA-90-X262 (MET-88C) - See (2)	20.0%	\$1,000,000	\$250,000	\$1,250,000	\$1,000,000	\$250,000	\$1,250,000	
7. WA-90-X182 (PT-56) - See (5)	20.0%	\$891,000	\$222,750	\$1,113,750	\$827,000	\$206,750	\$1,033,750	
Subtotal Section 5307		\$9,690,667	\$2,422,667	\$12,113,334	\$9,575,958	\$2,399,990	\$11,969,948	
CMAQ								
8. WA-90-X174 (MET-21) - See (3)	13.5%	\$646,000	\$100,821	\$746,821	\$646,000	\$100,821	\$746,821	
9. WA-90-X174 (MET-21)	13.5%	\$40,000	\$6,243	\$46,243	\$40,000	\$6,243	\$46,243	
10. WA-90-X254-01 (MET-88)	13.5%	\$2,000,000	\$312,139	\$2,312,139	\$2,000,000	\$312,139	\$2,312,139	
Subtotal CMAQ		\$2,686,000	\$419,202	\$3,105,202	\$2,686,000	\$419,202	\$3,105,202	
ITS/5288 - Deployment								
11. ITS (2000) - See (4)	50.0%	\$2,437,905	\$2,437,905	\$4,875,810	\$2,437,905	\$2,437,905	\$4,875,810	
12. ITS (2001) - See (4)	50.0%	\$1,988,411	\$1,988,411	\$3,976,822	\$1,988,411	\$1,988,411	\$3,976,822	
Subtotal ITS		\$4,426,316	\$4,426,316	\$8,852,632	\$4,426,316	\$4,426,316	\$8,852,632	
Total Federal Grants		\$16,802,983	\$7,268,185	\$24,071,168	\$16,688,274	\$7,239,508	\$23,927,782	
NON-FEDERAL GRANTS								
13. Boeing/Everett Mitigation Fund - See (4)	N/A	\$500,000	\$0	\$500,000	\$500,000	\$0	\$500,000	
14. Sound Transit Technology Fund - See (4)	N/A	\$3,000,000	\$0	\$3,000,000	\$3,000,000	\$0	\$3,000,000	
Total Non-Federal Grants		\$3,500,000	\$0	\$3,500,000	\$3,500,000	\$0	\$3,500,000	
GRAND TOTAL ALL GRANTS		\$20,302,983	\$7,268,185	\$27,571,168	\$20,188,274	\$7,239,508	\$27,427,782	

Notes:

- (1) MET-88X is divided to make up funds sub-granted to other agencies in previously obligated KC grants that will now be retained by KC.
 - (2) Was WA-90-X216 (WSF grant de-obligated and re-obligated to KC METRO). Funds returned to WSF through MET-88X funds.
 - (3) This grant was evenly split between CT & PT per previous agreement, but all funds will now remain with KC. Funds from MET-88X (Line 2) will replace for both CT and PT.
 - (4) Revised proposed 6 agency FY2003 billing formula KC-56.77%, ST-10.96%, CT-11.90%, PT-8.90%, WSF-5.42%, KT-6.05%.
 - (5) ET withdrew from the project 7/29/02. No determination at this point regarding status of their grant funds to the Regional Fare Project.
- Grant Formula Distribution** - Current distribution is for allocation of final implementation costs.
- Pass-Thru** - Agencies have indicated a preference to have these funds dispersed at the time of contract award to the vendor to obligate individually.

REGIONAL FARE COORDINATION PROJECT
Grant Funds Available for Implementation in the Region
King County Metro

DRAFT

1/22/03

Grant/Source	Match %	Total Award	Matched	Grant & Match	Remaining Grant Award	Remaining Match Req	Remaining Grant & Match	Notes
FEDERAL GRANTS								
Section 5307								
1. WA-90-X194 (Met 88)	20.0%	\$200,000	\$50,000	\$250,000	\$149,291	\$37,323	\$186,614	
2. Seattle/Everett UJA (MET-88X) - See (1)	20.0%	\$100,820	\$25,205	\$126,025	\$100,820	\$25,205	\$126,025	KC portion less distributions on lines 6,8,10
3. WA-90-X207 (MET-88)	20.0%	\$2,283,000	\$570,750	\$2,853,750	\$2,283,000	\$570,750	\$2,853,750	
4. WA-90-X214 (MET-88A)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
5. WA-90-X218 (MET-88B) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
6. WA-90-X262 (MET-88C) - See (2)	20.0%	\$1,000,000	\$250,000	\$1,250,000	\$1,000,000	\$250,000	\$1,250,000	
7. WA-90-X182 (PT-56) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal Section 5307		\$3,583,820	\$895,955	\$4,479,775	\$3,533,111	\$883,278	\$4,416,389	
CMAQ								
8. WA-90-X174 (MET-21) - See (3)	13.5%	\$646,000	\$100,821	\$746,821	\$646,000	\$100,821	\$746,821	CT & PT- get \$323k each per previous agreement
9. WA-90-X174 (MET-21)	13.5%	\$40,000	\$6,243	\$46,243	\$40,000	\$6,243	\$46,243	
10. WA-90-X254-01 (MET-88)	13.5%	\$2,000,000	\$312,139	\$2,312,139	\$2,000,000	\$312,139	\$2,312,139	Each agency look distribution, part of MET-88.
Subtotal CMAQ		\$2,686,000	\$419,202	\$3,105,202	\$2,686,000	\$419,202	\$3,105,202	
ITS \$288 - Deployment								
11. ITS (2000) - See (4)	50.0%	\$1,383,999	\$1,383,999	\$2,767,998	\$1,383,999	\$1,383,999	\$2,767,998	
12. ITS (2001) - See (4)	50.0%	\$1,128,821	\$1,128,821	\$2,257,642	\$1,128,821	\$1,128,821	\$2,257,642	
Subtotal ITS		\$2,512,820	\$2,512,820	\$5,025,640	\$2,512,820	\$2,512,820	\$5,025,640	
Total Federal Grants		\$8,782,640	\$3,827,977	\$12,610,617	\$8,731,931	\$3,815,300	\$12,547,231	
NON-FEDERAL GRANTS								
13. Boeing/Everett Mitigation Fund - See (4)	N/A	\$283,850	\$0	\$283,850	\$283,850	\$0	\$283,850	
14. Sound Transit Technology Fund - See (4)	N/A	\$1,703,100	\$0	\$1,703,100	\$1,703,100	\$0	\$1,703,100	
Total Non-Federal Grants		\$1,986,950	\$0	\$1,986,950	\$1,986,950	\$0	\$1,986,950	
GRAND TOTAL ALL GRANTS		\$10,769,590	\$3,827,977	\$14,597,567	\$10,718,881	\$3,815,300	\$14,534,181	

Notes:

- MET-88X divided to make up funds sub-granted to other agencies in previously obligated KC grants now retained by KC, including funds in WA-90-X254-01. \$1,000,000 returned to WSF to make up for WA-90-X216.
 - Was WA-90-X216 (WSF grant de-obligated and re-obligated to KC METRO). Funds returned to WSF through MET-88X funds.
 - This grant was evenly split between CT & PT per previous agreement, but all funds will now remain with KC. Funds from MET-88X (Line 2) will replace for both CT and PT.
 - Revised proposed 6 agency FY2003 billing formula KC-56.77%, ST-10.96%, CT-11.90%, PT-8.90%, WSF-5.42%, KT-6.05%.
 - ET withdrew from the project 7/29/02. No determination at this point regarding status of their grant funds to the Regional Fare Project.
- Grant Formula Distribution** - Current distribution is for allocation of final implementation costs.
Pass-Thru - Agencies have indicated a preference to have these funds dispersed at the time of contract award to the vendor to obligate individually.

REGIONAL FARE COORDINATION PROJECT
Grant Funds Available for Implementation in the Region
Sound Transit

DRAFT

1/22/03

Grant/Source	Match %	Grant Award	Match Req	Grant & Match	Remaining Grant Award	Remaining Match Req	Remaining Grant & Match	Notes
FEDERAL GRANTS								
Section: 5307								
1. WA-90-X194 (Met 66)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
2. Seattle/Everett UZA (MET-88X) - See (1)	20.0%	\$723,360	\$180,840	\$904,200	\$723,360	\$180,840	\$904,200	Includes \$219.2k from line 10.
3. WA-90-X207 (MET-88)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
4. WA-90-X214 (MET-88A)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
5. WA-90-X218 (MET-88B) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
6. WA-90-X262 (MET-88C) - See (2)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
7. WA-90-X182 (PT-56) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal Section 5307		\$723,360	\$180,840	\$904,200	\$723,360	\$180,840	\$904,200	
CMAQ								
8. WA-90-X174 (MET-21) - See (3)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	
9. WA-90-X174 (MET-21)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	
10. WA-90-X254-01 (MET-88)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	Amount from here in line 2
Subtotal CMAQ		\$0	\$0	\$0	\$0	\$0	\$0	
ITS 5288 - Deployment								
11. ITS (2000) - See (4)	50.0%	\$267,194	\$267,194	\$534,388	\$267,194	\$267,194	\$534,388	
12. ITS (2001) - See (4)	50.0%	\$217,930	\$217,930	\$435,860	\$217,930	\$217,930	\$435,860	
Subtotal ITS		\$485,124	\$485,124	\$970,248	\$485,124	\$485,124	\$970,248	
Total Federal Grants		\$1,208,484	\$665,964	\$1,874,448	\$1,208,484	\$665,964	\$1,874,448	
NON-FEDERAL GRANTS								
13. Boeing/Everett Mitigation Fund - See (4)	N/A	\$54,800	\$0	\$54,800	\$54,800	\$0	\$54,800	
14. Sound Transit Technology Fund - See (4)	N/A	\$328,800	\$0	\$328,800	\$328,800	\$0	\$328,800	
Total Non-Federal Grants		\$383,600	\$0	\$383,600	\$383,600	\$0	\$383,600	
GRAND TOTAL ALL GRANTS		\$1,592,084	\$665,964	\$2,258,048	\$1,592,084	\$665,964	\$2,258,048	

Notes:

- (1) MET-88X divided to make up funds sub-granted to other agencies in previously obligated KC grants now retained by KC, including funds in WA-90-X254-01.
 - (2) Was WA-90-X216 (WSF grant de-obligated and re-obligated to KC METRO). Funds returned to WSF through MET-88X funds.
 - (3) This grant was evenly split between CT & PT per previous agreement, but all funds will now remain with KC. Funds from MET-88X (Line 2) will replace for both CT and PT.
 - (4) Revised proposed 6 agency FY2003 billing formula KC-56.77%, ST-10.96%, CT-11.90%, PT-8.90%, WSF-5.42%, PT-6.05%.
 - (5) ET withdrew from the project 7/29/02. No determination at this point regarding status of their grant funds to the Regional Fare Project.
- Grant Formula Distribution** - Current distribution is for allocation of final implementation costs.
- Pass-Thru** - Agencies have indicated a preference to have these funds dispersed at the time of contract award to the vendor to obligate individually.

REGIONAL FARE COORDINATION PROJECT
Grant Funds Available for Implementation in the Region
Community Transit

DRAFT

1/22/03

Grant/Source	Match %	Grant Award	Match Req	Grant & Match	Remaining Grant Award	Remaining Match Req	Remaining Grant & Match	Notes
FEDERAL GRANTS								
Section 5307								
1. WA-90-X194 (Met 68)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
2. Seattle/Everett UZA (MET-88X) - See (1)	20.0%	\$1,108,400	\$277,100	\$1,385,500	\$1,108,400	\$277,100	\$1,385,500	Includes \$323k-line 8, \$238k line 10.
3. WA-90-X207 (MET-88)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
4. WA-90-X214 (MET-88A)	20.0%	\$616,667	\$154,167	\$770,834	\$616,667	\$154,167	\$770,834	
5. WA-90-X218 (MET-88B) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
6. WA-90-X262 (MET-88C) - See (2)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
7. WA-90-X182 (PT-56) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal Section 5307		\$1,725,067	\$431,267	\$2,156,334	\$1,725,067	\$431,267	\$2,156,334	
CMAQ								
8. WA-90-X174 (MET-21) - See (3)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	Amount from here in line 2.
9. WA-90-X174 (MET-21)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	
10. WA-90-X254-01 (MET-88)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	Amount from here in line 2.
Subtotal CMAQ		\$0	\$0	\$0	\$0	\$0	\$0	
ITS 5288 - Deployment								
11. ITS (2000) - See (4)	50.0%	\$290,111	\$290,111	\$580,222	\$290,111	\$290,111	\$580,222	
12. ITS (2001) - See (4)	50.0%	\$236,621	\$236,621	\$473,242	\$236,621	\$236,621	\$473,242	
Subtotal ITS		\$526,732	\$526,732	\$1,053,464	\$526,732	\$526,732	\$1,053,464	
Total Federal Grants		\$2,251,799	\$957,999	\$3,209,798	\$2,251,799	\$957,999	\$3,209,798	
NON-FEDERAL GRANTS								
13. Boeing/Everett Mitigation Fund - See (4)	N/A	\$59,500	\$0	\$59,500	\$59,500	\$0	\$59,500	
14. Sound Transit Technology Fund - See (4)	N/A	\$357,000	\$0	\$357,000	\$357,000	\$0	\$357,000	
Total Non-Federal Grants		\$416,500	\$0	\$416,500	\$416,500	\$0	\$416,500	
GRAND TOTAL ALL GRANTS		\$2,668,299	\$957,999	\$3,626,298	\$2,668,299	\$957,999	\$3,626,298	

Notes:

- MET-88X divided to make up funds sub-granted to other agencies in previously obligated KC grants now retained by KC, including funds in WA-90-X254-01.
 - Was WA-90-X216 (WSF grant de-obligated and re-obligated to KC METRO). Funds returned to WSF through MET-88X funds.
 - This grant was evenly split between CT & PT per previous agreement, but all funds will now remain with KC. Funds from MET-88X (Line 2) will replace for both CT and PT.
 - Revised proposed 6 agency FY2003 billing formula KC-56.77%, ST-10.96%, CT-11.90%, PT-8.90%, WSF-5.42%, KT-6.05%.
 - ET withdrew from the project 7/29/02. No determination at this point regarding status of their grant funds to the Regional Fare Project.
- Grant Formula Distribution** - Current distribution is for allocation of final implementation costs.
Pass-Thru - Agencies have indicated a preference to have these funds dispersed at the time of contract award to the vendor to obligate individually.

REGIONAL FARE COORDINATION PROJECT
Grant Funds Available for Implementation in the Region
Pierce Transit

DRAFT

1/22/03

Grant/Source	Match %	Total Award	Match req	Grant & Match	Remaining Grant Award	Remaining Match Req	Remaining Grant & Match	Notes
FEDERAL GRANTS								
Section 5307								
1. WA-90-X194 (Met 68)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
2. Seattle/Everett UZA (MET-88X) - See (1)	20.0%	\$910,400	\$227,600	\$1,138,000	\$910,400	\$227,600	\$1,138,000	Includes \$329k-line 8, \$178k line 10.
3. WA-90-X207 (MET-88)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
4. WA-90-X214 (MET-88A)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
5. WA-90-X218 (MET-88B) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
6. WA-90-X262 (MET-88C) - See (2)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
7. WA-90-X182 (PT-56) - See (5)	20.0%	\$891,000	\$222,750	\$1,113,750	\$827,000	\$206,750	\$1,033,750	
Subtotal Section 5307		\$1,801,400	\$450,350	\$2,251,750	\$1,737,400	\$434,350	\$2,171,750	
GMAQ								
8. WA-90-X174 (MET-21) - See (3)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	Amount from here in line 2.
9. WA-90-X174 (MET-21)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	
10. WA-90-X254-01 (MET-88)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	Amount from here in line 2.
Subtotal GMAQ		\$0	\$0	\$0	\$0	\$0	\$0	
ITS 5288 - Deployment								
11. ITS (2000) - See (4)	50.0%	\$216,974	\$216,974	\$433,948	\$216,974	\$216,974	\$433,948	
12. ITS (2001) - See (4)	50.0%	\$176,968	\$176,968	\$353,936	\$176,968	\$176,968	\$353,936	
Subtotal ITS		\$393,942	\$393,942	\$787,884	\$393,942	\$393,942	\$787,884	
Total Federal Grants		\$2,195,342	\$844,292	\$3,039,634	\$2,131,342	\$828,292	\$2,959,634	
NON-FEDERAL GRANTS								
13. Boeing/Everett Milligation Fund - See (4)	N/A	\$44,500	\$0	\$44,500	\$44,500	\$0	\$44,500	
14. Sound Transit Technology Fund - See (4)	N/A	\$267,000	\$0	\$267,000	\$267,000	\$0	\$267,000	
Total Non-Federal Grants		\$311,500	\$0	\$311,500	\$311,500	\$0	\$311,500	
GRAND TOTAL ALL GRANTS		\$2,506,842	\$844,292	\$3,351,134	\$2,442,842	\$828,292	\$3,271,134	

Notes:

- (1) MET-88X divided to make up funds sub-granted to other agencies in previously obligated KC grants now retained by KC, including funds in WA-90-X254-01.
 - (2) Was WA-90-X216 (WSF grant de-obligated and re-obligated to KC METRO). Funds returned to WSF through MET-88X funds.
 - (3) This grant was evenly split between CT & PT per previous agreement, but all funds will now remain with KC. Funds from MET-88X (Line 2) will replace for both CT and PT.
 - (4) Revised proposed 6 agency FY2003 billing formula KC-56.77%, ST-10.96%, CT-11.90%, PT-8.90%, WSF-5.42%, KT-6.05%.
 - (5) ET withdrew from the project 7/29/02. No determination at this point regarding status of their grant funds to the Regional Fare Project.
- Grant Formula Distribution** - Current distribution is for allocation of final implementation costs.
Pass-Thru - Agencies have indicated a preference to have these funds dispersed at the time of contract award to the vendor to obligate individually.

REGIONAL FARE COORDINATION PROJECT
Grant Funds Available for Implementation in the Region
Washington State Ferries

DRAFT

1/22/03

Grant/Source	Match %	Total Award	Match/req	Grant & Match	Remaining Grant/Award	Remaining Match/Req	Remaining Grant & Match	Notes
FEDERAL GRANTS								
Section: 5307								
1. WA-90-X194 (Met 68)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
2. Seattle/Everett UZA (MET-88X) - See (1)	20.0%	\$1,357,720	\$339,430	\$1,697,150	\$1,357,720	\$339,430	\$1,697,150	Includes \$108.4K-line 10 and \$1,000,000 of KC MET-88.
3. WA-90-X207 (MET-88)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
4. WA-90-X214 (MET-88A)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
5. WA-90-X218 (MET-88B) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
6. WA-90-X262 (MET-88C) - See (2)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	Equal amount returned to WSF and included in line 2.
7. WA-90-X182 (PT-56) - See (5)	20.0%	\$0	\$0	\$0	\$0	\$0	\$0	
Subtotal Section 5307		\$1,357,720	\$339,430	\$1,697,150	\$1,357,720	\$339,430	\$1,697,150	
CMAQ								
8. WA-90-X174 (MET-21) - See (3)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	
9. WA-90-X174 (MET-21)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	
10. WA-90-X254-01 (MET-88)	13.5%	\$0	\$0	\$0	\$0	\$0	\$0	Amount from here included in line 2.
Subtotal CMAQ		\$0	\$0	\$0	\$0	\$0	\$0	
ITS-5288 - Deployment								
11. ITS (2000) - See (4)	50.0%	\$132,134	\$132,134	\$264,268	\$132,134	\$132,134	\$264,268	
12. ITS (2001) - See (4)	50.0%	\$107,772	\$107,772	\$215,544	\$107,772	\$107,772	\$215,544	
Subtotal ITS		\$239,906	\$239,906	\$479,812	\$239,906	\$239,906	\$479,812	
Total Federal Grants		\$1,597,626	\$579,336	\$2,176,962	\$1,597,626	\$579,336	\$2,176,962	
NON-FEDERAL GRANTS								
13. Boeing/Everett Mitigation Fund - See (4)	N/A	\$27,100	\$0	\$27,100	\$27,100	\$0	\$27,100	
14. Sound Transit Technology Fund - See (4)	N/A	\$162,600	\$0	\$162,600	\$162,600	\$0	\$162,600	
Total Non-Federal Grants		\$189,700	\$0	\$189,700	\$189,700	\$0	\$189,700	
GRAND TOTAL ALL GRANTS		\$1,787,326	\$579,336	\$2,366,662	\$1,787,326	\$579,336	\$2,366,662	

Notes:

- (1) MET-88X divided to make up funds sub-granted to other agencies in previously obligated KC grants now retained by KC, including funds in WA-90-X254-01. Includes \$1,000,000 from KC Metro as returned grant WA-90-X216.
 - (2) Was WA-90-X216 (WSF grant de-obligated and re-obligated to KC METRO). Replaced with \$1,000,000 in MET-88X funds.
 - (3) This grant was evenly split between CT & PT per previous agreement, but all funds will now remain with KC. Funds from MET-88X (Line 2) will replace for both CT and PT.
 - (4) Revised proposed 6 agency FY2003 billing formula KC-56.77%, ST-10.96%, CT-11.90%, PT-8.90%, WSF-5.42%, KT-6.05%.
 - (5) ET withdrew from the project 7/29/02. No determination at this point regarding status of their grant funds to the Regional Fare Project.
- Grant Formula Distribution** - Current distribution is for allocation of final implementation costs.
- Pass-Thru** - Agencies have indicated a preference to have these funds dispersed at the time of contract award to the vendor to obligate individually.

REGIONAL FARE COORDINATION PROJECT

Grant Funds Available for Implementation in the Region

Kitsap Transit

DRAFT

1/22/03

Grant/Source	Match %	Total Award	Match req	Grant & Match	Remaining Grant Award	Remaining Match Req	Remaining Grant & Match	Notes
FEDERAL GRANTS								
Section 5307								
1. WA-90-X194 (Met 68)	20.0%		\$0	\$0			\$0	
2. Seattle/Everett UZA (MET-88X) - See (1)	20.0%	\$399,300	\$99,825	\$499,125	\$399,300	\$99,825	\$499,125	Includes \$121K-line 10.
3. WA-90-X207 (MET-88)	20.0%		\$0	\$0			\$0	
4. WA-90-X214 (MET-88A)	20.0%		\$0	\$0			\$0	
5. WA-90-X218 (MET-88B) - See (5)	20.0%		\$0	\$0			\$0	
6. WA-90-X262 (MET-88C) - See (2)	20.0%		\$0	\$0			\$0	
7. WA-90-X182 (PT-56) - See (5)	20.0%		\$0	\$0			\$0	
Subtotal Section 5307		\$399,300	\$99,825	\$499,125	\$399,300	\$99,825	\$499,125	
CMAQ								
8. WA-90-X174 (MET-21) - See (3)	13.5%		\$0	\$0			\$0	
9. WA-90-X174 (MET-21)	13.5%		\$0	\$0			\$0	
10. WA-90-X254-01 (MET-88)	13.5%		\$0	\$0			\$0	Amount from here included in line 2.
Subtotal CMAQ		\$0	\$0	\$0	\$0	\$0	\$0	
ITS 5288 - Deployment								
11. ITS (2000) - See (4)	50.0%	\$147,493	\$147,493	\$294,986	\$147,493	\$147,493	\$294,986	
12. ITS (2001) - See (4)	50.0%	\$120,299	\$120,299	\$240,598	\$120,299	\$120,299	\$240,598	
Subtotal ITS		\$267,792	\$267,792	\$535,584	\$267,792	\$267,792	\$535,584	
Total Federal Grants		\$667,092	\$367,617	\$1,034,709	\$667,092	\$367,617	\$1,034,709	
NON-FEDERAL GRANTS								
13. Boeing/Everett Mitigation Fund - See (4)	N/A	\$30,250	\$0	\$30,250	\$30,250	\$0	\$30,250	
14. Sound Transit Technology Fund - See (4)	N/A	\$181,500	\$0	\$181,500	\$181,500	\$0	\$181,500	
Total Non-Federal Grants		\$211,750	\$0	\$211,750	\$211,750	\$0	\$211,750	
GRAND TOTAL ALL GRANTS		\$878,842	\$367,617	\$1,246,459	\$878,842	\$367,617	\$1,246,459	

Notes:

- (1) MET-88X divided to make up funds sub-granted to other agencies in previously obligated KC grants now retained by KC, including funds in WA-90-X254-01.
 - (2) Was WA-90-X216 (WSF grant de-obligated and re-obligated to KC METRO). Funds returned to WSF through MET-88X funds.
 - (3) This grant was evenly split between CT & PT per previous agreement, but all funds will now remain with KC. Funds from MET-88X (Line 2) will replace for both CT and PT.
 - (4) Revised proposed 6 agency FY2003 billing formula KC-56.77%, ST-10.96%, CT-11.90%, PT-8.90%, WSF-5.42%, KT-6.05%.
 - (5) ET withdrew from the project 7/29/02. No determination at this point regarding status of their grant funds to the Regional Fare Project.
- Grant Formula Distribution** - Current distribution is for allocation of final implementation costs.
- Pass-Thru** - Agencies have indicated a preference to have these funds dispersed at the time of contract award to the vendor to obligate individually.

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REGIONAL FARE COORDINATION PROJECT
Grant Funds Available for Implementation in the Region
Everett Transit

1/22/03

Grant/Source	Match %	Total Award	Match req	Grant & Match	Remaining Grant Award	Remaining Match Req	Remaining Grant & Match	Notes
FEDERAL GRANTS								
Section 5307								
1. WA-90-X194 (Met 68)	20.0%	\$0	\$0	\$0		\$0	\$0	
2. Seattle/Everett UZA (MET-88X) - See (1)	20.0%	\$0	\$0	\$0		\$0	\$0	Includes \$64k-line 10.
3. WA-90-X207 (MET-88)	20.0%	\$0	\$0	\$0		\$0	\$0	
4. WA-90-X214 (MET-88A)	20.0%	\$0	\$0	\$0		\$0	\$0	
5. WA-90-X218 (MET-88B) - See (5)	20.0%	\$100,000	\$25,000	\$125,000	\$100,000	\$25,000	\$125,000	
6. WA-90-X262 (MET-88C) - See (2)	20.0%	\$0	\$0	\$0		\$0	\$0	
7. WA-90-X182 (PT-56) - See (5)	20.0%	\$0	\$0	\$0		\$0	\$0	
Subtotal Section 5307		\$100,000	\$25,000	\$125,000	\$100,000	\$25,000	\$125,000	
CMAQ								
8. WA-90-X174 (MET-21) - See (3)	13.5%	\$0	\$0	\$0		\$0	\$0	
9. WA-90-X174 (MET-21)	13.5%	\$0	\$0	\$0		\$0	\$0	
10. WA-90-X254-01 (MET-88)	13.5%	\$0	\$0	\$0		\$0	\$0	Amount from here included in line 2.
Subtotal CMAQ		\$0	\$0	\$0	\$0	\$0	\$0	
ITS 5288 Deployment								
11. ITS (2000) - See (4)	50.0%	\$0	\$0	\$0		\$0	\$0	
12. ITS (2001) - See (4)	50.0%	\$0	\$0	\$0		\$0	\$0	
Subtotal ITS		\$0	\$0	\$0	\$0	\$0	\$0	
Total Federal Grants		\$100,000	\$25,000	\$125,000	\$100,000	\$25,000	\$125,000	
NON-FEDERAL GRANTS								
13. Boeing/Everett Mitigation Fund - See (4)	N/A	\$0	\$0	\$0		\$0	\$0	
14. Sound Transit Technology Fund - See (4)	N/A	\$0	\$0	\$0		\$0	\$0	
Total Non-Federal Grants		\$0	\$0	\$0	\$0	\$0	\$0	
GRAND TOTAL ALL GRANTS		\$100,000	\$25,000	\$125,000	\$100,000	\$25,000	\$125,000	

Notes:

- (1) MET-88X divided to make up funds sub-granted to other agencies in previously obligated KC grants now retained by KC, including funds in WA-90-X254-01.
 - (2) Was WA-90-X216 (WSF grant de-obligated and re-obligated to KC METRO). Funds returned to WSF through MET-88X funds.
 - (3) This grant was evenly split between CT & PT per previous agreement, but all funds will now remain with KC. Funds from MET-88X (Line 2) will replace for both CT and PT.
 - (4) Revised proposed 6 agency FY2003 billing formula KC-56.77%, ST-10.96%, CT-11.90%, PT-8.90%, WSF-5.42%, KT-6.05%.
 - (5) ET withdrew from the project 7/29/02. No determination at this point regarding status of their grant funds to the Regional Fare Project.
- Grant Formula Distribution** - Current distribution is for allocation of final implementation costs.
Pass-Thru - Agencies have indicated a preference to have these funds dispersed at the time of contract award to the vendor to obligate individually.

Attachment No. 5

**“Individual Agency Internal
Implementation Cost Estimates”**

**ATTACHMENT 5
RFC INDIVIDUAL AGENCY INTERNAL IMPLEMENTATION COST ESTIMATES**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total
	Site Mgr	Tech Staff Review	Interface Dev.	Finance Reptg. Staff	Cust Service Staff	Legal Counsel	Beta Staff Trng.	Beta Site Prep.	Beta Equip. Inst.	FS Staff Trng.	FS Site Prep.	FS Equip. Inst.	Mktg. Staff Dev. Plan	DDU Toolkit	Travel Penh. Testing	Travel Concord Inspection	CMU Network Charges	
Community Transit	\$244,998	\$135,432	\$123,288	\$70,480	\$77,760	\$49,000	\$15,970	\$9,000	\$31,022	\$34,790	\$9,000	\$87,900	\$30,000	\$6,000	\$6,000	\$2,000	-	\$932,640
King County	\$277,666	\$310,806	\$220,325	\$29,900	\$369,018	-	\$100,000	\$11,102	\$47,198	\$500,000	\$44,008	\$461,637	\$57,024	\$6,500	\$9,000	\$2,000	-	\$2,446,384
Kitsap Transit	\$219,375	\$125,000	\$45,000	\$50,000	\$75,000	-	\$15,000	\$10,000	\$30,000	\$20,000	\$15,000	\$90,000	\$30,000	-	\$6,000	\$2,000	-	\$732,375
Pierce Transit	\$325,000	\$200,000	-	\$88,000	-	-	\$21,000	\$10,000	\$29,000	\$11,000	-	\$122,000	-	\$7,000	\$9,000	-	\$2,000	\$824,000
Sound Transit	\$197,847	\$98,924	\$98,924	\$98,924	\$98,924	-	-	-	-	-	-	-	-	-	-	-	-	\$593,543
WSF	\$260,000	\$113,750	\$43,750	\$50,000	\$21,875	\$40,625	\$55,687	-	\$1,347	\$41,821	-	\$2,827	-	-	-	-	-	\$727,682
Regional Total:	\$1,524,886	\$983,912	\$531,287	\$387,304	\$642,577	\$89,625	\$207,657	\$40,102	\$138,567	\$607,611	\$68,008	\$764,564	\$117,024	\$19,500	\$30,000	\$6,000	\$98,000	\$6,256,624

NOTES:

- The current assumption is that Pierce Transit would implement the smart card fare collection equipment on its regional express service operated on contract for Sound Transit. Therefore Pierce Transit cost estimates are included in this worksheet.
- Sound Transit has proposed (pending its Board approval) to fund some capital and operating costs for Community and Pierce Transit, which may include some of the internal implementation costs shown above. This financial support will be documented in a separate agreement among Sound, Community and Pierce Transit. Contingent upon the final disposition of that agreement, the costs shown in this worksheet may shift from Pierce or Community Transit to Sound Transit.

Attachment No. 6

**“Estimated Individual Agency Operating
Costs and Assumptions”**

REGIONAL

OPERATIONAL COSTS

100.0% Revised BAFO Costs

Failure Rate (5%)

Price per Event	quantities	quantities	Failure Rate (5%)
\$116	2,163	108	
\$460	26	1	
\$460	65	3	
\$354	16	1	
\$354	65	3	
\$138	2,163	108	
\$186	34	1.7	
\$332	18	0.9	
\$115	2,163	108	

Depot Maintenance:

- On-Board FTP
- Stand-Alone FTP - ST config.
- Stand-Alone FTP - WT config.
- Portable FTP - verifier only
- Portable FTP - full function
- DDU
- TVM Integration Kit
- Wireless Data Sys-Base
- Wireless Data Sys-On-Board

On-Site Maintenance:

Monthly Cost/unit	quantities	Monthly Cost
\$45.14	22	\$993
\$138.82	6	\$833
\$52.27	32	\$1,673
\$110.89	10	\$1,109
TOTAL		\$4,608

Technical

Support Maintenance:

Monthly Cost/unit	quantities	Monthly Cost
\$0.58	2,163	\$1,255
\$2.94	91	\$268
\$1.87	81	\$151
\$1.09	2,163	\$2,358
\$2.50	18	\$45
\$0.65	2,163	\$1,406
\$5.39	22	\$119
\$16.57	6	\$99
\$1.17	34	\$40
\$6.24	32	\$200
\$13.23	10	\$132
TOTAL		\$6,072

Software Maintenance:

Monthly Cost/unit	Agency Share	Monthly Cost
\$31,745	100.0%	\$31,745
TOTAL		\$31,745

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$12,545	\$12,922	\$13,309	\$13,709	\$14,120	\$14,544	\$14,980	\$15,429	\$15,892
	\$598	\$616	\$634	\$653	\$673	\$693	\$714	\$735	\$756
	\$1,495	\$1,540	\$1,586	\$1,634	\$1,683	\$1,733	\$1,785	\$1,839	\$1,894
	\$283	\$292	\$300	\$309	\$319	\$328	\$338	\$348	\$359
	\$1,151	\$1,185	\$1,221	\$1,257	\$1,295	\$1,334	\$1,374	\$1,415	\$1,457
	\$14,925	\$15,372	\$15,834	\$16,309	\$16,798	\$17,302	\$17,821	\$18,355	\$18,906
	\$316	\$326	\$335	\$346	\$356	\$367	\$378	\$389	\$401
	\$299	\$308	\$317	\$327	\$336	\$346	\$357	\$367	\$379
	\$12,437	\$12,810	\$13,195	\$13,591	\$13,998	\$14,418	\$14,851	\$15,296	\$15,755
TOTAL	\$44,049	\$45,371	\$46,732	\$48,134	\$49,578	\$51,065	\$52,597	\$54,175	\$55,800
									\$447,499

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$11,917	\$12,274	\$12,643	\$13,022	\$13,413	\$13,815	\$14,229	\$14,656	\$15,096
	\$9,995	\$10,295	\$10,604	\$10,922	\$11,250	\$11,587	\$11,935	\$12,293	\$12,661
	\$20,072	\$20,674	\$21,294	\$21,933	\$22,591	\$23,269	\$23,967	\$24,686	\$25,426
	\$13,307	\$13,706	\$14,117	\$14,541	\$14,977	\$15,426	\$15,889	\$16,366	\$16,857
TOTAL	\$55,290	\$56,949	\$58,658	\$60,417	\$62,230	\$64,097	\$66,020	\$68,000	\$70,040
									\$587,702

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$15,054	\$15,506	\$15,971	\$16,450	\$16,944	\$17,452	\$17,976	\$18,515	\$19,071
	\$3,210	\$3,307	\$3,406	\$3,508	\$3,613	\$3,722	\$3,833	\$3,948	\$4,067
	\$1,818	\$1,872	\$1,928	\$1,986	\$2,046	\$2,107	\$2,170	\$2,235	\$2,303
	\$28,292	\$29,141	\$30,015	\$30,915	\$31,843	\$32,798	\$33,782	\$34,796	\$35,840
	\$540	\$556	\$573	\$590	\$608	\$626	\$645	\$664	\$684
	\$16,871	\$17,378	\$17,899	\$18,436	\$18,989	\$19,559	\$20,145	\$20,750	\$21,372
	\$1,423	\$1,466	\$1,510	\$1,555	\$1,602	\$1,650	\$1,699	\$1,750	\$1,803
	\$1,193	\$1,229	\$1,266	\$1,304	\$1,343	\$1,383	\$1,425	\$1,467	\$1,511
	\$477	\$492	\$506	\$522	\$537	\$553	\$570	\$587	\$605
	\$2,396	\$2,468	\$2,542	\$2,618	\$2,697	\$2,778	\$2,861	\$2,947	\$3,035
	\$1,588	\$1,635	\$1,684	\$1,735	\$1,787	\$1,840	\$1,896	\$1,953	\$2,011
TOTAL	\$72,863	\$75,048	\$77,301	\$79,620	\$82,003	\$84,468	\$87,002	\$89,612	\$92,301
									\$740,225

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940
TOTAL	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940

Services

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$19,439	\$19,925	\$20,423	\$21,036	\$21,667	\$22,317	\$22,986	\$23,676	\$24,386	\$25,118
\$19,439	\$19,925	\$20,423	\$21,036	\$21,667	\$22,317	\$22,986	\$23,676	\$24,386	\$25,118
\$174,951	\$239,100	\$245,076	\$252,423	\$260,001	\$267,981	\$275,935	\$284,110	\$292,634	\$301,413
Regional Annual Cost									

Fixed Fee
Monthly Regional Cost: _____
Agency Share: 100.0%

Regional Annual Cost

Variable Costs
Annual Regional Call Volumes: _____
Call Volumes paid by fixed fee
Call Volumes paid by variable fee
Agency Share: 100.0%
Cost per Call: (over 500/mo)

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
9,520	10,136	10,633	11,092	11,714	12,314	12,880	13,315	13,684	14,042
6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
3,520	4,136	4,633	5,092	5,714	6,314	6,880	7,315	7,684	8,042
\$3.80	\$3.90	\$4.00	\$4.12	\$4.24	\$4.16	\$4.29	\$4.42	\$4.55	\$4.69
\$6,088	\$10,132	\$18,534	\$20,978	\$24,249	\$26,265	\$29,515	\$32,334	\$34,984	\$37,713
Regional Annual Cost									

Fixed Fee
Monthly Regional Cost: _____
Agency Share: 100.0%

Regional Annual Cost

Variable Costs
Annual # of Institutional Programs: _____
Agency Share: 100.0%
Cost per Program:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$13,778	\$14,122	\$14,475	\$14,909	\$15,357	\$15,817	\$16,292	\$16,780	\$17,284	\$17,802
\$13,778	\$14,122	\$14,475	\$14,909	\$15,357	\$15,817	\$16,292	\$16,780	\$17,284	\$17,802
\$124,002	\$169,464	\$173,700	\$178,911	\$184,278	\$189,907	\$195,501	\$201,366	\$207,407	\$213,623
Regional Annual Cost									

Fixed Fee
Monthly Regional Cost: _____
Agency Share: 100.0%

Regional Annual Cost

Variable Costs
Annual # of Institutional Programs: _____
Agency Share: 100.0%
Cost per Program:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1,348	1,368	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
1,348	1,368	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Regional Annual Cost									

Fixed Fee
Monthly Regional Cost: _____
Agency Share: 100.0%

Regional Annual Cost

Variable Costs
Annual # of Card Management: _____
Agency Share: 100.0%
Cost per Card Management:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$6,325	\$6,483	\$6,645	\$6,844	\$7,050	\$7,261	\$7,479	\$7,703	\$7,934	\$8,173
\$6,325	\$6,483	\$6,645	\$6,844	\$7,050	\$7,261	\$7,479	\$7,703	\$7,934	\$8,173
\$56,925	\$72,756	\$79,740	\$82,782	\$84,396	\$87,134	\$89,748	\$92,441	\$95,214	\$98,070
Regional Annual Cost									

Fixed Fee
Monthly Regional Cost: _____
Agency Share: 100.0%

Regional Annual Cost

Variable Costs
Annual # of Card Procurement & Dist: _____
Agency Share: 100.0%
Cost per Card Procurement & Dist:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$11,167	\$11,446	\$11,732	\$12,084	\$12,446	\$12,820	\$13,204	\$13,601	\$14,009	\$14,429
\$11,167	\$11,446	\$11,732	\$12,084	\$12,446	\$12,820	\$13,204	\$13,601	\$14,009	\$14,429
\$100,503	\$137,352	\$140,784	\$145,008	\$149,338	\$153,938	\$158,484	\$163,207	\$168,103	\$173,147
Regional Annual Cost									

Fixed Fee
Monthly Regional Cost: _____
Agency Share: 100.0%

Regional Annual Cost

Variable Costs
Annual # of Shipments: _____
Agency Share: 100.0%
Cost per Shipment:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$40.33	\$41.34	\$42.38	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13	\$50.60	\$52.12
\$242	\$396	\$509	\$524	\$540	\$558	\$572	\$590	\$607	\$625
Regional Annual Cost									

Clearinghouse Services										
Fixed Fee										
Monthly Regional Cost:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 100.0%	\$52,778	\$54,097	\$55,450	\$57,114	\$58,827	\$60,592	\$62,409	\$64,282	\$66,210	\$68,197
Regional Annual Cost	\$52,778	\$54,097	\$55,450	\$57,114	\$58,827	\$60,592	\$62,409	\$64,282	\$66,210	\$68,197
	\$475,002	\$49,164	\$685,400	\$685,362	\$705,923	\$727,101	\$749,914	\$771,361	\$794,922	\$818,358

E-Purse, Pass Payment & Revalue Transactions										
Variable Costs										
Regional Monthly Qty.	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Regional Annual Qty.	7,908,446	8,417,828	8,828,197	9,206,600	9,721,648	10,217,713	10,686,285	11,046,231	11,350,997	11,646,486
Cost per Transaction:	\$0.004	\$0.004	\$0.004	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.003
Regional Annual Cost	\$31,993	\$40,456	\$42,753	\$44,917	\$46,639	\$48,738	\$50,706	\$52,684	\$54,656	\$56,619

Revalue Transactions (3rd party)										
Variable Costs										
Regional Monthly Qty.	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Regional Annual Qty.	24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165
Cost per Transaction:	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04
Regional Annual Cost	\$990	\$1,165	\$1,323	\$1,464	\$1,610	\$1,753	\$1,886	\$2,009	\$2,106	\$2,204

Financial Management										
Fixed Fee										
Monthly Regional Cost:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 100.0%	\$11,556	\$11,844	\$12,141	\$12,505	\$12,880	\$13,267	\$13,665	\$14,075	\$14,497	\$14,932
Regional Annual Cost	\$11,556	\$11,844	\$12,141	\$12,505	\$12,880	\$13,267	\$13,665	\$14,075	\$14,497	\$14,932
	\$104,004	\$142,126	\$145,892	\$150,063	\$154,365	\$159,202	\$163,978	\$168,897	\$173,864	\$179,193

Network Management										
Fixed Fee										
Monthly Regional Cost:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 100.0%	\$13,587	\$13,927	\$14,275	\$14,703	\$15,144	\$15,599	\$16,067	\$16,549	\$17,045	\$17,556
Regional Annual Cost	\$13,587	\$13,927	\$14,275	\$14,703	\$15,144	\$15,599	\$16,067	\$16,549	\$17,045	\$17,556
	\$122,293	\$167,124	\$171,300	\$176,433	\$181,522	\$187,184	\$192,900	\$198,584	\$204,341	\$210,677

Revalue Network Support										
Fixed Fee										
Monthly Regional Cost:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 100.0%	\$10,556	\$10,819	\$11,090	\$11,423	\$11,765	\$12,118	\$12,482	\$12,856	\$13,242	\$13,639
Regional Annual Cost	\$10,556	\$10,819	\$11,090	\$11,423	\$11,765	\$12,118	\$12,482	\$12,856	\$13,242	\$13,639
	\$95,004	\$129,828	\$133,080	\$137,072	\$141,185	\$145,430	\$149,783	\$154,276	\$158,904	\$163,672

Variable Costs										
No. of retail Sites/month:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 100.0%	127	127	127	127	127	127	127	127	127	127
Cost per Site/month:	\$8.10	\$8.30	\$8.51	\$8.77	\$9.03	\$9.30	\$9.58	\$9.87	\$10.16	\$10.47
Regional Annual Cost	\$1,028.7	\$1,064.1	\$1,080.8	\$1,100.8	\$1,123.9	\$1,149.6	\$1,177.9	\$1,208.8	\$1,242.2	\$1,278.1

REGIONAL COST SUMMARY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
DEPOT MAINTENANCE	\$0	\$44,049	\$45,371	\$46,732	\$48,134	\$49,578	\$51,065	\$52,597	\$54,175	\$55,800
ON-CALL MAINTENANCE	\$0	\$55,290	\$56,949	\$58,658	\$60,417	\$62,230	\$64,097	\$66,020	\$68,000	\$70,040
TECHNICAL SUPPORT MAINTENANCE	\$0	\$72,863	\$75,049	\$77,301	\$79,620	\$82,008	\$84,468	\$87,002	\$89,612	\$92,301
SOFTWARE MAINTENANCE	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940	\$380,940
TOTAL MAINTENANCE:	\$380,940	\$553,143	\$558,309	\$563,630	\$569,111	\$574,756	\$580,570	\$586,559	\$592,728	\$599,081

CUSTOMER SERVICE	\$181,639	\$255,232	\$263,610	\$273,407	\$284,250	\$294,066	\$305,350	\$316,445	\$327,598	\$339,129
INSTITUTIONAL PROGRAMS	\$124,002	\$169,464	\$173,700	\$178,911	\$184,278	\$189,807	\$195,501	\$201,366	\$207,407	\$213,629
CARD PROCUREMENT & DIST.	\$100,745	\$137,848	\$141,293	\$145,531	\$149,897	\$154,394	\$159,026	\$163,797	\$168,711	\$173,772
FARE CARD MANAGEMENT	\$56,925	\$77,796	\$79,740	\$82,132	\$84,596	\$87,134	\$89,748	\$92,441	\$95,214	\$98,070
CLEARINGHOUSE SERVICES	\$670,745	\$1,067,197	\$1,105,004	\$1,144,847	\$1,191,884	\$1,115,932	\$1,156,199	\$1,193,038	\$1,228,435	\$1,264,111
FINANCIAL MANAGEMENT	\$104,004	\$142,128	\$145,692	\$150,063	\$154,565	\$159,202	\$163,978	\$168,897	\$173,964	\$179,183
NETWORK MANAGEMENT	\$122,283	\$167,124	\$171,300	\$176,439	\$181,732	\$187,184	\$192,800	\$198,584	\$204,541	\$210,677
REVALUE NETWORK SUPPORT	\$101,176	\$142,477	\$146,049	\$150,438	\$154,946	\$159,593	\$164,383	\$169,318	\$174,388	\$179,628
TOTAL SERVICES:	\$1,461,519	\$2,159,266	\$2,226,388	\$2,301,767	\$2,386,149	\$2,347,312	\$2,426,984	\$2,503,885	\$2,580,257	\$2,658,199

Services	
Fixed Costs	\$1,252,674
Variable Costs	\$208,845
Revised BAFO Costs	\$1,461,519

REGIONAL

Revised BAFO Costs

VENDOR - ANNUAL OPERATING COSTS:	\$1,842,459	\$2,712,409	\$2,784,696	\$2,865,397	\$2,955,260	\$2,922,068	\$3,007,554	\$3,090,444	\$3,172,985	\$3,257,281
(Maintenance & Services)										
SERVICES PROVIDED BY KING COUNTY										

Fixed Fee	
Monthly Regional Cost:	\$67,342
Agency Share: 100.0%	\$67,342
Regional Annual Cost	\$808,098

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Monthly Regional Cost:	\$67,342	\$10,972	\$10,750	\$10,926	\$32,394	\$33,736	\$37,058	\$37,376	\$38,230	\$39,554
Agency Share: 100.0%	\$67,342	\$10,972	\$10,750	\$10,926	\$32,394	\$33,736	\$37,058	\$37,376	\$38,230	\$39,554
Regional Annual Cost	\$808,098	\$131,170	\$129,004	\$131,170	\$388,727	\$404,826	\$444,692	\$448,510	\$459,759	\$474,648

Fixed Fee	
Monthly Regional Cost:	\$3,777
Agency Share: 100.0%	\$3,777
Regional Annual Cost	\$45,324

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Monthly Regional Cost:	\$3,777	\$1,718	\$1,770	\$1,823	\$1,878	\$1,934	\$1,992	\$2,052	\$2,113	\$2,177
Agency Share: 100.0%	\$3,777	\$1,718	\$1,770	\$1,823	\$1,878	\$1,934	\$1,992	\$2,052	\$2,113	\$2,177
Regional Annual Cost	\$45,324	\$20,821	\$21,240	\$21,877	\$22,583	\$23,209	\$23,905	\$24,623	\$25,381	\$26,122

Fixed Fee	
Monthly Regional Cost:	T.B.D.
Agency Share: 100.0%	T.B.D.
Regional Annual Cost	\$0

KCM Services - ANNUAL OPERATING COSTS:	\$853,422	\$1,152,282	\$1,150,244	\$1,152,987	\$414,260	\$428,035	\$468,597	\$473,133	\$484,120	\$500,770
TOTAL ANNUAL OPERATING COSTS:	\$2,695,981	\$2,864,691	\$2,934,940	\$3,018,384	\$3,366,520	\$3,350,103	\$3,476,151	\$3,563,577	\$3,657,105	\$3,758,051

(Vendor and KCM services)

KCM Service Assumptions:

1. Estimates for Year 1 (2005) are preliminary. Actual costs will depend greatly upon roll-out strategy, institutional account demographics, and other variables.
2. Estimates for Year 1 (2005) assume incentives are established to encourage unaffiliated customers to obtain their cards via telephone, mail or internet.
3. Estimates for Year 1 (2005) assume aggressive marketing campaign to smaller institutional programs.
4. Estimates for Year 1 (2005) assume that EDPasses are distributed to the institution rather than to the individual.
5. Estimates include costs for marketing materials (information packets, etc.) These costs are based on the preliminary concepts developed by KCM marketing staff, actual costs may differ when the regional plan is established.
6. King County's cost estimates are based upon ridership and cash conversion assumptions (including RRFPP) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. This data was used to insure that KCM estimates are consistent with other pricing estimates for the project. Actual costs will be used once they are known.
7. For the King County Card Procurement, Inventory, Warehousing and Distribution Option, there will be an increase in capital costs to include modifications required to CARM for inventory management (\$72,319).

ASSUMPTION WORKSHEET NO. 1

PROJECTED RIDERSHIP AND ASSUMPTIONS

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Community Transit	7,263,529	7,336,164	7,702,973	7,895,547	7,974,502	8,054,247	8,134,790	8,216,138	8,298,299	8,381,282	8,465,095	8,549,746	8,635,243	8,721,596
pass trips (62%)	4,503,388	4,548,422	4,775,843	4,895,239	4,944,191	4,993,633	5,043,570	5,094,006	5,144,945	5,196,395	5,248,359	5,300,843	5,353,851	5,407,390
cash trips (38%)	2,760,141	2,787,742	2,927,130	3,000,308	3,030,311	3,060,614	3,091,220	3,122,132	3,153,354	3,184,887	3,216,736	3,248,903	3,281,392	3,314,206
Everett Transit	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pass trips (36%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cash trips (64%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
King County Metro	0	93,582,960	94,099,380	94,905,504	95,951,868	97,220,064	97,605,552	98,024,742	98,820,432	99,531,672	100,223,064	100,902,948	101,587,444	102,296,556
pass trips (62%)	0	58,021,435	58,341,616	58,841,412	59,490,158	60,276,440	60,515,442	60,773,461	61,268,668	61,709,637	62,138,300	62,559,828	62,984,215	63,425,105
cash trips (38%)	0	35,561,525	35,757,764	36,064,092	36,461,710	36,943,624	37,090,110	37,248,281	37,551,764	37,822,035	38,084,764	38,343,120	38,603,229	38,873,451
Pierce Transit	11,717,261	11,650,336	12,131,000	12,492,000	12,333,000	12,578,000	12,828,000	13,083,000	13,343,000	13,609,000	13,881,000	14,158,620	14,441,792	14,730,628
pass trips (36%)	4,216,214	4,194,121	4,367,160	4,497,120	4,439,880	4,528,080	4,618,080	4,709,880	4,803,480	4,899,240	4,997,160	5,097,103	5,199,045	5,303,026
cash trips (64%)	7,499,047	7,456,215	7,763,840	7,994,880	7,893,120	8,049,920	8,209,920	8,373,120	8,539,520	8,709,760	8,883,840	9,061,517	9,242,747	9,427,602
Sound Transit	6,312,744	7,848,300	8,825,361	9,519,624	10,277,451	11,366,330	12,048,926	12,634,936	15,724,424	18,877,454	21,674,093	22,834,409	23,298,470	23,866,347
pass trips (63%)	3,977,029	4,944,429	5,559,977	5,997,363	6,474,794	7,160,788	7,590,823	7,960,010	9,906,387	11,854,996	13,654,679	14,385,678	14,678,036	15,035,799
cash trips (37%)	2,335,715	2,903,871	3,265,384	3,522,261	3,802,657	4,205,542	4,458,103	4,674,926	5,818,037	6,962,458	8,019,414	8,448,731	8,620,434	8,830,548
WSF	3,602,239	3,638,261	3,674,644	3,711,390	3,748,504	3,785,989	3,823,849	3,862,088	3,900,709	3,939,716	3,979,113	4,018,904	4,059,093	4,099,684
pass trips (50%)	1,801,120	1,819,131	1,837,322	1,855,695	1,874,252	1,892,995	1,911,925	1,931,044	1,950,354	1,969,858	1,989,556	2,009,452	2,029,547	2,049,842
cash trips (50%)	1,801,120	1,819,131	1,837,322	1,855,695	1,874,252	1,892,995	1,911,925	1,931,044	1,950,354	1,969,858	1,989,556	2,009,452	2,029,547	2,049,842
Kitsap Transit	3,470,802	3,492,202	3,513,602	3,535,002	3,556,402	3,577,802	3,599,202	3,620,602	3,642,002	3,663,402	3,684,802	3,706,202	3,727,602	3,749,002
pass trips (69%)	2,394,853	2,409,619	2,424,385	2,439,151	2,453,917	2,468,683	2,483,449	2,498,215	2,512,981	2,527,747	2,542,513	2,557,279	2,572,045	2,586,811
cash trips (31%)	1,075,949	1,082,583	1,089,217	1,095,851	1,102,485	1,109,119	1,115,753	1,122,387	1,129,021	1,135,655	1,142,289	1,148,923	1,155,557	1,162,191
TOTALS:														
Annual Ridership:	32,366,575	127,548,223	129,946,960	132,059,067	133,844,727	136,582,432	138,040,319	139,438,476	143,728,866	147,942,526	151,907,167	154,170,829	157,749,644	157,463,813
pass trips	16,894,604	75,937,157	77,306,304	78,525,981	79,677,193	81,320,619	82,163,289	82,966,616	85,586,816	88,157,873	90,570,567	91,910,183	92,816,739	93,807,972
cash trips	15,471,971	51,611,066	52,640,656	53,533,086	54,167,534	55,261,814	55,877,030	56,471,860	58,142,050	59,784,653	61,336,600	62,260,646	62,932,905	63,657,841

ASSUMPTIONS

RIDERSHIP GROWTH	ASSUMPTIONS
Community Transit	o Ridership numbers for each specific year provided by CT
Everett Transit	o 2% annual growth from 2001 to 2014
King County Metro	o Ridership numbers for each specific year provided by KCM
Pierce Transit	o Ridership numbers for each specific year provided by PT
Sound Transit	o Ridership numbers for each specific year provided by ST
WSF	o Numbers reflect "transactions" based on one-way fare collection (50% of ridership) 1% annual growth from 2000 to 2014
Kitsap Transit	o 8% total growth between 2001 and 2014

PASS/CASH RIDERSHIP RATIO

Community Transit	o 62% pass / 38% cash
Everett Transit	o 36% pass / 64% cash
King County Metro	o 62% pass / 38% cash
Pierce Transit	o 36% pass / 64% cash
Sound Transit	o 63% pass / 37% cash
WSF	o 50% pass / 50% cash
Kitsap Transit	o 69% pass / 31% cash

% of Ridership - 2005

Community Transit	6.0%
Everett Transit	0.0%
KCM	71.7%
Pierce Transit	9.2%
Sound Transit	7.7%
WSF	2.8%
Kitsap Transit	2.7%
TOTAL	100.0%

ASSUMPTION WORKSHEET NO. 2

REGIONAL COST ALLOCATION SHARES

	CAPITAL % SHARE	OPERATING % SHARE
Community Transit	11.90%	6.0%
Everett Transit		
King County Metro	56.77%	71.7%
Pierce Transit	8.90%	9.2%
Sound Transit	10.96%	7.7%
WSF	5.42%	2.8%
Kitsap Transit	6.05%	2.7%
<i>total</i>	100.00%	100.0%

ESTIMATED EQUIPMENT QUANTITIES

	CT	ET	KCM	PT	ST	WSF	KT	TOTAL
1. On-Board FTP	290		1,397	172	198	0	106	2,163
2. Stand-alone FTP (ST configuration)	0		0	0	26	0	0	26
3. Stand-alone FTP (WSF configuration)	0		0	0	0	62	3	65
4. Portable FTP (verifier only)	0		0	0	16	0	0	16
5. Portable FTP (Full function)	0		50	0	0	15	0	65
6. Driver Display Unit	290		1,397	172	198	0	106	2,163
7. Wireless Base/Terminal module	2		7	1	4	0	4	18
8. Wireless On-Board Vehicle Module	290		1,397	172	198	0	106	2,163
9. Data Acquisition Computer (DAC)	2		7	1	4	4	4	22
10. Back Office client Computer	1		1	1	1	1	1	6
11. Ticket Vending Machines - upgrade kits	1			6	34	1	1	34
12. Customer Service Terminal	1		3	4	1	0	1	32
13. Photo ID System								10

ESTIMATED TRAINING CLASSES

	CT	ET	KCM	PT	ST	WSF	KT	TOTAL
A.1 RFCS OVERVIEW	2		5	3	1	2	2	15
A.2 SYSTEMS OPERATIONS	2		5	3	1	2	2	15
A.3 REPAIR AND MAINTENANCE	2		5	2	1	2	2	14
A.4 DATA MANAGEMENT	2		5	2	1	2	2	14
A.5 CUSTOMER SERVICE & MARKETING	2		5	1	1	2	2	13
A.6 TRAIN-THE-TRAINER (Operations/Maintenance)	2		5	1	1	3	2	14
A.7 TRAIN-THE-TRAINER (Retail Outlets)	2		5	1	1	0	2	11

ASSUMPTION WORKSHEET NO. 3

NUMBER OF FARE CARDS

ANNUAL QUANTITY CALCULATION

PASS HOLDERS

Current Pass Holders

2000 Puget Passes sold monthly (monthly quantity)	43,000
3 month (quarterly quantity)	3,000
annual (total)	3,200
2000 KCM Flexpasses corporate	21,000
Employee passes	77,000
UPass	15,500
EDpass	55,000
GOPass	10,000
Microsoft badge/pass	1,400
Regional Fare permits/passes	15,000
TVM passes	2,800
KT monthly passes	50,000
WSF cards	39,245
	53,500

of smart cards required based on 2000 pass qty's.

	2000	2001	2002	2003	2004
	389,645				

PROJECTED ANNUAL # OF SMART CARDS

	1	2	3	4	5	6	7	8	9	10
ANNUAL QUANTITY CALCULATION										
Fare Cards (Pass Holders)										
a. Annual Number of Fare Cards in Circulation: (I.E. Total Number of Smart Card Pass Riders)	377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588
1. (100% of passes convert to smart card)	377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588
2. (pass ridership projections / 211 trips per pass)	377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588
b. Annual growth in Fare Cards:	377,617	7,789	3,994	3,807	12,418	12,185	11,435	6,349	4,296	4,698
c. Annual replacement of Fare Cards: (Yrs 2-4 (5%), Yrs 5-10 (25%))	377,617	18,881	19,270	19,660	101,406	104,452	107,311	109,898	109,972	111,147
d. New Fare Cards Required: (b+c)	377,617	26,670	23,264	23,468	113,824	116,638	118,746	115,247	114,269	115,845
Fare Cards (Cash Riders)										
e. Annual Trips taken by Cash Riders:	54,164,534	55,261,814	55,877,030	56,471,860	56,142,050	59,784,653	61,336,600	62,260,646	62,932,905	63,657,841
f. Increase in Annual Trips by Cash Riders:	1,097,279	615,216	594,830	1,670,190	1,642,603	1,551,947	924,047	672,259	724,936	724,936
g. Annual Round Trips taken by Cash Riders:	27,082,267	548,640	307,608	297,415	835,095	821,302	775,973	462,023	336,129	362,468
h. Average number of workdays per customer, per year:	227	227	227	227	227	227	227	227	227	227
i. (254 weekdays - 10 vacation days - 12 holidays - 5 sick days)	227	227	227	227	227	227	227	227	227	227
j. Average number of NEW individual cash riders:	119,305	2,417	1,355	1,310	3,679	3,618	3,418	2,035	1,481	1,597
k. Cash Riders convert to Smart Cards (e-purse): (Year 1 - 25%, Years 2-10 - 10%)	119,305	121,722	123,077	124,387	128,066	131,684	135,103	137,138	138,619	140,216
l. Annual Total of Cash Riders using Smart Cards:	29,826	9,190	8,406	7,697	7,295	6,927	6,576	6,122	5,658	5,252
m. Annual replacement of Fare Cards: (Yrs 2-4 (5%), Yrs 5-10 (25%))	29,826	32,055	38,539	44,319	46,743	52,066	56,199	59,829	63,269	66,299
n. New Fare Cards Required: (k + m)	29,826	10,681	10,357	10,068	21,074	22,530	23,911	25,101	26,168	27,176
TOTAL NUMBER OF NEW FARE CARDS PER ANNUM: (b + c + k + m)	407,443	37,350	33,821	33,535	134,899	139,168	142,857	146,349	149,437	149,023
TOTAL NUMBER OF NEW FARE CARDS TO DATE:	407,443	444,794	478,415	511,950	646,849	786,016	928,673	1,069,022	1,209,459	1,352,479
TOTAL NUMBER OF FARE CARDS IN CIRCULATION: (a + b + l)	407,443	432,210	440,815	452,132	490,486	499,335	516,598	523,981	531,883	542,234
TOTAL NUMBER OF FARE CARDS REPLACED PER ANNUM:	0	20,372	21,223	22,031	115,186	120,056	124,846	127,877	130,482	133,074
TOTAL NUMBER OF FARE CARDS REPLACED TO DATE:	0	20,372	41,593	63,625	178,810	299,866	423,512	551,390	681,872	814,943
SHARE OF CARDS ISSUED THAT HAVE BEEN REPLACED TO DATE:		4.88%	8.69%	12.43%	27.64%	38.02%	45.60%	51.58%	56.38%	60.26%

ASSUMPTIONS

- 100% of pass holders convert to Smart Cards
- Growth in the number of smart cards required for Pass Holders from 2000 to 2014 is based on overall pass ridership outlined in "Ridership Assumptions" worksheet and assumption of average annual unlinked trips per pass user. (2000 Pass ridership divided by 2000 total passes)
- 5% of fare cards need to be replaced each year due to loss, theft, defect. Beginning in Year 5, 25% of cards are replaced due to loss as well as age.
- 25% of cash riders convert to smart cards in Year 1. 10% of all Non-Smart Card Cash riders Years 2 - 10.

ASSUMPTION WORKSHEET NO. 4

CUSTOMER SERVICE

(6.II-1)

o The Rate per Call Fee is a variable rate for the volume of calls exceeding 500 per month. This cost only includes variable costs that will be incurred beyond the Fixed Monthly Fee for increased call volumes over 500 per month.

6 AGENCIES

Regional

Transactions per month:

7,933,196	8,446,947	8,861,219	9,243,199	9,761,902	10,261,451	10,733,325	11,096,216	11,403,657	11,701,651
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ANNUAL

QUANTITIES

	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10
Call Volumes	9,520	10,136	10,633	11,092	11,714	12,314	12,880	13,315	13,684	14,042

(one call per 10,000 transactions)

MONTH

793	845	886	924	976	1,026	1,073	1,110	1,140	1,170
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Call Volume Assumptions

o One customer call per 10,000 transactions (Pass payment, E-purse and Revalue)

ASSUMPTION WORKSHEET NO. 5

INSTITUTIONAL PROGRAMS

(6.11-2)

o The Rate per Institutional Program Fee is a variable rate for the number of Institutional programs being supported each month. This cost only includes variable costs that will be incurred in addition to the Fixed Monthly Fee.

THE COST FOR EACH PROGRAM HAS BEEN INCLUDED IN THE FIXED FEE. THERE IS NO VARIABLE RATE.

ANNUAL QUANTITIES	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10
# of Institutional Programs	1,348	1,388	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
		+3%	+3%	+3%	+3%	+3%	+3%	+3%	+3%	+3%

Institutional Program quantity assumptions

- o Commuter Bonus accounts: 936 (30% duplication with other accounts) **665**
- o Current number of all other subsidized programs:
 - CT - 1
 - PT - 52
 - KT - 23
 - WSF - 0
 - KCM - 757
- Subtotal:..... **833**

- TOTAL: 1,498**

- o Assumes 90% of current institutional programs convert to Smart Card: **1,498 x 90% = 1,348**
- o Assumes 3% annual growth rate of Institutional accounts over 10 years.

ASSUMPTION WORKSHEET NO. 6

CARD PROCUREMENT & DISTRIBUTION (6.11-3)

The Rate per Card Shipment Fee is a variable rate for the number of Card Shipments made each month. This cost only includes variable costs that will be incurred in addition to the Fixed Monthly Fee.

ANNUAL QUANTITIES	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10
# of Card Shipments	12	12	12	12	12	12	12	12	12	12

Monthly: 1 1 1 1 1 1 1 1 1 1 1

Card Shipment assumptions

- Assumes infrequent, large quantity shipment of cards from Contractor to KCM warehouse
- Includes shipments related to institutional accounts

ASSUMPTION WORKSHEET NO. 7

REVALUE NETWORK SUPPORT SERVICES (6.11-9)

o The Rate per Retail Site Fee is a variable rate for the number of sites maintained and managed each month. This cost should only include variable costs that will be incurred in addition to the Fixed Monthly Fee.

ANNUAL QUANTITIES	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10
# of Retail Sites	127	127	127	127	127	127	127	127	127	127

Retail Site quantity assumptions

o # of retail sites:

KT -27
 WSF - 0
 CT - 25
 ET - 10
 KCM - 65
 PT - 52
Total - 169

o 75% of current retail sites will convert to Smart Card Revalue Network (**127 retail sites**)

o Annual adjustments of number of retail sites

* Years 1 - 10 - No change

ASSUMPTION WORKSHEET NO. 8

E-PURSE TRANSACTIONS

REGIONAL	1	2	3	4	5	6	7	8	9	10
ANNUAL QUANTITY CALCULATION										
PASS TRIPS										
Annual Trips by Pass Holders	79,677,193	81,320,619	82,163,289	82,966,616	85,586,816	88,157,873	90,570,567	91,910,183	92,816,739	93,807,972
Monthly Trips by Pass Holders	6,639,766	6,776,718	6,846,941	6,913,885	7,132,235	7,346,489	7,547,547	7,659,182	7,734,728	7,817,331
Assumption: 15% of Pass Trips require E-purse transaction:	995,965	1,016,508	1,027,041	1,037,083	1,069,835	1,101,973	1,132,132	1,148,877	1,160,209	1,172,600
CASH TRIPS										
Annual Trips by Cash Riders	54,164,534	55,261,814	55,877,030	56,471,860	58,142,050	59,784,653	61,336,600	62,260,646	62,932,905	63,657,841
Monthly Trips by Cash Riders	4,513,711	4,605,151	4,656,419	4,705,988	4,845,171	4,982,054	5,111,383	5,188,387	5,244,409	5,304,820
Monthly Cash trips previously converted to Smart Card:	0	1,128,428	1,476,100	1,794,132	2,085,318	2,361,303	2,623,378	2,872,179	3,103,799	3,317,860
Remaining Monthly Trips taken by Cash Riders:	3,476,723	3,180,319	2,911,856	2,759,853	2,620,751	2,488,005	2,316,209	2,140,609	1,986,960	1,986,960
Monthly Cash Trips converting to Smart Card (E-Purse): (Year 1 25% of Cash trips, Years 2-10 10% of Cash trips)	1,128,428	347,672	318,032	291,186	275,985	262,075	248,801	231,621	214,061	198,696
TOTAL CASH TRIPS USING E-PURSE:	1,128,428	1,476,100	1,794,132	2,085,318	2,361,303	2,623,378	2,872,179	3,103,799	3,317,860	3,516,556
(f. + h.)										
TOTAL NUMBER OF E-PURSE TRANSACTIONS PER MONTH:	2,124,393	2,492,608	2,821,173	3,122,400	3,431,138	3,725,352	4,004,311	4,252,677	4,476,070	4,689,156
(Pass trips + Cash trips) - (c. + l.)										

ASSUMPTIONS

- o Any fare transaction that requires full or partial payment with the E-purse will be considered an E-purse transaction.
- o 15% of Pass trips require E-purse transaction
- o Year 1 - 25% of Cash trips convert to Smart Card - using E-purse
Years 2-10 - 10% of remaining Cash trips convert to Smart Card - using E-purse (annually)
- o Based on individual agency ridership projections (2005-2014) for both Cash & Pass trips.

ASSUMPTION WORKSHEET NO. 9

PASS PAYMENT TRANSACTIONS

REGIONAL	1	2	3	4	5	6	7	8	9	10
ANNUAL QUANTITY CALCULATION										
PASS TRIPS										
Annual Trip Transactions by Pass Holders:	79,677,193	81,320,619	82,163,289	82,966,616	85,586,816	88,157,873	90,570,567	91,910,183	92,816,739	93,807,972
Monthly Trip Transactions taken by Pass Holders:	6,639,766	6,776,718	6,846,941	6,913,885	7,132,235	7,346,489	7,547,547	7,659,182	7,734,728	7,817,331
Assumption: 85% of Pass Trips NOT requiring an E-purse transaction:	5,643,801	5,760,210	5,819,900	5,876,802	6,062,399	6,244,516	6,415,415	6,510,305	6,574,519	6,644,731

TOTAL NUMBER OF PASS PAYMENT TRANSACTIONS PER MONTH: 5,643,801 5,760,210 5,819,900 5,876,802 6,062,399 6,244,516 6,415,415 6,510,305 6,574,519 6,644,731

ASSUMPTIONS

- o 85% of Smart Card Pass trips do not require any E-purse transaction.
- o Pass Payment Transactions are only those transactions not requiring any E-purse activity. (85% of Pass Riders)
- o Based on individual agency ridership projections (2005-2014) for Pass trips.

ASSUMPTION WORKSHEET NO. 10

REVALUE TRANSACTIONS

REGIONAL

QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Number of Pass Holders using Smart Card:	377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588
Assumption: Number of Pass Holders who revalue once a month:	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Number of revalue transactions per month for pass holders:	75,523	77,081	77,880	78,641	81,125	83,562	85,849	87,119	87,978	88,918

Number of Cash Riders using Smart Card (E-purse):	29,826	39,016	47,422	55,119	62,413	69,340	75,917	82,039	87,697	92,949
Assumption: Number of times/month card is revalued:	3	3	3	3	3	3	3	3	3	3
Number of revalue transactions per month for pass holders:	89,479	117,048	142,266	165,356	187,240	208,021	227,750	246,116	263,090	278,846

TOTAL NUMBER OF REVALUE TRANSACTIONS PER MONTH:	165,002	194,129	220,146	243,997	268,365	291,593	313,599	333,235	351,068	367,763
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Number of revalue transactions/month through 3rd party retailers:	24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165
(15% of total revalue transactions)										
Number of revalue transactions/month NOI through 3rd party retailers:	140,252	165,009	187,124	207,397	228,110	247,846	266,559	283,250	298,408	312,599
(85% of total revalue transactions)										

REGIONAL	(Agency % share)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Number of revalue transactions/month through 3rd party retailers:	24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165
Number of revalue transactions/month NOI through 3rd party retailers:	140,252	165,009	187,124	207,397	228,110	247,846	266,559	283,250	298,408	312,599

ASSUMPTIONS

- o 20% of Pass Holders using Smart Card would revalue once a month. This includes:
 - Individual pass holders
 - Employees with subsidized passes using electronic coupons
 - Administrative changes to subsidized passes
- o Cash riders using Smart Card (E-purse) would revalue 3 times a month assuming:
 - Reload discount @ \$20
 - Primarily infrequent riders, some requiring E-purse upgrades
- o Annual number of customers holding smart cards based assumptions defined on "Number of Fare Cards" worksheet over the 10-year contract.
- o Only revalue transactions conducted through 3rd party retailers are charged against the Revalue Transaction Fees. All other revalue transactions are charged against the Pass Payment/ E-purse Transaction Fees.

King County Metro

71.7% Revised BAFO Costs

OPERATIONAL COSTS

Depot Maintenance:

	Price per Event	quantities	Failure Rate (5%)	quantities
On-Board FTP	\$116	1,397	70	70
Stand-Alone FTP - ST config.	\$460	0	0	0
Stand-Alone FTP - WT config.	\$460	0	0	0
Portable FTP - verifier only	\$354	0	0	0
Portable FTP - full function	\$354	50	3	3
DDU	\$138	1,397	70	70
TVM Integration Kit	\$186	0	0.0	0.0
Wireless Data Sys-Base	\$332	7	0.4	0.4
Wireless Data Sys-On-Board	\$115	1,397	70	70
TOTAL				

On-Site Maintenance:

	Monthly Cost/unit	quantities	Monthly Cost
DAC	\$45.14	7	\$316
Back Office Computer	\$138.82	1	\$139
CST	\$52.27	22	\$1,150
Photo ID	\$110.89	3	\$333
TOTAL			\$1,837

Technical

Support Maintenance:

	Monthly Cost/unit	quantities	Monthly Cost
On-Board FTP	\$0.58	1,397	\$810
Stand-Alone FTP	\$2.94	0	\$0
Portable FTP	\$1.87	50	\$94
DDU	\$1.09	1,397	\$1,522
Wireless Data Sys-Base	\$2.50	7	\$18
Wireless Data Sys-On-Board	\$0.65	1,397	\$908
DAC	\$5.39	7	\$38
Back Office Computer	\$16.57	1	\$17
TVM Integration Kit	\$1.17	0	\$0
CST	\$6.24	22	\$137
Photo ID	\$13.23	3	\$40
TOTAL			\$3,662

Software Maintenance:

	Monthly Cost/unit	Agency Share	Monthly Cost
Software maintenance services	\$31,745	71.7%	\$22,758
TOTAL			\$22,758

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$8,100	\$8,343	\$8,583	\$8,851	\$9,116	\$9,390	\$9,671	\$9,962	\$10,260	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$885	\$912	\$939	\$967	\$996	\$1,026	\$1,057	\$1,088	\$1,121	\$0
	\$9,636	\$9,925	\$10,223	\$10,529	\$10,845	\$11,171	\$11,506	\$11,851	\$12,206	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$116	\$120	\$123	\$127	\$131	\$135	\$139	\$143	\$147	\$0
	\$8,030	\$8,271	\$8,519	\$8,774	\$9,038	\$9,309	\$9,588	\$9,876	\$10,172	\$0
TOTAL	\$26,167	\$27,570	\$28,997	\$30,449	\$31,926	\$33,430	\$34,961	\$36,520	\$38,117	\$271,925

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$3,792	\$3,906	\$4,023	\$4,143	\$4,268	\$4,396	\$4,528	\$4,663	\$4,803	\$4,803
	\$1,666	\$1,716	\$1,767	\$1,820	\$1,875	\$1,931	\$1,989	\$2,049	\$2,110	\$2,110
	\$13,799	\$14,213	\$14,640	\$15,079	\$15,531	\$15,997	\$16,477	\$16,971	\$17,481	\$17,481
	\$4,112	\$4,235	\$4,362	\$4,493	\$4,628	\$4,767	\$4,910	\$5,057	\$5,205	\$5,205
TOTAL	\$23,369	\$24,065	\$24,665	\$25,405	\$26,167	\$26,952	\$27,780	\$28,653	\$29,526	\$29,526

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$9,720	\$10,011	\$10,312	\$10,621	\$10,940	\$11,268	\$11,606	\$11,954	\$12,313	\$0
	\$1,122	\$1,156	\$1,190	\$1,226	\$1,263	\$1,301	\$1,340	\$1,380	\$1,421	\$0
	\$18,266	\$18,814	\$19,379	\$19,960	\$20,559	\$21,176	\$21,811	\$22,465	\$23,139	\$23,139
	\$210	\$216	\$223	\$229	\$236	\$243	\$251	\$258	\$266	\$266
	\$10,993	\$11,219	\$11,556	\$11,903	\$12,260	\$12,628	\$13,006	\$13,397	\$13,799	\$13,799
	\$453	\$466	\$480	\$495	\$510	\$525	\$541	\$557	\$574	\$574
	\$199	\$205	\$211	\$217	\$224	\$231	\$237	\$245	\$252	\$252
	\$1,647	\$1,697	\$1,748	\$1,800	\$1,854	\$1,910	\$1,967	\$2,026	\$2,087	\$2,087
	\$476	\$491	\$505	\$520	\$536	\$552	\$569	\$586	\$603	\$603
TOTAL	\$42,886	\$44,275	\$45,694	\$47,142	\$48,621	\$49,652	\$51,247	\$52,867	\$54,523	\$436,897

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Software maintenance services	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098
TOTAL	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098

Services

Customer Service

Fixed Fee
 Monthly Regional Cost: \$19,439
 Agency Share: 71.7%
KCM Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$13,936	\$14,284	\$14,641	\$15,081	\$15,533	\$15,999	\$16,479	\$16,973	\$17,483	\$18,007
\$725,423	\$1,714,412	\$1,755,696	\$1,809,967	\$1,863,396	\$1,919,888	\$1,977,748	\$2,036,880	\$2,097,791	\$2,159,166

Variable Costs

Annual Regional Call Volumes:
 Call Volumes paid by fixed fee
 Call Volumes paid by variable fee
 Agency Share: 71.7%
 Cost per Call: (over 500/mo)
KCM Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
9,520	10,136	10,633	11,092	11,714	12,314	12,880	13,315	13,684	14,042
6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
3,520	4,136	4,633	5,092	5,714	6,314	6,880	7,315	7,684	8,042
2,523	2,965	3,322	3,650	4,097	4,526	4,932	5,244	5,509	5,765
\$3.80	\$3.90	\$4.00	\$4.12	\$4.24	\$4.16	\$4.29	\$4.42	\$4.55	\$4.69
\$4,794	\$11,665	\$13,287	\$15,040	\$17,384	\$19,930	\$21,160	\$23,181	\$25,066	\$27,039

Institutional Programs

Monthly Regional Cost:
 Agency Share: 71.7%
 Regional Annual Cost:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$13,778	\$14,122	\$14,475	\$14,909	\$15,357	\$15,817	\$16,292	\$16,780	\$17,284	\$17,802
\$9,878	\$10,124	\$10,377	\$10,689	\$11,009	\$11,339	\$11,680	\$12,030	\$12,391	\$12,763
\$88,898	\$121,450	\$124,526	\$128,282	\$132,710	\$136,073	\$140,156	\$144,360	\$148,691	\$153,177

Variable Costs

Monthly Regional Programs:
 Agency Share: 71.7%
 Cost per Program:
KCM Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1,348	1,388	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
966	995	1,025	1,056	1,088	1,120	1,154	1,189	1,224	1,261
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Fare Card Management

Monthly Regional Cost:
 Agency Share: 71.7%
KCM Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$6,325	\$6,483	\$6,645	\$6,844	\$7,050	\$7,261	\$7,479	\$7,703	\$7,934	\$8,173
\$4,594	\$4,648	\$4,764	\$4,907	\$5,064	\$5,206	\$5,362	\$5,523	\$5,688	\$5,859
\$40,810	\$55,772	\$57,166	\$58,381	\$60,647	\$62,467	\$64,341	\$66,271	\$68,258	\$70,307

Card Procurement & Dist.

Monthly Regional Cost:
 Agency Share: 71.7%
KCM Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$8,006	\$8,206	\$8,411	\$8,663	\$8,923	\$9,191	\$9,466	\$9,750	\$10,043	\$10,344
\$12,051	\$98,468	\$100,979	\$103,957	\$107,075	\$110,288	\$113,596	\$117,004	\$120,514	\$124,130

Variable Costs

Annual # of Shipments:
 Agency Share: 71.7%
 Cost per Shipment:
KCM Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
12	12	12	12	12	12	12	12	12	12
9	9	9	9	9	9	9	9	9	9
\$40.33	\$41.34	\$42.38	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13	\$50.60	\$52.12
\$173	\$355	\$385	\$376	\$397	\$398	\$410	\$423	\$435	\$448

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Clearinghouse Services											
Fixed Fee	Monthly Regional Cost:	\$52,778	\$54,097	\$55,450	\$57,114	\$58,827	\$60,592	\$62,409	\$64,282	\$66,210	\$68,197
	Agency Share: 71.7%	\$37,837	\$38,782	\$39,752	\$40,945	\$42,173	\$43,439	\$44,742	\$46,084	\$47,466	\$48,890
KCM	Annual Cost	\$240,532	\$265,363	\$277,028	\$291,340	\$306,080	\$321,282	\$336,960	\$353,007	\$369,537	\$386,665

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
E-Purse, Pass Payment & Revalue Transactions											
Variable Costs	Monthly Qty.	5,817,680	6,132,853	6,378,557	6,604,849	6,834,726	7,044,258	7,238,358	7,418,070	7,585,828	7,744,366
KCM	Annual Qty.	69,812,154	73,594,241	76,542,878	79,258,188	82,016,708	84,531,099	86,860,298	89,016,844	91,029,933	92,932,395
	Cost per Transaction:	\$0.004	\$0.004	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.003	\$0.003
KCM	Annual Cost	\$339,622	\$254,377	\$306,171	\$317,933	\$328,067	\$253,593	\$260,581	\$267,051	\$273,090	\$278,883

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Revalue Transactions (3rd party)											
Variable Costs	Monthly Qty.	17,744	20,876	23,674	26,238	28,859	31,356	33,723	35,835	37,752	39,548
KCM	Annual Qty.	212,924	250,510	284,083	314,861	346,306	376,268	404,677	430,016	453,029	474,573
	Cost per Transaction:	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04
KCM	Annual Cost	\$4,258	\$10,320	\$11,363	\$12,594	\$13,852	\$15,051	\$16,187	\$17,201	\$18,124	\$18,983

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Financial Management											
Fixed Fee	Monthly Regional Cost:	\$11,556	\$11,844	\$12,141	\$12,505	\$12,890	\$13,267	\$13,665	\$14,075	\$14,497	\$14,932
	Agency Share: 71.7%	\$8,285	\$8,491	\$8,704	\$8,965	\$9,234	\$9,511	\$9,796	\$10,090	\$10,393	\$10,705
KCM	Annual Cost	\$74,561	\$101,892	\$104,447	\$107,681	\$110,808	\$114,332	\$117,556	\$121,083	\$124,716	\$128,457

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Network Management											
Fixed Fee	Monthly Regional Cost:	\$13,587	\$13,927	\$14,275	\$14,703	\$15,144	\$15,599	\$16,067	\$16,549	\$17,045	\$17,556
	Agency Share: 71.7%	\$9,741	\$9,984	\$10,234	\$10,541	\$10,857	\$11,183	\$11,518	\$11,864	\$12,220	\$12,586
KCM	Annual Cost	\$87,665	\$113,812	\$122,806	\$128,490	\$133,285	\$138,219	\$142,366	\$146,837	\$151,036	\$155,909

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Revalue Network Support											
Fixed Fee	Monthly Regional Cost:	\$7,568	\$7,756	\$7,950	\$8,189	\$8,435	\$8,688	\$8,948	\$9,217	\$9,493	\$9,778
	Agency Share: 71.7%	\$5,403	\$5,547	\$5,696	\$5,849	\$6,006	\$6,167	\$6,331	\$6,499	\$6,670	\$6,844
KCM	Annual Cost	\$58,109	\$63,074	\$65,406	\$68,283	\$71,216	\$74,252	\$77,380	\$80,601	\$83,919	\$87,337

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Variable Costs											
No. of retail Sites/month:		127	127	127	127	127	127	127	127	127	127
Agency Share: 71.7%		\$8.10	\$8.30	\$8.51	\$8.77	\$9.03	\$9.30	\$9.58	\$9.87	\$10.16	\$10.47
Cost per Site/month:		\$4,825	\$8,065	\$9,258	\$9,582	\$9,866	\$10,161	\$10,467	\$10,783	\$11,100	\$11,428
KCM	Annual Cost	\$4,825	\$8,065	\$9,258	\$9,582	\$9,866	\$10,161	\$10,467	\$10,783	\$11,100	\$11,428

King County Metro COST SUMMARY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
DEPOT MAINTENANCE	\$0	\$26,767	\$27,570	\$28,397	\$29,249	\$30,126	\$31,030	\$31,961	\$32,920	\$33,907
ON-CALL MAINTENANCE	\$0	\$23,249	\$23,946	\$24,665	\$25,405	\$26,167	\$26,952	\$27,760	\$28,593	\$29,451
TECHNICAL SUPPORT MAINTENANCE	\$0	\$42,986	\$44,275	\$45,604	\$46,972	\$48,381	\$49,832	\$51,327	\$52,867	\$54,453
SOFTWARE MAINTENANCE	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098	\$273,098
TOTAL MAINTENANCE:	\$273,098	\$366,099	\$368,889	\$371,763	\$374,723	\$377,772	\$380,912	\$384,146	\$387,478	\$390,909
CUSTOMER SERVICE	\$130,218	\$182,977	\$188,983	\$196,007	\$203,781	\$210,818	\$218,907	\$228,861	\$234,856	\$243,124
INSTITUTIONAL PROGRAMS	\$88,898	\$121,490	\$124,526	\$128,262	\$132,110	\$136,073	\$140,156	\$144,360	\$148,691	\$153,152
CARD PROCUREMENT & DIST.	\$72,225	\$98,824	\$101,293	\$104,332	\$107,462	\$110,686	\$114,007	\$117,427	\$120,950	\$124,578
FARE CARD MANAGEMENT	\$40,810	\$55,772	\$57,166	\$58,881	\$60,647	\$62,467	\$64,341	\$66,271	\$68,259	\$70,307
CLEARINGHOUSE SERVICES	\$484,414	\$769,787	\$794,563	\$820,967	\$847,999	\$789,906	\$813,668	\$837,258	\$860,808	\$884,465
FINANCIAL MANAGEMENT	\$74,561	\$101,892	\$104,447	\$107,581	\$110,808	\$114,132	\$117,556	\$121,083	\$124,716	\$128,457
NETWORK MANAGEMENT	\$87,665	\$119,812	\$122,806	\$126,490	\$130,285	\$134,193	\$138,219	\$142,366	\$146,637	\$151,036
REVALUE NETWORK SUPPORT	\$72,534	\$102,143	\$104,704	\$107,850	\$111,082	\$114,413	\$117,847	\$121,385	\$125,020	\$128,776
TOTAL SERVICES:	\$1,051,324	\$1,552,697	\$1,598,489	\$1,650,370	\$1,704,174	\$1,672,690	\$1,724,701	\$1,777,011	\$1,829,937	\$1,883,895
Services										
Fixed Costs	\$898,049	\$1,227,311	\$1,258,006	\$1,295,746	\$1,334,618	\$1,374,657	\$1,415,896	\$1,458,373	\$1,502,125	\$1,547,188
Variable Costs	\$153,276	\$325,386	\$340,483	\$354,624	\$369,556	\$299,033	\$308,805	\$319,638	\$327,813	\$336,707
King County Metro Revised BAFO Costs										
VENDOR - ANNUAL OPERATING COSTS:	\$1,324,422	\$1,918,796	\$1,967,378	\$2,022,133	\$2,078,897	\$2,050,461	\$2,105,613	\$2,161,158	\$2,217,415	\$2,274,805
(Maintenance & Services)										

SERVICES PROVIDED BY KING COUNTY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
New Card Fulfillment										
Fixed Fee	\$67,342	\$10,972	\$10,750	\$10,926	\$32,394	\$33,736	\$37,058	\$37,376	\$38,230	\$39,554
Monthly Regional Cost:	\$48,277	\$7,866	\$7,707	\$7,833	\$23,223	\$24,185	\$26,567	\$26,795	\$27,407	\$28,356
Agency Share: 71.7%										
KCM Annual Cost	\$179,330	\$184,388	\$192,454	\$193,993	\$278,631	\$290,222	\$318,802	\$324,339	\$328,887	\$340,278
Additional Card Procurement, Inventory, Warehousing & Distribution Functions										
Fixed Fee	\$3,777	\$1,718	\$1,770	\$1,823	\$1,878	\$1,934	\$1,992	\$2,052	\$2,113	\$2,177
Monthly Regional Cost:	\$2,708	\$1,232	\$1,269	\$1,307	\$1,346	\$1,387	\$1,428	\$1,471	\$1,515	\$1,561
Agency Share: 71.7%										
KCM Annual Cost	\$32,493	\$14,783	\$15,227	\$15,684	\$16,154	\$16,639	\$17,138	\$17,652	\$18,181	\$18,727
Invoicing & Funds Collection										
Fixed Fee	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Monthly Regional Cost:	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Agency Share: 71.7%										
KCM Annual Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
KCM Services - ANNUAL OPERATING COSTS:	\$611,823	\$109,172	\$107,711	\$109,677	\$294,835	\$306,861	\$335,940	\$339,192	\$347,068	\$359,005
TOTAL ANNUAL OPERATING COSTS:	\$1,936,245	\$2,027,968	\$2,075,089	\$2,131,810	\$2,373,732	\$2,357,322	\$2,441,553	\$2,500,350	\$2,564,483	\$2,633,809
(Vendor and KCM services)										

KCM Service Assumptions:

1. Estimates for Year 1 (2205) are preliminary. Actual costs will depend greatly upon roll-out strategy, institutional account demographics, and other variables.
2. Estimates for Year 1 (2005) assume incentives are established to encourage unaffiliated customers to obtain their cards via telephone, mail or internet.
3. Estimates for Year 1 (2005) assume aggressive marketing campaign to smaller institutional programs.
4. Estimates for Year 1 (2005) assume that EDPasses are distributed to the institution rather than to the individual.
5. Estimates include costs for marketing materials (information packets, etc.) These costs are based on the preliminary concepts developed by KCM marketing staff, actual costs may differ when the regional plan is established.
6. King County's cost estimates are based upon ridership and cash conversion assumptions (including RRF) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. This data was used to insure that KCM estimates are consistent with other pricing estimates for the project. Actual costs will be used once they are known.
7. For the King County Card Procurement, Inventory, Warehousing and Distribution Option, there will be an increase in capital costs to include modifications required to CARM for inventory management (\$72,319).

E-PURSE TRANSACTIONS

King County Metro

ANNUAL QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
PASS TRIPS										
Annual Trips by Pass Holders	59,490,158	60,276,440	60,515,442	60,773,461	61,268,668	61,709,637	62,138,300	62,599,828	62,984,215	63,425,105
Monthly Trips by Pass Holders	4,957,513	5,023,037	5,042,954	5,064,455	5,105,722	5,142,470	5,178,192	5,213,319	5,248,685	5,285,425
Assumption: 15% of Pass Trips require E-purse transaction:	7,433,627	7,534,555	7,564,443	7,596,668	7,658,558	7,713,370	7,767,229	7,819,988	7,873,303	7,925,814
CASH TRIPS										
Annual Trips by Cash Riders	36,461,710	36,943,624	37,090,110	37,248,251	37,551,764	37,822,035	38,084,764	38,343,120	38,603,229	38,873,451
Monthly Trips by Cash Riders	3,036,476	3,078,635	3,090,842	3,104,021	3,129,314	3,151,836	3,173,730	3,195,260	3,216,936	3,239,454
Monthly Cash trips previously converted to Smart Card:	0	759,619	991,521	1,201,453	1,391,710	1,565,470	1,724,107	1,869,069	2,001,688	2,123,213
Remaining Monthly Trips taken by Cash Riders:	2,319,016	2,099,322	1,902,568	1,737,604	1,586,366	1,449,624	1,326,191	1,215,248	1,118,241	1,118,241
Monthly Cash Trips converting to Smart Card (E-Purse): (Year 1 25% of Cash trips, Years 2-10 10% of Cash trips)	759,619	231,902	209,932	190,257	173,760	158,637	144,962	132,619	121,525	111,624
TOTAL CASH TRIPS USING E-PURSE:	759,619	991,521	1,201,453	1,391,710	1,565,470	1,724,107	1,869,069	2,001,688	2,123,213	2,234,837
TOTAL NUMBER OF E-PURSE TRANSACTIONS PER MONTH: (Pass trips + Cash trips) (c. + i.)	1,503,248	1,744,976	1,957,896	2,151,378	2,334,328	2,495,377	2,645,798	2,733,686	2,910,516	3,027,651

ASSUMPTIONS

- o Any fare transaction that requires full or partial payment with the E-purse will be considered an E-purse transaction.
- o 15% of Pass trips require E-purse transaction
- o Year 1 - 25% of Cash trips convert to Smart Card - using E-purse
Years 2-10 - 10% of remaining Cash trips convert to Smart Card - using E-purse (annually)
- o Based on individual agency ridership projections (2005-2014) for both Cash & Pass trips.

PASS PAYMENT TRANSACTIONS

King County Metro

ANNUAL QUANTITY CALCULATION

PASS TRIPS	1	2	3	4	5	6	7	8	9	10
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Trip Transactions by Pass Holders:	59,490,158	60,276,440	60,515,442	60,773,461	61,268,668	61,709,637	62,138,300	62,559,828	62,984,215	63,425,105
Monthly Trip Transactions taken by Pass Holders:	4,957,513	5,023,037	5,042,954	5,064,455	5,105,722	5,142,470	5,178,192	5,213,319	5,248,665	5,285,425
Assumption: 85% of Pass Trips NOT requiring an E-purse transaction:	4,213,886	4,269,581	4,286,510	4,304,787	4,339,864	4,371,099	4,401,463	4,431,321	4,461,382	4,492,612

TOTAL NUMBER OF PASS PAYMENT TRANSACTIONS PER MONTH: 4,213,886 4,269,581 4,286,510 4,304,787 4,339,864 4,371,099 4,401,463 4,431,321 4,461,382 4,492,612

ASSUMPTIONS

- o 85% of Smart Card Pass trips do not require any E-purse transaction.
- o Pass Payment Transactions are only those transactions not requiring any E-purse activity. (85% of Pass Riders)
- o Based on individual agency ridership projections (2005-2014) for Pass trips.

REVALUE TRANSACTIONS

King County Metro QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Number of Pass Holders using Smart Card:	377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588
Assumption: Number of Pass Holders who revalue once a month:	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Number of revalue transactions per month for pass holders:	75,523	77,081	77,880	78,641	81,125	83,562	85,849	87,119	87,978	88,918

Number of Cash Riders using Smart Card (E-purse):	29,826	39,016	47,422	55,119	62,413	69,340	75,917	82,039	87,697	92,949
Assumption: Number of times/month card is revalued:	3	3	3	3	3	3	3	3	3	3
Number of revalue transactions per month for pass holders:	89,479	117,048	142,266	165,356	187,240	208,021	227,750	246,116	263,090	278,846

TOTAL NUMBER OF REVALUE TRANSACTIONS PER MONTH: 165,002 184,129 220,146 243,937 268,365 291,583 313,599 333,235 351,068 367,763

Number of revalue transactions/month through 3rd party retailers: (15% of total revalue transactions)	24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165
Number of revalue transactions/month NOI through 3rd party retailers: (85% of total revalue transactions)	140,252	165,009	187,124	207,397	228,110	247,846	266,559	283,250	298,408	312,599

King County Metro	(Agency % share)	71.7%	71.7%	71.7%	71.7%	71.7%	71.7%	71.7%	71.7%	71.7%
Number of revalue transactions/month through 3rd party retailers:	17,744	20,876	23,674	26,238	28,859	31,356	33,723	35,835	37,752	39,548
Number of revalue transactions/month NOI through 3rd party retailers:	100,547	118,236	134,450	148,664	163,533	177,682	191,098	203,063	213,930	224,104

ASSUMPTIONS

- o 20% of Pass Holders using Smart Card would revalue once a month. This includes:
 - Individual pass holders
 - Employees with subsidized passes using electronic coupons
 - Administrative changes to subsidized passes
- o Cash riders using Smart Card (E-purse) would revalue 3 times a month assuming:
 - Reload discount @ \$20
 - Primarily infrequent riders, some requiring E-purse upgrades
- o Annual number of customers holding smart cards based assumptions defined on "Number of Fare Cards" worksheet over the 10-year contract.
- o Only revalue transactions conducted through 3rd party retailers are charged against the Revalue Transaction Fees. All other revalue transactions are charged against the Pass Payment/E-purse Transaction Fees.

Community Transit

6.0% Revised BAFO Costs

OPERATIONAL COSTS

Depot Maintenance:

	Price per Event	quantities	quantities	Failure Rate (5%)
On-Board FTP	\$116	290	14	
Stand-Alone FTP - ST config.	\$460	0	0	
Stand-Alone FTP - WT config.	\$460	0	0	
Portable FTP - verifier only	\$354	0	0	
Portable FTP - full function	\$354	0	0	
DDU	\$138	290	14	
TVM Integration Kit	\$186	0	0.0	
Wireless Data Sys-Base	\$332	2	0.1	
Wireless Data Sys-On-Board	\$115	290	14	
TOTAL				

On-Site Maintenance:

	Monthly Cost/unit	quantities	Monthly Cost
DAC	\$45.14	2	\$90
Back Office Computer	\$136.82	1	\$139
CST	\$52.27	1	\$52
Photo ID	\$110.89	1	\$111
TOTAL			\$392

Technical

Support Maintenance:

	Monthly Cost/unit	quantities	Monthly Cost
On-Board FTP	\$0.58	290	\$168
Stand-Alone FTP	\$2.94	0	\$0
Portable FTP	\$1.87	0	\$0
DDU	\$1.09	290	\$316
Wireless Data Sys-Base	\$2.50	2	\$5
Wireless Data Sys-On-Board	\$0.65	290	\$188
DAC	\$5.39	2	\$11
Back Office Computer	\$16.57	1	\$17
TVM Integration Kit	\$1.17	0	\$0
CST	\$6.24	1	\$6
Photo ID	\$13.23	1	\$13
TOTAL			\$723

Software Maintenance:

	Monthly Cost/unit	Agency Share	Monthly Cost
Software maintenance services	\$31.745	6.0%	\$1,891
TOTAL			\$1,891

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$1,681	\$1,731	\$1,783	\$1,837	\$1,892	\$1,949	\$2,007	\$2,067	\$2,129	\$2,129
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$2,000	\$2,060	\$2,121	\$2,185	\$2,251	\$2,318	\$2,388	\$2,459	\$2,533	\$2,533
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$33	\$34	\$35	\$36	\$37	\$38	\$40	\$41	\$42	\$42
	\$1,666	\$1,716	\$1,768	\$1,821	\$1,875	\$1,932	\$1,990	\$2,049	\$2,111	\$2,111
TOTAL	\$5,380	\$5,541	\$5,708	\$5,879	\$6,055	\$6,237	\$6,424	\$6,617	\$6,815	\$6,815

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$1,083	\$1,116	\$1,149	\$1,184	\$1,219	\$1,256	\$1,294	\$1,332	\$1,372	\$1,372
	\$1,666	\$1,716	\$1,767	\$1,820	\$1,875	\$1,931	\$1,989	\$2,049	\$2,110	\$2,110
	\$627	\$646	\$665	\$685	\$706	\$727	\$749	\$771	\$795	\$795
	\$1,331	\$1,371	\$1,412	\$1,454	\$1,498	\$1,543	\$1,589	\$1,637	\$1,686	\$1,686
TOTAL	\$4,707	\$4,848	\$4,984	\$5,144	\$5,293	\$5,457	\$5,627	\$5,799	\$5,963	\$5,963

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$2,017	\$2,078	\$2,140	\$2,204	\$2,270	\$2,338	\$2,408	\$2,481	\$2,555	\$2,555
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$3,791	\$3,904	\$4,021	\$4,142	\$4,266	\$4,394	\$4,526	\$4,662	\$4,802	\$4,802
	\$60	\$62	\$64	\$66	\$68	\$70	\$72	\$74	\$76	\$76
	\$2,260	\$2,328	\$2,398	\$2,470	\$2,544	\$2,620	\$2,699	\$2,780	\$2,863	\$2,863
	\$129	\$133	\$137	\$141	\$146	\$150	\$154	\$159	\$164	\$164
	\$199	\$205	\$211	\$217	\$224	\$231	\$237	\$245	\$252	\$252
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$75	\$77	\$79	\$82	\$84	\$87	\$89	\$92	\$95	\$95
	\$159	\$164	\$168	\$173	\$179	\$184	\$190	\$195	\$201	\$201
TOTAL	\$8,690	\$8,951	\$9,219	\$9,496	\$9,781	\$10,074	\$10,376	\$10,687	\$11,006	\$11,006

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Software maintenance services	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697
TOTAL	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697

Services

Customer Service

Fixed Fee
 Monthly Regional Cost: 6.0%
 Agency Share: 6.0%
CT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$19,439	\$19,925	\$20,423	\$21,036	\$21,667	\$22,317	\$22,986	\$23,676	\$24,386	\$25,118
\$1,158	\$1,187	\$1,217	\$1,253	\$1,291	\$1,330	\$1,370	\$1,411	\$1,453	\$1,497
\$10,424	\$14,246	\$14,602	\$15,040	\$15,491	\$15,955	\$16,435	\$16,928	\$17,436	\$17,958

Variable Costs

Annual Regional Call Volumes:
 Call Volumes paid by fixed fee
 Call Volumes paid by variable fee
 Agency Share: 6.0%
 Cost per Call: (over 500/mo)
CT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
9,520	10,136	10,633	11,092	11,714	12,314	12,880	13,315	13,684	14,042
6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
3,520	4,136	4,633	5,092	5,714	6,314	6,880	7,315	7,684	8,042
210	246	276	303	340	376	410	436	458	479
\$3.80	\$3.90	\$4.00	\$4.12	\$4.24	\$4.36	\$4.49	\$4.62	\$4.75	\$4.89
\$398	\$961	\$1,004	\$1,250	\$1,445	\$1,685	\$1,979	\$2,327	\$2,743	\$3,247

Institutional Programs

Fixed Fee
 Monthly Regional Cost:
 Agency Share: 6.0%
 Regional Annual Cost:
CT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$13,778	\$14,122	\$14,475	\$14,909	\$15,357	\$15,817	\$16,282	\$16,780	\$17,284	\$17,802
\$821	\$841	\$862	\$888	\$915	\$942	\$971	\$1,000	\$1,030	\$1,061
\$7,488	\$10,097	\$10,849	\$10,660	\$10,930	\$11,309	\$11,648	\$11,998	\$12,358	\$12,728

Variable Costs

Monthly Regional Programs:
 Agency Share: 6.0%
 Cost per Program:
CT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1,348	1,388	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
80	83	85	88	90	93	96	99	102	105
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Fare Card Management

Fixed Fee
 Monthly Regional Cost:
 Agency Share: 6.0%
CT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$6,325	\$6,483	\$6,645	\$6,844	\$7,050	\$7,261	\$7,479	\$7,703	\$7,934	\$8,173
\$377	\$386	\$396	\$408	\$420	\$433	\$446	\$459	\$473	\$487
\$5,992	\$4,835	\$4,761	\$4,894	\$5,040	\$5,192	\$5,347	\$5,508	\$5,673	\$5,843

Card Procurement & Dist.

Fixed Fee
 Monthly Regional Cost:
 Agency Share: 6.0%
CT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$11,167	\$11,446	\$11,732	\$12,084	\$12,446	\$12,820	\$13,204	\$13,601	\$14,009	\$14,429
\$665	\$682	\$699	\$720	\$742	\$764	\$787	\$810	\$835	\$860
\$5,988	\$8,184	\$8,388	\$8,640	\$8,899	\$9,166	\$9,441	\$9,724	\$10,016	\$10,316

Variable Costs

Annual # of Shipments:
 Agency Share: 6.0%
 Cost per Shipment:
CT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
12	12	12	12	12	12	12	12	12	12
1	1	1	1	1	1	1	1	1	1
\$40.33	\$41.34	\$42.38	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13	\$50.60	\$52.12
\$14	\$30	\$30	\$31	\$32	\$33	\$34	\$35	\$36	\$37

Clearinghouse Services										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Fixed Fee										
Monthly Regional Cost:										
\$52,778	\$54,097	\$55,450	\$57,114	\$58,827	\$60,592	\$62,409	\$64,282	\$66,210	\$68,197	
Agency Share: 6.0%										
\$3,145	\$3,223	\$3,304	\$3,403	\$3,505	\$3,610	\$3,718	\$3,830	\$3,945	\$4,063	
CT Annual Cost										
\$28,301	\$29,678	\$30,646	\$32,038	\$32,960	\$34,322	\$35,621	\$36,960	\$38,339	\$39,759	\$413,921

E-Purse, Pass Payment & Revalue Transactions										
# of transactions										
483,504	508,291	531,298	552,741	572,910	591,857	609,703	626,499	642,376	657,457	
5,802,046	6,099,493	6,375,575	6,632,897	6,874,921	7,102,281	7,316,430	7,517,989	7,708,512	7,889,487	
Cost per Transaction:										
\$0.004	\$0.004	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.003	\$0.003	\$0.003
CT Annual Cost										
\$11,604	\$24,398	\$25,502	\$28,532	\$27,500	\$24,307	\$21,848	\$22,553	\$23,126	\$23,868	\$228,140

Revalue Transactions (3rd party)										
# of transactions										
1,475	1,735	1,967	2,181	2,398	2,606	2,803	2,978	3,138	3,287	
17,696	20,820	23,610	26,168	28,781	31,271	33,632	35,738	37,651	39,441	
Cost per Transaction:										
\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04
CT Annual Cost										
\$54	\$833	\$944	\$1,047	\$1,181	\$1,261	\$1,345	\$1,430	\$1,506	\$1,578	\$11,338

Financial Management										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Fixed Fee										
Monthly Regional Cost:										
\$11,556	\$11,844	\$12,141	\$12,505	\$12,880	\$13,267	\$13,665	\$14,075	\$14,497	\$14,932	
Agency Share: 6.0%										
\$689	\$706	\$723	\$745	\$767	\$790	\$814	\$839	\$864	\$890	
CT Annual Cost										
\$6,197	\$8,463	\$8,681	\$9,941	\$9,208	\$8,485	\$9,770	\$10,063	\$10,365	\$11,676	\$91,385

Network Management										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Fixed Fee										
Monthly Regional Cost:										
\$13,587	\$13,927	\$14,275	\$14,703	\$15,144	\$15,599	\$16,067	\$16,549	\$17,045	\$17,556	
Agency Share: 6.0%										
\$810	\$830	\$851	\$876	\$902	\$929	\$957	\$986	\$1,016	\$1,046	
CT Annual Cost										
\$7,285	\$9,938	\$10,206	\$10,513	\$10,828	\$11,153	\$11,487	\$11,832	\$12,187	\$12,552	\$108,001

Revalue Network Support										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Fixed Fee										
Monthly Regional Cost:										
\$10,556	\$10,819	\$11,090	\$11,423	\$11,765	\$12,118	\$12,482	\$12,856	\$13,242	\$13,639	
Agency Share: 6.0%										
\$629	\$645	\$661	\$681	\$701	\$722	\$744	\$766	\$789	\$813	
CT Annual Cost										
\$5,660	\$7,735	\$7,929	\$9,187	\$8,412	\$8,664	\$9,924	\$9,192	\$9,468	\$9,752	\$83,904

# of Retail Sites										
127	127	127	127	127	127	127	127	127	127	
8	8	8	8	8	8	8	8	8	8	
\$8.10	\$8.30	\$8.51	\$8.77	\$9.03	\$9.30	\$9.58	\$9.87	\$10.16	\$10.47	
CT Annual Cost										
\$568	\$754	\$773	\$798	\$820	\$844	\$870	\$895	\$922	\$951	\$7,992

Community Transit COST SUMMARY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
DEPOT MAINTENANCE	\$0	\$5,380	\$5,541	\$5,708	\$5,879	\$6,055	\$6,237	\$6,424	\$6,617	\$6,815
ON-CALL MAINTENANCE	\$0	\$4,707	\$4,848	\$4,994	\$5,144	\$5,298	\$5,457	\$5,621	\$5,789	\$5,963
TECHNICAL SUPPORT MAINTENANCE	\$0	\$8,690	\$8,951	\$9,219	\$9,486	\$9,781	\$10,074	\$10,376	\$10,687	\$11,008
SOFTWARE MAINTENANCE	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697	\$22,697
TOTAL MAINTENANCE:	\$22,697	\$41,474	\$42,037	\$42,618	\$43,215	\$43,831	\$44,465	\$45,118	\$45,790	\$46,483
CUSTOMER SERVICE	\$10,822	\$15,207	\$15,706	\$16,290	\$16,836	\$17,521	\$18,193	\$18,854	\$19,519	\$20,206
INSTITUTIONAL PROGRAMS	\$7,388	\$10,097	\$10,349	\$10,660	\$10,980	\$11,309	\$11,648	\$11,998	\$12,358	\$12,728
CARD PROCUREMENT & DIST.	\$6,003	\$8,213	\$8,418	\$8,671	\$8,931	\$9,199	\$9,475	\$9,759	\$10,052	\$10,354
FARE CARD MANAGEMENT	\$3,392	\$4,635	\$4,751	\$4,894	\$5,040	\$5,192	\$5,347	\$5,508	\$5,673	\$5,843
CLEARINGHOUSE SERVICES	\$40,259	\$63,909	\$66,092	\$68,413	\$70,711	\$73,080	\$75,544	\$78,004	\$80,468	\$82,936
FINANCIAL MANAGEMENT	\$6,197	\$8,468	\$8,681	\$8,941	\$9,209	\$9,485	\$9,770	\$10,063	\$10,365	\$10,676
NETWORK MANAGEMENT	\$7,286	\$9,958	\$10,206	\$10,513	\$10,828	\$11,153	\$11,487	\$11,832	\$12,187	\$12,552
REVALUE NETWORK SUPPORT	\$6,028	\$8,489	\$8,702	\$8,963	\$9,232	\$9,509	\$9,794	\$10,088	\$10,390	\$10,703
TOTAL SERVICES:	\$87,375	\$128,976	\$132,906	\$137,344	\$141,867	\$139,247	\$143,631	\$148,046	\$152,514	\$157,067
Services										
Fixed Costs	\$74,636	\$102,001	\$104,552	\$107,689	\$110,919	\$114,247	\$117,674	\$121,205	\$124,841	\$128,566
Variable Costs	\$12,739	\$26,975	\$28,354	\$29,656	\$30,948	\$25,000	\$25,957	\$26,841	\$27,674	\$28,481

Community Transit Revised BAFO Costs

VENDOR - ANNUAL OPERATING COSTS:	\$110,072	\$170,450	\$174,943	\$179,962	\$185,082	\$183,078	\$188,086	\$193,164	\$198,305	\$203,550
(Maintenance & Services)										

SERVICES PROVIDED BY KING COUNTY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
New Card Fulfillment										
Fixed Fee										
Monthly Regional Cost:	\$67,342	\$10,972	\$10,750	\$10,926	\$32,394	\$33,736	\$37,058	\$37,376	\$38,230	\$39,554
Agency Share: 6.0%	\$4,012	\$654	\$641	\$651	\$1,930	\$2,010	\$2,208	\$2,227	\$2,278	\$2,357
CT	\$48,149	\$7,245	\$7,666	\$7,612	\$28,161	\$28,120	\$32,845	\$32,923	\$33,754	\$34,840
Annual Cost										

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Additional Card Procurement, Inventory, Warehousing & Distribution Functions										
Fixed Fee										
Monthly Regional Cost:	\$3,777	\$1,718	\$1,770	\$1,823	\$1,878	\$1,934	\$1,992	\$2,052	\$2,113	\$2,177
Agency Share: 6.0%	\$225	\$102	\$105	\$109	\$112	\$115	\$119	\$122	\$126	\$130
CT	\$2,700	\$1,229	\$1,265	\$1,303	\$1,343	\$1,383	\$1,421	\$1,457	\$1,511	\$1,556
Annual Cost										

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Invoicing & Funds Collection										
Fixed Fee										
Monthly Regional Cost:	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Agency Share: 6.0%										
CT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual Cost										

KCM Services - ANNUAL OPERATING COSTS:	\$50,848	\$9,073	\$8,952	\$9,115	\$24,504	\$25,503	\$27,920	\$28,190	\$28,845	\$29,837
TOTAL ANNUAL OPERATING COSTS:	\$160,920	\$179,523	\$183,895	\$189,077	\$209,586	\$209,581	\$216,016	\$221,354	\$227,149	\$233,387
(Vendor and KCM services)										

KCM Service Assumptions:

1. Estimates for Year 1 (2005) are preliminary. Actual costs will depend greatly upon roll-out strategy, institutional account demographics, and other variables.
2. Estimates for Year 1 (2005) assume incentives are established to encourage unaffiliated customers to obtain their cards via telephone, mail or internet.
3. Estimates for Year 1 (2005) assume aggressive marketing campaign to smaller institutional programs.
4. Estimates for Year 1 (2005) assume that EDPasses are distributed to the institution rather than to the individual.
5. Estimates include costs for marketing materials (information packets, etc.) These costs are based on the preliminary concepts developed by KCM marketing staff, actual costs may differ when the regional plan is established.
6. King County's cost estimates are based upon ridership and cash conversion assumptions (including RRFPP) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. This data was used to insure that KCM estimates are consistent with other pricing estimates for the project. Actual costs will be used once they are known.
7. For the King County Card Procurement, Inventory, Warehousing and Distribution Option, there will be an increase in capital costs to include modifications required to CARM for inventory management (\$72,319).

E-PURSE TRANSACTIONS

Community Transit

ANNUAL QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
PASS TRIPS										
Annual Trips by Pass Holders	4,944,191	4,993,633	5,043,570	5,094,006	5,144,945	5,196,395	5,248,359	5,300,843	5,353,851	5,407,390
Monthly Trips by Pass Holders	412,016	416,136	420,297	424,500	428,745	433,033	437,363	441,737	446,154	450,616
Assumption: 15% of Pass Trips require E-purse transaction:	61,802	62,420	63,045	63,675	64,312	64,955	65,604	66,261	66,923	67,592
CASH TRIPS										
Annual Trips by Cash Riders	3,030,311	3,060,614	3,091,220	3,122,132	3,153,354	3,184,887	3,216,736	3,248,903	3,281,392	3,314,206
Monthly Trips by Cash Riders	252,526	255,051	257,602	260,178	262,779	265,407	268,061	270,742	273,449	276,184
Monthly Cash trips previously converted to Smart Card:	0	63,131	82,323	99,851	115,884	130,573	144,057	156,457	167,886	178,442
Remaining Monthly Trips taken by Cash Riders:	63,131	191,920	175,278	160,326	146,886	134,834	124,004	114,285	105,564	97,742
Monthly Cash Trips converting to Smart Card (E-Purse): (Year 1 - 25% of Cash trips, Years 2-10 - 10% of Cash trips)		19,192	17,528	16,033	14,690	13,483	12,400	11,428	10,556	9,774
TOTAL CASH TRIPS USING E-PURSE:	63,131	82,323	99,851	115,884	130,573	144,057	156,457	167,886	178,442	188,216

(f + h)

TOTAL NUMBER OF E-PURSE TRANSACTIONS PER MONTH:
(Pass trips + Cash trips) (f + h)

124,924	144,744	167,896	179,555	194,885	209,012	222,062	234,116	245,365	255,809
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ASSUMPTIONS

- o Any fare transaction that requires full or partial payment with the E-purse will be considered an E-purse transaction.
- o 15% of Pass trips require E-purse transaction
- o Year 1 - 25% of Cash trips convert to Smart Card - using E-purse
Years 2-10 - 10% of remaining Cash trips convert to Smart Card - using E-purse (annually)
- o Based on individual agency ridership projections (2005-2014) for both Cash & Pass trips.

PASS PAYMENT TRANSACTIONS

Community Transit

ANNUAL QUANTITY CALCULATION

PASS TRIPS	1	2	3	4	5	6	7	8	9	10
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Trip Transactions by Pass Holders:	4,944,191	4,993,633	5,043,570	5,094,006	5,144,945	5,196,395	5,248,359	5,300,843	5,353,851	5,407,390
Monthly Trip Transactions taken by Pass Holders:	412,016	416,136	420,297	424,500	428,745	433,033	437,363	441,737	446,154	450,616
Assumption: 85% of Pass Trips NOT requiring an E-purse transaction:	350,214	353,716	357,253	360,825	364,434	368,078	371,759	375,476	379,231	383,023

TOTAL NUMBER OF PASS PAYMENT TRANSACTIONS PER MONTH: 350,214 353,716 357,253 360,825 364,434 368,078 371,759 375,476 379,231 383,023

ASSUMPTIONS

- o 85% of Smart Card Pass trips do not require any E-purse transaction.
- o Pass Payment Transactions are only those transactions not requiring any E-purse activity. (85% of Pass Riders)
- o Based on individual agency ridership projections (2005-2014) for Pass trips.

REVALUE TRANSACTIONS

Community Transit QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Number of Pass Holders using Smart Card:	377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588
Assumption: Number of Pass Holders who revalue once a month:	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Number of revalue transactions per month for pass holders:	75,523	77,081	77,880	78,641	81,125	83,562	85,849	87,119	87,978	88,918

Number of Cash Riders using Smart Card (E-purse):	29,826	39,016	47,422	55,119	62,413	69,340	75,917	82,039	87,697	92,949
Assumption: Number of times/month card is revalued:	3	3	3	3	3	3	3	3	3	3
Number of revalue transactions per month for pass holders:	89,479	117,048	142,266	165,356	187,240	208,021	227,750	246,116	263,090	278,846

TOTAL NUMBER OF REVALUE TRANSACTIONS PER MONTH:	165,002	194,129	220,146	243,997	268,365	291,583	313,599	333,235	351,068	367,763
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Number of revalue transactions/month through 3rd party retailers:	24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165
(15% of total revalue transactions)										
Number of revalue transactions/month NOI through 3rd party retailers:	140,252	165,009	187,124	207,397	228,110	247,846	266,559	283,250	298,408	312,599
(85% of total revalue transactions)										

Community Transit	(Agency % share)	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Number of revalue transactions/month through 3rd party retailers:	1,435	1,735	1,967	2,181	2,398	2,606	2,803	2,978	3,138	3,287
Number of revalue transactions/month NOI through 3rd party retailers:	8,356	9,832	11,149	12,357	13,591	14,767	15,882	16,876	17,780	18,625

ASSUMPTIONS

- o 20% of Pass Holders using Smart Card would revalue once a month. This includes:
 - Individual pass holders
 - Employees with subsidized passes using electronic coupons
 - Administrative changes to subsidized passes
- o Cash riders using Smart Card (E-purse) would revalue 3 times a month assuming:
 - Reload discount @ \$20
 - Primarily infrequent riders, some requiring E-purse upgrades
- o Annual number of customers holding smart cards based assumptions defined on "Number of Fare Cards" worksheet over the 10-year contract.
- o Only revalue transactions conducted through 3rd party retailers are charged against the Revalue Transaction Fees. All other revalue transactions are charged against the Pass Payment/ E-purse Transaction Fees.

SOUND TRANSIT

OPERATIONAL COSTS

7.7% Revised BAFO Costs

Failure Rate (5%)

Price per Event	quantities	quantities
\$116	198	10
\$460	26	1
\$460	0	0
\$354	16	1
\$354	0	0
\$138	198	10
\$186	34	1.7
\$332	4	0.2
\$115	198	10

Depot Maintenance:

- On-Board FTP
- Stand-Alone FTP - ST config.
- Stand-Alone FTP - WT config.
- Portable FTP - verifier only
- Portable FTP - full function
- DDU
- TVM Integration Kit
- Wireless Data Sys-Base
- Wireless Data Sys-On-Board

TOTAL

On-Site Maintenance:

Monthly Cost/unit	quantities	Monthly Cost
\$45.14	4	\$181
\$136.82	1	\$139
\$52.27	1	\$52
\$110.89	1	\$111

TOTAL

Technical

Support Maintenance:

Monthly Cost/unit	quantities	Monthly Cost
\$0.56	198	\$115
\$2.94	26	\$76
\$1.87	16	\$30
\$1.09	198	\$216
\$2.50	4	\$10
\$0.85	198	\$129
\$5.39	4	\$22
\$16.57	1	\$17
\$1.17	34	\$40
\$6.24	1	\$6
\$13.23	1	\$13

TOTAL

Software Maintenance:

Monthly Cost/unit	Agency Share	Monthly Cost
\$31.745	7.7%	\$2,438

TOTAL

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$1,151	\$1,186	\$1,221	\$1,256	\$1,295	\$1,334	\$1,374	\$1,416	\$1,458
	\$598	\$616	\$634	\$653	\$673	\$693	\$714	\$735	\$758
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$283	\$292	\$300	\$309	\$319	\$328	\$338	\$348	\$359
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$1,369	\$1,410	\$1,453	\$1,496	\$1,541	\$1,587	\$1,635	\$1,684	\$1,735
	\$316	\$326	\$335	\$346	\$356	\$367	\$378	\$389	\$401
	\$66	\$68	\$70	\$73	\$75	\$77	\$79	\$82	\$84
	\$1,141	\$1,175	\$1,211	\$1,247	\$1,284	\$1,323	\$1,363	\$1,403	\$1,445
TOTAL	\$3,925	\$4,073	\$4,225	\$4,382	\$4,543	\$4,710	\$4,881	\$5,057	\$5,239

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$2,167	\$2,232	\$2,299	\$2,368	\$2,439	\$2,512	\$2,587	\$2,665	\$2,745
	\$1,666	\$1,716	\$1,767	\$1,820	\$1,875	\$1,931	\$1,989	\$2,049	\$2,110
	\$627	\$646	\$665	\$685	\$706	\$727	\$749	\$771	\$795
	\$1,331	\$1,371	\$1,412	\$1,454	\$1,498	\$1,543	\$1,589	\$1,637	\$1,686
TOTAL	\$5,790	\$5,964	\$6,143	\$6,327	\$6,517	\$6,713	\$6,914	\$7,122	\$7,336

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$1,381	\$1,423	\$1,465	\$1,509	\$1,555	\$1,601	\$1,649	\$1,699	\$1,750
	\$917	\$945	\$973	\$1,002	\$1,032	\$1,063	\$1,095	\$1,128	\$1,162
	\$359	\$370	\$381	\$392	\$404	\$416	\$429	\$442	\$455
	\$2,596	\$2,674	\$2,754	\$2,836	\$2,922	\$3,009	\$3,099	\$3,192	\$3,288
	\$120	\$124	\$127	\$131	\$135	\$139	\$143	\$148	\$152
	\$1,548	\$1,591	\$1,642	\$1,691	\$1,742	\$1,794	\$1,848	\$1,904	\$1,961
	\$259	\$266	\$274	\$283	\$291	\$300	\$309	\$318	\$328
	\$199	\$205	\$211	\$217	\$224	\$231	\$237	\$245	\$252
	\$477	\$492	\$506	\$522	\$537	\$553	\$570	\$587	\$605
	\$75	\$77	\$79	\$82	\$84	\$87	\$89	\$92	\$95
	\$159	\$164	\$168	\$173	\$179	\$184	\$190	\$195	\$201
TOTAL	\$8,090	\$8,332	\$8,582	\$8,840	\$9,105	\$9,378	\$9,660	\$9,949	\$10,243

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Software maintenance services	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252
TOTAL	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252

Services

Customer Service

Fixed Fee
 Monthly Regional Cost: 7.7%
 Agency Share: 7.7%
ST Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$19,439	\$19,925	\$20,423	\$21,036	\$21,667	\$22,317	\$22,986	\$23,676	\$24,386	\$25,118
\$1,493	\$1,530	\$1,568	\$1,615	\$1,664	\$1,714	\$1,765	\$1,818	\$1,873	\$1,929
\$13,434	\$18,360	\$18,819	\$19,383	\$19,955	\$20,564	\$21,181	\$21,816	\$22,471	\$23,145
									\$199,138

Variable Costs

Annual Regional Call Volumes:
 Call Volumes paid by fixed fee
 Call Volumes paid by variable fee
 Agency Share: 7.7%
 Cost per Call: (over 500/mo)
ST Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
9,520	10,136	10,633	11,082	11,714	12,314	12,880	13,315	13,684	14,042
6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
3,520	4,136	4,633	5,082	5,714	6,314	6,880	7,315	7,684	8,042
270	318	356	391	439	485	528	562	590	618
\$3.80	\$3.90	\$4.00	\$4.12	\$4.24	\$4.16	\$4.29	\$4.42	\$4.55	\$4.69
\$514	\$1,229	\$1,423	\$1,614	\$1,862	\$2,017	\$2,266	\$2,483	\$2,685	\$2,896
									\$18,938

Institutional Programs

Fixed Fee
 Monthly Regional Cost: 7.7%
 Agency Share: 7.7%
 Regional Annual Cost:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$13,778	\$14,122	\$14,475	\$14,909	\$15,357	\$15,817	\$16,292	\$16,780	\$17,284	\$17,802
\$1,058	\$1,084	\$1,112	\$1,145	\$1,179	\$1,215	\$1,251	\$1,289	\$1,327	\$1,367
\$9,522	\$13,013	\$13,333	\$13,738	\$14,150	\$14,575	\$15,012	\$15,463	\$15,926	\$16,404
									\$141,147

Variable Costs

Monthly Regional Programs:
 Agency Share: 7.7%
 Cost per Program:
ST Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1,348	1,388	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
104	107	110	113	117	120	124	127	131	135
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
									\$0

Fare Card Management

Fixed Fee
 Monthly Regional Cost: 7.7%
 Agency Share: 7.7%
ST Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$6,325	\$6,483	\$6,645	\$6,814	\$7,050	\$7,261	\$7,479	\$7,703	\$7,934	\$8,173
\$486	\$498	\$510	\$526	\$541	\$558	\$574	\$592	\$609	\$628
\$4,971	\$5,974	\$6,123	\$6,307	\$6,496	\$6,691	\$6,892	\$7,098	\$7,311	\$7,531
									\$64,733

Card Procurement & Dist.

Fixed Fee
 Monthly Regional Cost: 7.7%
 Agency Share: 7.7%
ST Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$11,167	\$11,446	\$11,732	\$12,084	\$12,446	\$12,820	\$13,204	\$13,601	\$14,009	\$14,429
\$857	\$879	\$901	\$928	\$956	\$984	\$1,014	\$1,044	\$1,076	\$1,108
\$7,717	\$10,547	\$10,811	\$11,135	\$11,489	\$11,836	\$12,167	\$12,532	\$12,908	\$13,296
									\$14,385

Variable Costs

Annual # of Shipments:
 Agency Share: 7.7%
 Cost per Shipment:
ST Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
12	12	12	12	12	12	12	12	12	12
1	1	1	1	1	1	1	1	1	1
\$40.33	\$41.34	\$42.38	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13	\$50.60	\$52.12
\$19	\$38	\$39	\$40	\$41	\$43	\$44	\$45	\$47	\$48
									\$404

Clearinghouse Services										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Fixed Fee										
Monthly Regional Cost:										
\$52,778	\$54,097	\$55,450	\$57,114	\$58,827	\$60,592	\$62,409	\$64,282	\$66,210	\$68,197	
Agency Share: 7.7%										
\$4,053	\$4,154	\$4,256	\$4,366	\$4,477	\$4,583	\$4,692	\$4,806	\$4,924	\$5,047	
ST Annual Cost										
\$36,474	\$37,343	\$38,219	\$39,106	\$40,006	\$40,916	\$41,833	\$42,756	\$43,684	\$44,617	\$45,565

E-Purse, Pass Payment & Revalue Transactions										
# of transactions	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Variable Costs										
Monthly Qty:										
629,568	715,749	779,800	837,794	1,034,212	1,237,016	1,432,248	1,537,464	1,603,137	1,671,923	
Annual Qty:										
7,554,694	8,588,989	9,357,597	10,053,522	12,410,549	14,844,192	17,186,978	18,449,562	19,237,644	20,063,074	
Cost per Transaction:										
\$0.004	\$0.004	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.003	\$0.003	\$0.003
ST Annual Cost										
\$15,108	\$24,356	\$37,430	\$40,214	\$49,642	\$44,533	\$51,561	\$53,549	\$57,703	\$60,189	\$446,096

Revalue Transactions (3rd party)										
# of transactions	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Variable Costs										
Monthly Qty:										
1,901	2,236	2,536	2,810	3,091	3,359	3,612	3,838	4,044	4,236	
Annual Qty:										
22,806	26,832	30,428	33,725	37,093	40,302	43,345	46,059	48,524	50,832	
Cost per Transaction:										
\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04
ST Annual Cost										
\$456	\$1,073	\$1,217	\$1,149	\$1,284	\$1,617	\$1,734	\$1,842	\$1,941	\$2,033	\$14,712

Financial Management										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Fixed Fee										
Monthly Regional Cost:										
\$11,556	\$11,844	\$12,141	\$12,505	\$12,880	\$13,267	\$13,665	\$14,075	\$14,497	\$14,932	
Agency Share: 7.7%										
\$887	\$909	\$932	\$960	\$989	\$1,019	\$1,049	\$1,081	\$1,113	\$1,147	
ST Annual Cost										
\$7,986	\$10,914	\$11,167	\$11,923	\$11,869	\$12,225	\$12,492	\$12,969	\$13,359	\$13,892	

Network Management										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Fixed Fee										
Monthly Regional Cost:										
\$13,587	\$13,927	\$14,275	\$14,703	\$15,144	\$15,599	\$16,067	\$16,549	\$17,045	\$17,556	
Agency Share: 7.7%										
\$1,043	\$1,069	\$1,096	\$1,129	\$1,163	\$1,198	\$1,234	\$1,271	\$1,309	\$1,348	
ST Annual Cost										
\$8,390	\$12,853	\$13,154	\$13,549	\$13,955	\$14,374	\$14,805	\$15,249	\$15,706	\$16,173	\$139,191

Revalue Network Support										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Fixed Fee										
Monthly Regional Cost:										
\$10,556	\$10,819	\$11,090	\$11,423	\$11,765	\$12,118	\$12,482	\$12,856	\$13,242	\$13,639	
Agency Share: 7.7%										
\$811	\$831	\$852	\$877	\$903	\$931	\$958	\$987	\$1,017	\$1,047	
ST Annual Cost										
\$7,295	\$9,969	\$10,219	\$10,526	\$10,841	\$11,167	\$11,502	\$11,847	\$12,202	\$12,568	\$103,135

# of Retail Sites										
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
Variable Costs										
No. of retail Sites/month:										
127	127	127	127	127	127	127	127	127	127	127
Agency Share: 7.7%										
10	10	10	10	10	10	10	10	10	10	10
Cost per Site/month:										
\$8.10	\$8.30	\$8.51	\$8.77	\$9.03	\$9.30	\$9.58	\$9.87	\$10.16	\$10.47	
ST Annual Cost										
\$474	\$971	\$996	\$1,026	\$1,057	\$1,088	\$1,121	\$1,155	\$1,189	\$1,225	\$10,303

SOUND TRANSIT COST SUMMARY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
DEPOT MAINTENANCE	\$0	\$4,925	\$5,073	\$5,225	\$5,382	\$5,543	\$5,710	\$5,881	\$6,057	\$6,239
ON-CALL MAINTENANCE	\$0	\$5,790	\$5,964	\$6,143	\$6,327	\$6,517	\$6,713	\$6,914	\$7,122	\$7,335
TECHNICAL SUPPORT MAINTENANCE	\$0	\$8,090	\$8,332	\$8,582	\$8,840	\$9,105	\$9,378	\$9,660	\$9,949	\$10,248
SOFTWARE MAINTENANCE	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252	\$29,252
TOTAL MAINTENANCE:	\$29,252	\$48,057	\$48,621	\$49,202	\$49,801	\$50,417	\$51,052	\$51,706	\$52,380	\$53,074

\$483,563

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
CUSTOMER SERVICE	\$13,948	\$19,599	\$20,242	\$20,994	\$21,827	\$22,581	\$23,447	\$24,299	\$25,156	\$26,041
INSTITUTIONAL PROGRAMS	\$9,522	\$13,013	\$13,338	\$13,738	\$14,150	\$14,575	\$15,012	\$15,463	\$15,926	\$16,404
CARD PROCUREMENT & DIST.	\$7,736	\$10,585	\$10,850	\$11,175	\$11,510	\$11,856	\$12,211	\$12,578	\$12,955	\$13,344
FARE CARD MANAGEMENT	\$4,371	\$5,974	\$6,123	\$6,307	\$6,496	\$6,691	\$6,892	\$7,098	\$7,311	\$7,531
CLEARINGHOUSE SERVICES	\$52,040	\$85,277	\$89,742	\$94,191	\$105,332	\$101,977	\$110,802	\$116,424	\$120,664	\$125,063
FINANCIAL MANAGEMENT	\$7,986	\$10,914	\$11,187	\$11,523	\$11,869	\$12,225	\$12,592	\$12,969	\$13,358	\$13,759
NETWORK MANAGEMENT	\$9,390	\$12,833	\$13,154	\$13,548	\$13,955	\$14,374	\$14,805	\$15,249	\$15,706	\$16,178
REVALUE NETWORK SUPPORT	\$7,769	\$10,941	\$11,215	\$11,552	\$11,898	\$12,255	\$12,623	\$13,002	\$13,391	\$13,793
TOTAL SERVICES:	\$112,762	\$169,135	\$175,851	\$183,028	\$197,038	\$196,533	\$208,384	\$217,081	\$224,468	\$232,112

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Services	\$96,190	\$131,458	\$134,746	\$138,788	\$142,952	\$147,240	\$151,657	\$156,207	\$160,893	\$165,720
Fixed Costs	\$16,572	\$37,677	\$41,106	\$44,241	\$54,086	\$49,293	\$56,726	\$60,874	\$69,574	\$66,392
Variable Costs										

\$1,425,851

\$490,541

\$285,186

\$2,399,955

SOUND TRANSIT Revised BAFO Costs

\$142,014

\$217,192

\$224,472

\$232,231

\$246,839

\$246,950

\$259,436

\$268,788

\$276,848

\$285,186

\$293,333

SERVICES PROVIDED BY KING COUNTY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
New Card Fulfillment	\$67,342	\$10,972	\$10,750	\$10,926	\$32,394	\$33,736	\$37,058	\$37,376	\$38,230	\$39,554
Fixed Fee										
Monthly Regional Cost	\$5,171	\$842	\$825	\$839	\$2,487	\$2,590	\$2,846	\$2,870	\$2,936	\$3,037
Agency Share: 7.7%										
ST	\$82,052	\$10,110	\$9,906	\$10,068	\$29,850	\$31,065	\$34,147	\$34,410	\$35,227	\$36,447
Annual Cost										

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Additional Card Procurement, Inventory, Warehousing & Distribution Functions	\$290	\$132	\$136	\$140	\$144	\$149	\$153	\$158	\$162	\$167
Fixed Fee										
Monthly Regional Cost	\$3,480	\$1,563	\$1,631	\$1,680	\$1,730	\$1,782	\$1,836	\$1,891	\$1,947	\$2,003
Agency Share: 7.7%										
ST	\$3,480	\$1,563	\$1,631	\$1,680	\$1,730	\$1,782	\$1,836	\$1,891	\$1,947	\$2,003
Annual Cost										

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Invoicing & Funds Collection	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Fixed Fee										
Monthly Regional Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Agency Share: 7.7%										
ST	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual Cost										

\$65,533

\$11,693

\$11,537

\$11,748

\$31,580

\$32,868

\$35,983

\$36,331

\$37,475

\$38,453

\$312,900

KCM Services - ANNUAL OPERATING COSTS:

\$207,546

\$228,886

\$236,009

\$243,978

\$278,418

\$279,818

\$295,419

\$305,119

\$314,022

\$323,639

\$2,712,855

TOTAL ANNUAL OPERATING COSTS:

(Vendor and KCM services)

KCM Service Assumptions:

1. Estimates for Year 1 (2205) are preliminary. Actual costs will depend greatly upon roll-out strategy, institutional account demographics, and other variables.
2. Estimates for Year 1 (2005) assume incentives are established to encourage unaffiliated customers to obtain their cards via telephone, mail or internet.
3. Estimates for Year 1 (2005) assume aggressive marketing campaign to smaller institutional programs.
4. Estimates for Year 1 (2005) assume that EDPasses are distributed to the institution rather than to the individual.
5. Estimates include costs for marketing materials (information packets, etc.) These costs are based on the preliminary concepts developed by KCM marketing staff, actual costs may differ when the regional plan is established.
6. King County's cost estimates are based upon ridership and cash conversion assumptions (including RRF) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. This data was used to insure that KCM estimates are consistent with other pricing estimates for the project. Actual costs will be used once they are known.
7. For the King County Card Procurement, Inventory, Warehousing and Distribution Option, there will be an increase in capital costs to include modifications required to CARM for inventory management (\$72,319).

E-PURSE TRANSACTIONS

SOUND TRANSIT

ANNUAL QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
PASS TRIPS										
Annual Trips by Pass Holders	6,474,794	7,160,788	7,590,823	7,960,010	9,906,387	11,854,996	13,654,679	14,385,678	14,678,036	15,035,799
Monthly Trips by Pass Holders	539,566	596,732	632,569	663,334	825,532	987,916	1,137,890	1,198,806	1,223,170	1,252,983
Assumption: 15% of Pass Trips require E-purse transaction:	80,935	89,510	94,885	99,500	123,830	148,187	170,683	179,821	183,475	187,947
CASH TRIPS										
Annual Trips by Cash Riders	3,802,657	4,205,542	4,458,103	4,674,926	5,818,037	6,862,458	8,019,414	8,448,731	8,620,434	8,830,548
Monthly Trips by Cash Riders	316,888	350,462	371,509	389,577	484,836	580,205	668,285	704,061	718,369	735,879
Monthly Cash trips previously converted to Smart Card:	0	79,222	106,346	132,862	158,534	191,164	230,068	273,890	316,907	357,053
Remaining Monthly Trips taken by Cash Riders:										
Monthly Cash Trips converting to Smart Card (E-Purse):	79,222	271,240	265,163	256,715	326,303	389,041	438,216	430,171	401,463	378,826
(Year 1 - 25% of Cash trips, Years 2-10 - 10% of Cash trips)										
TOTAL CASH TRIPS USING E-PURSE:	79,222	106,346	132,862	158,534	191,164	230,068	273,890	316,907	357,053	394,936
TOTAL NUMBER OF E-PURSE TRANSACTIONS PER MONTH:	160,157	195,856	227,748	258,034	314,994	378,255	444,573	495,728	540,528	582,883
(Pass trips + Cash trips) (c. + l.)										

ASSUMPTIONS

- o Any fare transaction that requires full or partial payment with the E-purse will be considered an E-purse transaction.
- o 15% of Pass trips require E-purse transaction
- o Year 1 - 25% of Cash trips convert to Smart Card - using E-purse
- o Years 2-10 - 10% of remaining Cash trips convert to Smart Card - using E-purse (annually)
- o Based on individual agency ridership projections (2005-2014) for both Cash & Pass trips.

PASS PAYMENT TRANSACTIONS

SOUND TRANSIT

ANNUAL QUANTITY CALCULATION

PASS TRIPS	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Trip Transactions by Pass Holders:	6,474,794	7,160,788	7,590,823	7,960,010	9,906,387	11,854,996	13,654,679	14,385,678	14,678,036	15,035,799
Monthly Trip Transactions taken by Pass Holders:	539,566	596,732	632,569	663,334	825,532	987,916	1,137,890	1,198,806	1,223,170	1,252,983
Assumption: 85% of Pass Trips NOT requiring an E-purse transaction:	458,631	507,222	537,683	563,834	701,702	839,729	967,206	1,018,986	1,039,694	1,065,036

TOTAL NUMBER OF PASS PAYMENT TRANSACTIONS PER MONTH: 458,631 507,222 537,683 563,834 701,702 839,729 967,206 1,018,986 1,039,694 1,065,036

ASSUMPTIONS

- o 85% of Smart Card Pass trips do not require any E-purse transaction.
- o Pass Payment Transactions are only those transactions not requiring any E-purse activity. (85% of Pass Riders)
- o Based on individual agency ridership projections (2005-2014) for Pass trips.

REVALUE TRANSACTIONS

SOUND TRANSIT QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Number of Pass Holders using Smart Card:	377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588
Assumption: Number of Pass Holders who revalue once a month:	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Number of revalue transactions per month for pass holders:	75,523	77,081	77,880	78,641	81,125	83,562	85,849	87,119	87,978	88,918

Number of Cash Riders using Smart Card (E-purse):	29,826	39,016	47,422	55,119	62,413	69,340	75,917	82,039	87,697	92,949
Assumption: Number of times/month card is revalued:	3	3	3	3	3	3	3	3	3	3
Number of revalue transactions per month for pass holders:	89,479	117,048	142,266	165,356	187,240	208,021	227,750	246,116	263,090	278,846

TOTAL NUMBER OF REVALUE TRANSACTIONS PER MONTH: 165,002 194,129 220,146 243,997 268,365 291,563 313,599 333,235 351,068 367,763

Number of revalue transactions/month through 3rd party retailers:
 (15% of total revalue transactions)
 Number of revalue transactions/month NOI through 3rd party retailers:
 (85% of total revalue transactions)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Number of revalue transactions/month through 3rd party retailers:	24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165
Assumption: (15% of total revalue transactions)	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%
Number of revalue transactions/month NOI through 3rd party retailers:	140,252	165,009	187,124	207,397	228,110	247,846	266,559	283,250	298,408	312,599
Assumption: (85% of total revalue transactions)	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%

ASSUMPTIONS

- o 20% of Pass Holders using Smart Card would revalue once a month. This includes:
 - Individual pass holders
 - Employees with subsidized passes using electronic coupons
 - Administrative changes to subsidized passes
- o Cash riders using Smart Card (E-purse) would revalue 3 times a month assuming:
 - Reload discount @ \$20
 - Primarily infrequent riders, some requiring E-purse upgrades
- o Annual number of customers holding smart cards based assumptions defined on "Number of Fare Cards" worksheet over the 10-year contract.
- o Only revalue transactions conducted through 3rd party retailers are charged against the Revalue Transaction Fees. All other revalue transactions are charged against the Pass Payment/ E-purse Transaction Fees.

Kitsap Transit

2.7% Revised BAFO Costs

OPERATIONAL COSTS

Depot Maintenance:

Price per Event	quantities	quantities	Failure Rate (5%)
\$116	106	5	
\$460	0	0	
\$460	3	0	
\$354	0	0	
\$138	106	5	
\$186	0	0	
\$332	4	0.2	
\$115	106	5	

On-Board FTP
Stand-Alone FTP - ST config.
Stand-Alone FTP - WT config.
Portable FTP - verifier only
Portable FTP - full function
DDU
TVM Integration Kit
Wireless Data Sys-Base
Wireless Data Sys-On-Board

On-Site Maintenance:

Monthly Cost/unit	quantities	Monthly Cost
\$45.14	4	\$181
\$138.82	1	\$139
\$52.27	1	\$52
\$110.89	1	\$111

DAC
Back Office Computer
CST
Photo ID

Technical

Support Maintenance:

Monthly Cost/unit	quantities	Monthly Cost
\$0.58	106	\$62
\$2.94	3	\$9
\$1.87	0	\$0
\$1.09	106	\$116
\$2.50	4	\$10
\$0.65	106	\$69
\$5.39	4	\$22
\$16.57	1	\$17
\$1.17	0	\$0
\$6.24	1	\$6
\$13.23	1	\$13

On-Board FTP
Stand-Alone FTP
Portable FTP
DDU
Wireless Data Sys-Base
Wireless Data Sys-On-Board
DAC
Back Office Computer
TVM Integration Kit
CST
Photo ID

Software Maintenance:

Monthly Cost/unit	Agency Share	Monthly Cost
\$31,745	2.7%	\$844

Software maintenance services

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$615	\$634	\$653	\$672	\$692	\$713	\$734	\$756	\$779
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$69	\$71	\$73	\$75	\$78	\$80	\$82	\$85	\$87
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$732	\$754	\$776	\$800	\$824	\$848	\$874	\$900	\$927
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$66	\$68	\$70	\$73	\$75	\$77	\$79	\$82	\$84
	\$610	\$628	\$647	\$666	\$686	\$707	\$728	\$750	\$772
TOTAL	\$2,092	\$2,155	\$2,219	\$2,286	\$2,355	\$2,425	\$2,498	\$2,573	\$2,650

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$2,167	\$2,232	\$2,299	\$2,368	\$2,439	\$2,512	\$2,587	\$2,665	\$2,745
	\$1,666	\$1,716	\$1,767	\$1,820	\$1,875	\$1,931	\$1,989	\$2,049	\$2,110
	\$627	\$646	\$665	\$685	\$706	\$727	\$749	\$771	\$795
	\$1,331	\$1,371	\$1,412	\$1,454	\$1,498	\$1,543	\$1,589	\$1,637	\$1,686
TOTAL	\$5,790	\$5,984	\$6,143	\$6,327	\$6,517	\$6,713	\$6,914	\$7,122	\$7,336

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$738	\$760	\$783	\$807	\$831	\$856	\$881	\$908	\$935
	\$106	\$109	\$112	\$116	\$119	\$123	\$126	\$130	\$134
	\$1,387	\$1,429	\$1,472	\$1,516	\$1,561	\$1,608	\$1,656	\$1,706	\$1,757
	\$827	\$852	\$878	\$904	\$931	\$959	\$988	\$1,017	\$1,048
	\$199	\$205	\$211	\$217	\$224	\$231	\$237	\$245	\$252
	\$75	\$77	\$79	\$82	\$84	\$87	\$89	\$92	\$95
	\$159	\$164	\$168	\$173	\$179	\$184	\$190	\$195	\$201
TOTAL	\$3,669	\$3,936	\$4,105	\$4,228	\$4,365	\$4,469	\$4,620	\$4,759	\$4,902

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122
TOTAL	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122

Services

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$19,439	\$19,925	\$20,423	\$21,036	\$21,667	\$22,317	\$22,986	\$23,676	\$24,386	\$25,118
\$517	\$529	\$543	\$559	\$576	\$593	\$611	\$629	\$648	\$667
\$4,649	\$6,353	\$6,512	\$6,707	\$6,909	\$7,116	\$7,328	\$7,549	\$7,776	\$8,009
KT Annual Cost									
\$68,910									

Fixed Fee
 Monthly Regional Cost: 2.7%
 Agency Share: 2.7%
KT Annual Cost

Variable Costs
 Annual Regional Call Volumes:
 Call Volumes paid by fixed fee
 Call Volumes paid by variable fee
 Agency Share: 2.7%
 Cost per Call: (over 500/mo)
KT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
9,520	10,136	10,633	11,092	11,714	12,314	12,880	13,315	13,684	14,042
6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
3,520	4,136	4,633	5,092	5,714	6,314	6,880	7,315	7,684	8,042
94	110	123	135	152	168	183	194	204	214
\$3.80	\$3.90	\$4.00	\$4.12	\$4.24	\$4.16	\$4.29	\$4.42	\$4.55	\$4.69
\$178	\$429	\$492	\$557	\$644	\$699	\$784	\$859	\$929	\$1,002
KT Annual Cost									
\$6,573									

Fixed Fee
 Monthly Regional Cost: 2.7%
 Agency Share: 2.7%
 Regional Annual Cost:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$13,778	\$14,122	\$14,475	\$14,909	\$15,357	\$15,817	\$16,292	\$16,780	\$17,284	\$17,802
\$366	\$375	\$385	\$396	\$408	\$420	\$433	\$446	\$459	\$473
\$3,295	\$4,503	\$4,616	\$4,754	\$4,907	\$5,043	\$5,195	\$5,351	\$5,511	\$5,676
KT Annual Cost									
\$48,841									

Variable Costs
 Monthly Regional Programs:
 Agency Share: 2.7%
 Cost per Program:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1,348	1,388	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
36	37	38	39	40	42	43	44	45	47
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
KT Annual Cost									
\$0									

Fixed Fee
 Monthly Regional Cost: 2.7%
 Agency Share: 2.7%
KT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$6,325	\$6,483	\$6,645	\$6,844	\$7,050	\$7,261	\$7,479	\$7,703	\$7,934	\$8,173
\$168	\$172	\$177	\$182	\$187	\$193	\$199	\$205	\$211	\$217
\$1,513	\$2,067	\$2,119	\$2,182	\$2,248	\$2,315	\$2,385	\$2,456	\$2,530	\$2,606
KT Annual Cost									
\$22,421									

Fixed Fee
 Monthly Regional Cost: 2.7%
 Agency Share: 2.7%
KT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$11,167	\$11,446	\$11,732	\$12,084	\$12,446	\$12,820	\$13,204	\$13,601	\$14,009	\$14,429
\$297	\$304	\$312	\$321	\$331	\$341	\$351	\$361	\$372	\$383
\$2,671	\$3,650	\$3,741	\$3,853	\$3,969	\$4,088	\$4,210	\$4,337	\$4,467	\$4,600
KT Annual Cost									
\$39,586									

Variable Costs
 Annual # of Shipments:
 Agency Share: 2.7%
 Cost per Shipment:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
0	0	0	0	0	0	0	0	0	0
\$40.33	\$41.34	\$42.38	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13	\$50.60	\$52.12
\$5	\$13	\$14	\$14	\$15	\$15	\$15	\$16	\$16	\$17
KT Annual Cost									
\$140									

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Clearinghouse Services											
Fixed Fee											
Monthly Regional Cost:	2.7%	\$52,778	\$54,097	\$55,450	\$57,114	\$58,827	\$60,592	\$62,409	\$64,282	\$66,210	\$68,197
Agency Share:	2.7%	\$1,402	\$1,437	\$1,473	\$1,518	\$1,563	\$1,610	\$1,658	\$1,708	\$1,759	\$1,812
KT	Annual Cost	\$12,622	\$12,240	\$12,581	\$12,211	\$12,558	\$12,320	\$12,900	\$12,497	\$12,712	\$12,935

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
E-Purse, Pass Payment & Revalue Transactions											
Variable Costs											
Monthly Qty:		231,188	240,022	248,147	255,647	262,642	269,144	275,199	280,824	286,068	290,980
Annual Qty:		2,774,259	2,880,269	2,977,765	3,067,769	3,151,699	3,229,725	3,302,392	3,369,884	3,432,810	3,491,759
Cost per Transaction:		\$0.004	\$0.004	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.003	\$0.003
KT	Annual Cost	\$5,549	\$11,921	\$10,911	\$12,271	\$12,607	\$9,639	\$9,907	\$10,110	\$10,298	\$10,475

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Revalue Transactions (3rd party)											
Variable Costs											
Monthly Qty:		658	774	877	973	1,070	1,162	1,250	1,328	1,399	1,466
Annual Qty:		7,892	9,285	10,529	11,670	12,836	13,946	14,999	15,938	16,791	17,590
Cost per Transaction:		\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04
KT	Annual Cost	\$158	\$371	\$427	\$467	\$513	\$588	\$600	\$638	\$672	\$704

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Financial Management											
Fixed Fee											
Monthly Regional Cost:	2.7%	\$11,566	\$11,844	\$12,141	\$12,505	\$12,880	\$13,267	\$13,665	\$14,075	\$14,497	\$14,932
Agency Share:	2.7%	\$307	\$315	\$323	\$332	\$342	\$353	\$363	\$374	\$385	\$397
KT	Annual Cost	\$2,764	\$3,777	\$3,871	\$3,987	\$4,107	\$4,230	\$4,357	\$4,488	\$4,623	\$4,761

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Network Management											
Fixed Fee											
Monthly Regional Cost:	2.7%	\$13,587	\$13,927	\$14,275	\$14,703	\$15,144	\$15,599	\$16,067	\$16,549	\$17,045	\$17,556
Agency Share:	2.7%	\$361	\$370	\$379	\$391	\$402	\$414	\$427	\$440	\$453	\$467
KT	Annual Cost	\$3,249	\$4,441	\$4,552	\$4,688	\$4,829	\$4,974	\$5,123	\$5,277	\$5,435	\$5,598

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Revalue Network Support											
Fixed Fee											
Monthly Regional Cost:	2.7%	\$10,556	\$10,819	\$11,090	\$11,423	\$11,765	\$12,118	\$12,482	\$12,856	\$13,242	\$13,639
Agency Share:	2.7%	\$280	\$287	\$295	\$304	\$313	\$322	\$332	\$342	\$352	\$362
KT	Annual Cost	\$2,624	\$3,450	\$3,536	\$3,642	\$3,752	\$3,864	\$3,980	\$4,099	\$4,222	\$4,349

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Variable Costs											
No. of Retail Sites/month:		127	127	127	127	127	127	127	127	127	127
Agency Share:	2.7%	\$8.10	\$8.30	\$8.51	\$8.77	\$9.03	\$9.30	\$9.58	\$9.87	\$10.16	\$10.47
Cost per Site/month:		\$164	\$336	\$345	\$355	\$366	\$377	\$388	\$400	\$411	\$424
KT	Annual Cost	\$1,644	\$3,366	\$3,545	\$3,555	\$3,666	\$3,666	\$3,666	\$4,000	\$4,111	\$4,222

Kitsap Transit

COST SUMMARY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
DEPOT MAINTENANCE	\$0	\$2,092	\$2,155	\$2,219	\$2,286	\$2,355	\$2,425	\$2,498	\$2,573	\$2,650
ON-CALL MAINTENANCE	\$0	\$5,790	\$5,964	\$6,143	\$6,327	\$6,517	\$6,713	\$6,914	\$7,122	\$7,335
TECHNICAL SUPPORT MAINTENANCE	\$0	\$3,869	\$3,986	\$4,105	\$4,228	\$4,355	\$4,486	\$4,620	\$4,759	\$4,902
SOFTWARE MAINTENANCE	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122	\$10,122
TOTAL MAINTENANCE:	\$10,122	\$21,874	\$22,227	\$22,590	\$22,964	\$23,349	\$23,746	\$24,155	\$24,576	\$25,009

\$296,534

\$613,118

\$69,967

\$493,401

\$119,718

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
CUSTOMER SERVICE	\$4,826	\$6,782	\$7,005	\$7,265	\$7,553	\$7,814	\$8,114	\$8,408	\$8,705	\$9,011
INSTITUTIONAL PROGRAMS	\$3,295	\$4,503	\$4,616	\$4,754	\$4,897	\$5,043	\$5,195	\$5,351	\$5,511	\$5,676
CARD PROCUREMENT & DIST.	\$2,677	\$3,663	\$3,754	\$3,867	\$3,983	\$4,103	\$4,226	\$4,352	\$4,483	\$4,617
FARE CARD MANAGEMENT	\$1,513	\$2,067	\$2,119	\$2,182	\$2,248	\$2,315	\$2,385	\$2,456	\$2,530	\$2,606
CLEARINGHOUSE SERVICES	\$18,328	\$28,142	\$30,013	\$30,949	\$31,878	\$29,567	\$30,407	\$31,244	\$32,082	\$32,924
FINANCIAL MANAGEMENT	\$2,764	\$3,777	\$3,871	\$3,987	\$4,107	\$4,230	\$4,357	\$4,488	\$4,623	\$4,761
NETWORK MANAGEMENT	\$3,249	\$4,441	\$4,552	\$4,688	\$4,829	\$4,974	\$5,123	\$5,277	\$5,435	\$5,598
REVALUE NETWORK SUPPORT	\$2,688	\$3,786	\$3,881	\$3,997	\$4,117	\$4,241	\$4,368	\$4,499	\$4,634	\$4,773
TOTAL SERVICES:	\$39,340	\$58,160	\$59,810	\$61,690	\$63,611	\$62,287	\$64,174	\$66,076	\$68,002	\$69,967

Services
Fixed Costs
Variable Costs

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Kitsap Transit	\$33,286	\$45,490	\$46,627	\$48,026	\$49,467	\$50,951	\$52,479	\$54,054	\$55,675	\$57,346
Revised BAFO Costs	\$6,054	\$12,670	\$13,183	\$13,664	\$14,145	\$14,626	\$15,107	\$15,588	\$16,069	\$16,550
VENDOR - ANNUAL OPERATING COSTS:	\$49,462	\$80,034	\$82,037	\$84,280	\$86,575	\$85,636	\$87,920	\$90,230	\$92,578	\$94,977

(Maintenance & Services)

SERVICES PROVIDED BY KING COUNTY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
New Card Fulfillment	\$67,342	\$10,972	\$10,750	\$10,926	\$32,394	\$33,736	\$37,058	\$37,376	\$38,230	\$39,554
Fixed Fee	\$1,789	\$292	\$286	\$290	\$861	\$896	\$985	\$993	\$1,016	\$1,051
Monthly Regional Cost:	\$3,423	\$3,498	\$3,428	\$3,434	\$10,329	\$10,757	\$11,816	\$11,918	\$12,190	\$12,612
Agency Share: 2.7%	\$1,789	\$292	\$286	\$290	\$861	\$896	\$985	\$993	\$1,016	\$1,051
Annual Cost	\$3,423	\$3,498	\$3,428	\$3,434	\$10,329	\$10,757	\$11,816	\$11,918	\$12,190	\$12,612

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Additional Card Procurement, Inventory, Warehousing & Distribution Functions	\$3,777	\$1,718	\$1,770	\$1,823	\$1,878	\$1,934	\$1,992	\$2,052	\$2,113	\$2,177
Fixed Fee	\$100	\$46	\$47	\$48	\$50	\$51	\$53	\$55	\$56	\$58
Monthly Regional Cost:	\$1,204	\$1,248	\$1,264	\$1,281	\$1,298	\$1,317	\$1,335	\$1,354	\$1,374	\$1,392
Agency Share: 2.7%	\$100	\$46	\$47	\$48	\$50	\$51	\$53	\$55	\$56	\$58
Annual Cost	\$1,204	\$1,248	\$1,264	\$1,281	\$1,298	\$1,317	\$1,335	\$1,354	\$1,374	\$1,392

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Invoicing & Funds Collection	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Fixed Fee	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Monthly Regional Cost:	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Agency Share: 2.7%	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Annual Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

KCM Services - ANNUAL OPERATING COSTS:	\$22,677	\$4,046	\$3,992	\$4,065	\$10,928	\$11,374	\$12,451	\$12,572	\$12,864	\$13,306
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TOTAL ANNUAL OPERATING COSTS:	\$72,139	\$84,081	\$85,029	\$88,345	\$97,503	\$97,010	\$100,371	\$102,802	\$105,442	\$108,283
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(Vendor and KCM services)

KCM Service Assumptions:

1. Estimates for Year 1 (2005) are preliminary. Actual costs will depend greatly upon roll-out strategy, institutional account demographics, and other variables.
2. Estimates for Year 1 (2005) assume incentives are established to encourage unaffiliated customers to obtain their cards via telephone, mail or internet.
3. Estimates for Year 1 (2005) assume aggressive marketing campaign to smaller institutional programs.
4. Estimates for Year 1 (2005) assume that EDPasses are distributed to the institution rather than to the individual.
5. Estimates include costs for marketing materials (information packets, etc.). These costs are based on the preliminary concepts developed by KCM marketing staff, actual costs may differ when the regional plan is established.
6. King County's cost estimates are based upon ridership and cash conversion assumptions (including RREF) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. This data was used to insure that KCM estimates are consistent with other pricing estimates for the project. Actual costs will be used once they are known.
7. For the King County Card Procurement, Inventory, Warehousing and Distribution Option, there will be an increase in capital costs to include modifications required to CARM for inventory management (\$72,319).

E-PURSE TRANSACTIONS

Kitsap Transit

ANNUAL QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
PASS TRIPS										
Annual Trips by Pass Holders	2,453,917	2,468,683	2,483,449	2,498,215	2,512,981	2,527,747	2,542,513	2,557,279	2,572,045	2,586,811
Monthly Trips by Pass Holders	204,493	205,724	206,954	208,185	209,415	210,646	211,876	213,107	214,337	215,568
Assumption: 15% of Pass Trips require E-purse transaction:	30,674	30,859	31,043	31,228	31,412	31,597	31,781	31,966	32,151	32,335
CASH TRIPS										
Annual Trips by Cash Riders	1,102,485	1,109,119	1,115,753	1,122,387	1,129,021	1,135,655	1,142,289	1,148,923	1,155,557	1,162,191
Monthly Trips by Cash Riders	91,874	92,427	92,979	93,532	94,085	94,638	95,191	95,744	96,296	96,849
Monthly Cash trips previously converted to Smart Card:	0	22,968	29,914	36,221	41,952	47,165	51,912	56,240	60,191	63,801
Remaining Monthly Trips taken by Cash Riders:		69,458	63,065	57,311	52,133	47,473	43,278	39,503	36,106	33,048
Monthly Cash Trips converting to Smart Card (E-Purse): (Year 1 25% of Cash trips. Years 2-10 10% of Cash trips)	22,968	6,946	6,307	5,731	5,213	4,747	4,328	3,950	3,611	3,305
TOTAL CASH TRIPS USING E-PURSE:	22,968	29,914	36,221	41,952	47,165	51,912	56,240	60,191	63,801	67,106

(f. + h.)

TOTAL NUMBER OF E-PURSE TRANSACTIONS PER MONTH:
(Pass trips + Cash trips) (c. + l.)

53,642	60,773	67,264	73,180	78,577	83,509	88,022	92,157	95,952	99,441
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ASSUMPTIONS

- o Any fare transaction that requires full or partial payment with the E-purse will be considered an E-purse transaction.
- o 15% of Pass trips require E-purse transaction
- o Year 1 - 25% of Cash trips convert to Smart Card - using E-purse
Years 2-10 - 10% of remaining Cash trips convert to Smart Card - using E-purse (annually)
- o Based on individual agency ridership projections (2005-2014) for both Cash & Pass trips.

PASS PAYMENT TRANSACTIONS

Kitsap Transit

ANNUAL QUANTITY CALCULATION

PASS TRIPS	1	2	3	4	5	6	7	8	9	10
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Trip Transactions by Pass Holders:	2,453,917	2,468,663	2,483,449	2,498,215	2,512,981	2,527,747	2,542,513	2,557,279	2,572,045	2,586,811
Monthly Trip Transactions taken by Pass Holders:	204,493	205,724	206,954	208,185	209,415	210,646	211,876	213,107	214,337	215,568
Assumption: 85% of Pass Trips NOT requiring an E-purse transaction:	173,819	174,865	175,911	176,957	178,003	179,049	180,095	181,141	182,187	183,232

TOTAL NUMBER OF PASS PAYMENT TRANSACTIONS PER MONTH: 173,819 174,865 175,911 176,957 178,003 179,049 180,095 181,141 182,187 183,232

ASSUMPTIONS

- o 85% of Smart Card Pass trips do not require any E-purse transaction.
- o Pass Payment Transactions are only those transactions not requiring any E-purse activity. (85% of Pass Riders)
- o Based on individual agency ridership projections (2005-2014) for Pass trips.

REVALUE TRANSACTIONS

Kitsap Transit

QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Number of Pass Holders using Smart Card:	377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588
Assumption: Number of Pass Holders who revalue once a month:	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Number of revalue transactions per month for pass holders:	75,523	77,081	77,880	78,641	81,125	83,562	85,849	87,119	87,978	88,918

Number of Cash Riders using Smart Card (E-purse):	29,826	39,016	47,422	55,119	62,413	69,340	75,917	82,039	87,697	92,949
Assumption: Number of times/month card is revalued:	3	3	3	3	3	3	3	3	3	3
Number of revalue transactions per month for pass holders:	89,479	117,048	142,266	165,356	187,240	208,021	227,750	246,116	263,090	278,846

TOTAL NUMBER OF REVALUE TRANSACTIONS PER MONTH: 165,002 | 194,129 | 220,146 | 243,997 | 268,365 | 291,583 | 313,599 | 333,235 | 351,068 | 367,763

Number of revalue transactions/month through 3rd party retailers: <i>(15% of total revalue transactions)</i>	24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165
Number of revalue transactions/month NOI through 3rd party retailers: <i>(85% of total revalue transactions)</i>	140,252	165,009	187,124	207,397	228,110	247,846	266,559	283,250	298,408	312,599

Kitsap Transit	(Agency % share)	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%
Number of revalue transactions/month through 3rd party retailers:	658	774	877	973	1,070	1,162	1,250	1,328	1,399	1,466
Number of revalue transactions/month NOI through 3rd party retailers:	3,727	4,385	4,972	5,511	6,061	6,586	7,083	7,526	7,929	8,306

ASSUMPTIONS

- o 20% of Pass Holders using Smart Card would revalue once a month. This includes:
 - Individual pass holders
 - Employees with subsidized passes using electronic coupons
 - Administrative changes to subsidized passes
- o Cash riders using Smart Card (E-purse) would revalue 3 times a month assuming:
 - Reload discount @ \$20
 - Primarily infrequent riders, some requiring E-purse upgrades
- o Annual number of customers holding smart cards based assumptions defined on "Number of Fare Cards" worksheet over the 10-year contract.
- o Only revalue transactions conducted through 3rd party retailers are charged against the Revalue Transaction Fees. All other revalue transactions are charged against the Pass Payment/ E-purse Transaction Fees.

WSF

2.8% Revised BAFO Costs

OPERATIONAL COSTS

Failure Rate (5%)

Price per Event	quantities	quantities	Monthly Cost
\$116	0	0	\$0
\$460	0	0	\$0
\$460	62	3	\$182
\$354	0	0	\$0
\$354	15	1	\$52
\$138	0	0	\$0
\$186	0	0.0	\$0
\$332	0	0.0	\$0
\$115	0	0	\$0
TOTAL			\$235

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$1,426	\$1,469	\$1,513	\$1,558	\$1,605	\$1,653	\$1,703	\$1,754	\$1,806
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$266	\$273	\$282	\$290	\$299	\$308	\$317	\$327	\$336
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$1,692	\$1,742	\$1,795	\$1,848	\$1,904	\$1,961	\$2,020	\$2,080	\$2,143

On-Site Maintenance:

Monthly Cost/unit	quantities	Monthly Cost
\$45.14	4	\$181
\$138.82	1	\$139
\$52.27	1	\$52
\$110.89	0	\$0
TOTAL		\$372

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$2,167	\$2,232	\$2,299	\$2,368	\$2,439	\$2,512	\$2,587	\$2,665	\$2,745
	\$1,666	\$1,716	\$1,767	\$1,820	\$1,875	\$1,931	\$1,989	\$2,049	\$2,110
	\$627	\$646	\$665	\$685	\$706	\$727	\$749	\$771	\$795
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$4,460	\$4,594	\$4,731	\$4,873	\$5,020	\$5,170	\$5,325	\$5,485	\$5,650

Technical

Support Maintenance:

Monthly Cost/unit	quantities	Monthly Cost
\$0.58	0	\$0
\$2.94	62	\$182
\$1.87	15	\$28
\$1.09	0	\$0
\$2.50	0	\$0
\$0.65	0	\$0
\$5.39	4	\$22
\$16.57	1	\$17
\$1.17	0	\$0
\$6.24	1	\$6
\$13.23	0	\$0
TOTAL		\$225

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$2,167	\$2,253	\$2,321	\$2,390	\$2,462	\$2,536	\$2,612	\$2,690	\$2,771
	\$337	\$347	\$357	\$368	\$379	\$390	\$402	\$414	\$426
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$259	\$266	\$274	\$283	\$291	\$300	\$309	\$318	\$328
	\$199	\$205	\$211	\$217	\$224	\$231	\$237	\$245	\$252
	\$75	\$77	\$79	\$82	\$84	\$87	\$89	\$92	\$95
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$3,056	\$3,148	\$3,243	\$3,340	\$3,440	\$3,543	\$3,650	\$3,763	\$3,882

Software Maintenance:

Monthly Cost/unit	Agency Share	Monthly Cost
\$31,745	2.8%	\$889
TOTAL		\$889

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669
\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669
TOTAL	\$21,338	\$21,338	\$21,338	\$21,338	\$21,338	\$21,338	\$21,338	\$21,338	\$21,338

Services

Customer Service

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$19,439	\$19,925	\$20,423	\$21,036	\$21,667	\$22,317	\$22,986	\$23,676	\$24,386	\$25,118
\$544	\$558	\$572	\$589	\$607	\$625	\$644	\$663	\$683	\$703
\$4,900	\$5,696	\$6,864	\$7,070	\$7,282	\$7,500	\$7,725	\$7,957	\$8,196	\$8,442
									\$72,632

Fixed Fee
 Monthly Regional Cost:
 Agency Share: 2.8%
WSF Annual Cost

Variable Costs

Annual Regional Call Volumes:
 Call Volumes paid by fixed fee
 Call Volumes paid by variable fee
 Agency Share: 2.8%
 Cost per Call: (over 400/mo)

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
9,520	10,136	10,633	11,092	11,714	12,314	12,880	13,315	13,684	14,042
6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
3,520	4,136	4,633	5,092	5,714	6,314	6,880	7,315	7,684	8,042
99	116	130	143	160	177	193	205	215	225
\$3.80	\$3.90	\$4.00	\$4.12	\$4.24	\$4.16	\$4.29	\$4.42	\$4.55	\$4.69
\$187	\$452	\$519	\$588	\$679	\$736	\$827	\$906	\$979	\$1,056
									\$6,926

WSF Annual Cost

Institutional Programs

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$13,778	\$14,122	\$14,475	\$14,909	\$15,357	\$15,817	\$16,292	\$16,780	\$17,284	\$17,802
\$386	\$396	\$405	\$418	\$430	\$443	\$456	\$470	\$484	\$499
\$3,873	\$4,746	\$4,865	\$5,011	\$5,161	\$5,316	\$5,475	\$5,640	\$5,809	\$5,983
									\$51,479

Fixed Fee
 Monthly Regional Cost:
 Agency Share: 2.8%
 Regional Annual Cost:

Variable Costs

Monthly Regional Programs:
 Agency Share: 2.8%
 Cost per Program:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1,348	1,388	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
38	39	40	41	42	44	45	46	48	49
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
									\$0

WSF Annual Cost

Fare Card Management

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$6,325	\$6,483	\$6,645	\$6,844	\$7,050	\$7,261	\$7,479	\$7,703	\$7,934	\$8,173
\$177	\$182	\$186	\$192	\$197	\$203	\$209	\$216	\$222	\$229
\$1,594	\$2,179	\$2,233	\$2,300	\$2,369	\$2,440	\$2,514	\$2,593	\$2,667	\$2,747
									\$25,632

Fixed Fee
 Monthly Regional Cost:
 Agency Share: 2.8%
WSF Annual Cost

Card Procurement & Dist.

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$11,167	\$11,446	\$11,732	\$12,084	\$12,446	\$12,820	\$13,204	\$13,601	\$14,009	\$14,429
\$313	\$321	\$329	\$338	\$349	\$359	\$370	\$381	\$392	\$404
\$2,815	\$3,847	\$3,943	\$4,061	\$4,183	\$4,309	\$4,435	\$4,571	\$4,705	\$4,849
									\$41,724

Fixed Fee
 Monthly Regional Cost:
 Agency Share: 2.8%
WSF Annual Cost

Variable Costs

Annual # of Shipments:
 Agency Share: 2.8%
 Cost per Shipment:

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
12	12	12	12	12	12	12	12	12	12
0	0	0	0	0	0	0	0	0	0
\$40.33	\$41.34	\$42.38	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13	\$50.60	\$52.12
\$7	\$44	\$14	\$15	\$15	\$16	\$16	\$17	\$17	\$18
									\$147

WSF Annual Cost

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Clearinghouse Services											
Fixed Fee											
Monthly Regional Cost:	2.8%	\$52,778	\$54,097	\$55,450	\$57,114	\$58,827	\$60,592	\$62,409	\$64,282	\$66,210	\$68,197
Agency Share:		\$1,478	\$1,515	\$1,553	\$1,600	\$1,648	\$1,697	\$1,748	\$1,800	\$1,854	\$1,910
WSF	Annual Cost	\$13,303	\$13,611	\$13,936	\$14,283	\$14,657	\$15,061	\$15,495	\$15,960	\$16,456	\$16,984

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
E-Purse, Pass Payment & Revalue Transactions											
Variable Costs											
WSF	Monthly Qty.	199,163	213,288	226,326	238,403	249,678	260,196	270,031	279,225	287,853	295,987
WSF	Annual Qty.	2,389,952	2,559,458	2,715,912	2,860,839	2,996,137	3,122,348	3,240,372	3,350,699	3,454,238	3,551,846
Cost per Transaction:		\$0.004	\$0.004	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.003	\$0.003
WSF	Annual Cost	\$4,780	\$10,238	\$10,864	\$11,443	\$11,985	\$12,597	\$13,171	\$13,767	\$14,395	\$15,046

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Revalue Transactions (3rd party)											
Variable Costs											
WSF	Monthly Qty.	693	816	925	1,025	1,127	1,225	1,317	1,400	1,475	1,545
WSF	Annual Qty.	8,318	9,787	11,098	12,301	13,529	14,699	15,809	16,799	17,698	18,540
Cost per Transaction:		\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04
WSF	Annual Cost	\$166	\$391	\$444	\$492	\$541	\$588	\$632	\$672	\$705	\$742

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Financial Management											
Fixed Fee											
Monthly Regional Cost:	2.8%	\$11,556	\$11,844	\$12,141	\$12,505	\$12,880	\$13,267	\$13,665	\$14,075	\$14,497	\$14,932
Agency Share:		\$324	\$332	\$340	\$350	\$361	\$372	\$383	\$394	\$406	\$418
WSF	Annual Cost	\$2,913	\$3,981	\$4,780	\$5,203	\$5,749	\$6,321	\$6,928	\$7,572	\$8,254	\$8,977

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Network Management											
Fixed Fee											
Monthly Regional Cost:	2.8%	\$13,587	\$13,927	\$14,275	\$14,703	\$15,144	\$15,599	\$16,067	\$16,549	\$17,045	\$17,556
Agency Share:		\$381	\$390	\$400	\$412	\$424	\$437	\$450	\$463	\$477	\$492
WSF	Annual Cost	\$3,425	\$4,681	\$5,798	\$6,842	\$8,090	\$9,542	\$11,109	\$12,802	\$14,624	\$16,587

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Revalue Network Support											
Fixed Fee											
Monthly Regional Cost:	2.8%	\$10,556	\$10,819	\$11,090	\$11,423	\$11,765	\$12,118	\$12,482	\$12,856	\$13,242	\$13,639
Agency Share:		\$296	\$303	\$311	\$320	\$330	\$339	\$350	\$360	\$371	\$382
WSF	Annual Cost	\$2,681	\$3,635	\$4,727	\$5,969	\$7,384	\$8,973	\$10,747	\$12,711	\$14,880	\$17,254

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Variable Costs											
No. of Retail Sites/month:		127	127	127	127	127	127	127	127	127	127
Agency Share:	2.8%	4	4	4	4	4	4	4	4	4	4
Cost per Site/month:		\$8.10	\$8.30	\$8.51	\$8.77	\$9.03	\$9.30	\$9.58	\$9.87	\$10.16	\$10.47
WSF	Annual Cost	\$173	\$354	\$463	\$574	\$745	\$939	\$1169	\$1437	\$1744	\$2108

WSF COST SUMMARY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
DEPOT MAINTENANCE	\$0	\$1,692	\$1,742	\$1,795	\$1,848	\$1,904	\$1,961	\$2,020	\$2,080	\$2,143
ON-CALL MAINTENANCE	\$0	\$4,460	\$4,594	\$4,731	\$4,873	\$5,020	\$5,170	\$5,325	\$5,485	\$5,650
TECHNICAL SUPPORT MAINTENANCE	\$0	\$3,056	\$3,148	\$3,243	\$3,340	\$3,440	\$3,543	\$3,650	\$3,759	\$3,872
SOFTWARE MAINTENANCE	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669	\$10,669
TOTAL MAINTENANCE:	\$10,669	\$19,877	\$20,153	\$20,437	\$20,730	\$21,032	\$21,343	\$21,663	\$21,993	\$22,333
CUSTOMER SERVICE	\$5,087	\$7,148	\$7,383	\$7,657	\$7,961	\$8,236	\$8,552	\$8,863	\$9,175	\$9,498
INSTITUTIONAL PROGRAMS	\$3,473	\$4,746	\$4,865	\$5,011	\$5,161	\$5,316	\$5,475	\$5,640	\$5,809	\$5,983
CARD PROCUREMENT & DIST.	\$2,822	\$3,861	\$3,957	\$4,076	\$4,198	\$4,324	\$4,454	\$4,587	\$4,725	\$4,867
FARE CARD MANAGEMENT	\$1,594	\$2,179	\$2,233	\$2,300	\$2,369	\$2,440	\$2,514	\$2,589	\$2,667	\$2,747
CLEARINGHOUSE SERVICES	\$18,250	\$28,810	\$29,943	\$31,130	\$32,296	\$30,319	\$31,328	\$32,328	\$33,323	\$34,317
FINANCIAL MANAGEMENT	\$2,913	\$3,981	\$4,080	\$4,203	\$4,329	\$4,459	\$4,593	\$4,730	\$4,872	\$5,018
NETWORK MANAGEMENT	\$3,425	\$4,681	\$4,798	\$4,942	\$5,090	\$5,242	\$5,400	\$5,562	\$5,729	\$5,900
REVALUATION NETWORK SUPPORT	\$2,834	\$3,990	\$4,090	\$4,213	\$4,340	\$4,470	\$4,604	\$4,742	\$4,884	\$5,031
TOTAL SERVICES:	\$40,397	\$59,396	\$61,350	\$63,532	\$65,744	\$64,806	\$66,919	\$69,041	\$71,183	\$73,361
Services										
Fixed Costs	\$35,084	\$47,947	\$49,146	\$50,620	\$52,139	\$53,703	\$55,314	\$56,974	\$58,663	\$60,443
Variable Costs	\$5,313	\$11,449	\$12,204	\$12,912	\$13,605	\$11,103	\$11,605	\$12,067	\$12,501	\$12,918

WSF Revised BAFO Costs

VENDOR - ANNUAL OPERATING COSTS:	\$51,066	\$79,273	\$81,503	\$83,970	\$86,475	\$85,839	\$88,262	\$90,704	\$93,177	\$95,694
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SERVICES PROVIDED BY KING COUNTY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
New Card Fulfillment	\$67,342	\$10,972	\$10,750	\$10,926	\$32,394	\$33,736	\$37,058	\$37,376	\$38,230	\$39,564
Fixed Fee	\$1,886	\$307	\$301	\$306	\$907	\$945	\$1,038	\$1,047	\$1,071	\$1,108
Monthly Regional Cost:	\$22,632	\$3,667	\$3,643	\$3,672	\$10,697	\$11,338	\$12,454	\$12,561	\$12,848	\$13,233
Agency Share: 2.8%										
WSF										
Annual Cost										

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Additional Card Procurement, Inventory, Warehousing & Distribution Functions	\$106	\$48	\$50	\$51	\$53	\$54	\$56	\$57	\$59	\$61
Fixed Fee	\$1,259	\$576	\$595	\$613	\$631	\$650	\$670	\$690	\$710	\$732
Monthly Regional Cost:										
Agency Share: 2.8%										
WSF										
Annual Cost										

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Invoicing & Funds Collection	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Fixed Fee										
Monthly Regional Cost:										
Agency Share: 2.8%										
WSF										
Annual Cost										

KCM Services - ANNUAL OPERATING COSTS:

	\$23,902	\$4,265	\$4,208	\$4,265	\$11,518	\$11,988	\$13,124	\$13,251	\$13,559	\$14,025
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TOTAL ANNUAL OPERATING COSTS:

	\$74,968	\$83,538	\$85,711	\$88,254	\$97,993	\$97,826	\$101,386	\$103,955	\$106,735	\$109,719
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(Vendor and KCM services)

KCM Service Assumptions:

1. Estimates for Year 1 (2005) are preliminary. Actual costs will depend greatly upon roll-out strategy, institutional account demographics, and other variables.
2. Estimates for Year 1 (2005) assume incentives are established to encourage unaffiliated customers to obtain their cards via telephone, mail or internet.
3. Estimates for Year 1 (2005) assume aggressive marketing campaign to smaller institutional programs.
4. Estimates for Year 1 (2005) assume that EDPasses are distributed to the institution rather than to the individual.
5. Estimates include costs for marketing materials (information packets, etc.). These costs are based on the preliminary concepts developed by KCM marketing staff, actual costs may differ when the regional plan is established.
6. King County's cost estimates are based upon ridership and cash conversion assumptions (including RRF) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. This data was used to insure that KCM estimates are consistent with other pricing estimates for the project. Actual costs will be used once they are known.
7. For the King County Card Procurement, Inventory, Warehousing and Distribution Option, there will be an increase in capital costs to include modifications required to CARM for inventory management (\$72,319).

E-PURSE TRANSACTIONS

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
WSF										
ANNUAL QUANTITY CALCULATION										
PASS TRIPS										
Annual Trips by Pass Holders	1,874,252	1,892,995	1,911,925	1,931,044	1,950,354	1,969,858	1,989,556	2,009,452	2,029,547	2,049,842
Monthly Trips by Pass Holders	156,188	157,750	159,327	160,920	162,530	164,155	165,796	167,454	169,129	170,820
Assumption: 15% of Pass Trips require E-purse transaction:	23,428	23,662	23,899	24,138	24,379	24,623	24,869	25,118	25,369	25,623
CASH TRIPS										
Annual Trips by Cash Riders	1,874,252	1,892,995	1,911,925	1,931,044	1,950,354	1,969,858	1,989,556	2,009,452	2,029,547	2,049,842
Monthly Trips by Cash Riders	156,188	157,750	159,327	160,920	162,530	164,155	165,796	167,454	169,129	170,820
Monthly Cash trips previously converted to Smart Card:	0	39,047	50,917	61,758	71,674	80,760	89,099	96,769	103,838	110,367
Remaining Monthly Trips taken by Cash Riders:	118,703	118,703	108,410	99,162	90,855	83,395	76,697	70,685	65,291	60,453
Monthly Cash Trips converting to Smart Card (E-Purse): (Year 1 - 25% of Cash trips, Years 2-10 - 10% of Cash trips)	39,047	11,870	10,841	9,916	9,086	8,339	7,870	7,069	6,529	6,045
TOTAL CASH TRIPS USING E-PURSE:	39,047	50,917	61,758	71,674	80,760	89,099	96,769	103,838	110,367	116,412
TOTAL NUMBER OF E-PURSE TRANSACTIONS PER MONTH:	62,475	74,580	83,857	95,812	105,139	113,723	121,639	128,956	135,736	142,035
(Pass trips + Cash trips) (c + h)										

ASSUMPTIONS

- o Any fare transaction that requires full or partial payment with the E-purse will be considered an E-purse transaction.
- o 15% of Pass trips require E-purse transaction
- o Year 1 - 25% of Cash trips convert to Smart Card - using E-purse
Years 2-10 - 10% of remaining Cash trips convert to Smart Card - using E-purse (annually)
- o Based on individual agency ridership projections (2005-2014) for both Cash & Pass trips.

PASS PAYMENT TRANSACTIONS

WSF

ANNUAL QUANTITY CALCULATION

PASS TRIPS	1	2	3	4	5	6	7	8	9	10
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Trip Transactions by Pass Holders:	1,874,252	1,892,995	1,911,925	1,931,044	1,950,354	1,969,858	1,989,556	2,009,452	2,029,547	2,049,842
Monthly Trip Transactions taken by Pass Holders:	156,188	157,750	159,327	160,920	162,530	164,155	165,796	167,454	169,129	170,820
Assumption: 85% of Pass Trips NOT requiring an E-purse transaction:	132,760	134,087	135,428	136,782	138,150	139,532	140,927	142,336	143,760	145,197
TOTAL NUMBER OF PASS PAYMENT TRANSACTIONS PER MONTH:	132,760	134,087	135,428	136,782	138,150	139,532	140,927	142,336	143,760	145,197

ASSUMPTIONS

- o 85% of Smart Card Pass trips do not require any E-purse transaction.
- o Pass Payment Transactions are only those transactions not requiring any E-purse activity. (85% of Pass Riders)
- o Based on individual agency ridership projections (2005-2014) for Pass trips.

REVALUE TRANSACTIONS

WSF

QUANTITY CALCULATION

Annual Number of Pass Holders using Smart Card:
 Assumption: Number of Pass Holders who revalue once a month:
 Number of revalue transactions per month for pass holders:

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588	
20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
75,523	77,081	77,880	78,641	81,125	83,562	85,849	87,119	87,978	88,918	

Number of Cash Riders using Smart Card (E-purse):
 Assumption: Number of times/month card is revalued:
 Number of revalue transactions per month for pass holders:

29,826	39,016	47,422	55,119	62,413	69,340	75,917	82,039	87,697	92,949
3	3	3	3	3	3	3	3	3	3
89,479	117,048	142,266	165,356	187,240	208,021	227,750	246,116	263,090	278,846

TOTAL NUMBER OF REVALUE TRANSACTIONS PER MONTH:

165,002	194,129	220,146	243,997	268,365	291,583	313,599	333,235	351,068	367,763
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Number of revalue transactions/month through 3rd party retailers:
 (15% of total revalue transactions)
 Number of revalue transactions/month NOI through 3rd party retailers:
 (65% of total revalue transactions)

24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165
140,252	165,009	187,124	207,397	228,110	247,846	266,559	283,250	298,408	312,599

WSF

	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%	2.8%
Number of revalue transactions/month through 3rd party retailers:	693	816	925	1,025	1,127	1,225	1,317	1,400	1,475	1,545
Number of revalue transactions/month NOI through 3rd party retailers:	3,928	4,621	5,241	5,809	6,389	6,941	7,466	7,933	8,358	8,755

ASSUMPTIONS

- o 20% of Pass Holders using Smart Card would revalue once a month. This includes:
 - Individual pass holders
 - Employees with subsidized passes using electronic coupons
 - Administrative changes to subsidized passes
- o Cash riders using Smart Card (E-purse) would revalue 3 times a month assuming:
 - Reload discount @ \$20
 - Primarily infrequent riders, some requiring E-purse upgrades
- o Annual number of customers holding smart cards based assumptions defined on "Number of Fare Cards" worksheet over the 10-year contract.
- o Only revalue transactions conducted through 3rd party retailers are charged against the Revalue Transaction Fees. All other revalue transactions are charged against the Pass Payment/ E-purse Transaction Fees.

Pierce Transit

9.2% Revised BAFO Costs

OPERATIONAL COSTS

Depot Maintenance:

	Price per Event	quantities	quantities	Failure Rate (5%)
On-Board FTP	\$116	172	9	
Stand-Alone FTP - ST config.	\$460	0	0	
Stand-Alone FTP - WT config.	\$460	0	0	
Portable FTP - verifier only	\$354	0	0	
Portable FTP - full function	\$354	0	0	
DDU	\$138	172	9	
TVM Integration Kit	\$186	0	0.0	
Wireless Data Sys-Base	\$332	1	0.1	
Wireless Data Sys-On-Board	\$115	172	9	
TOTAL				

On-Site Maintenance:

	Monthly Cost/unit	quantities	Monthly Cost
DAC	\$45.14	1	\$45
Back Office Computer	\$138.82	1	\$139
CST	\$52.27	6	\$314
Photo ID	\$110.89	4	\$444
TOTAL			\$941

Support Maintenance:

	Monthly Cost/unit	quantities	Monthly Cost
On-Board FTP	\$0.58	172	\$100
Stand-Alone FTP	\$2.94	0	\$0
Portable FTP	\$1.87	0	\$0
DDU	\$1.09	172	\$188
Wireless Data Sys-Base	\$2.50	1	\$3
Wireless Data Sys-On-Board	\$0.65	172	\$112
DAC	\$5.39	1	\$5
Back Office Computer	\$16.57	1	\$17
TVM Integration Kit	\$1.17	0	\$0
CST	\$6.24	6	\$37
Photo ID	\$13.23	4	\$53
TOTAL			\$574

Software Maintenance:

	Monthly Cost/unit	Agency Share	Monthly Cost
Software maintenance services	\$31.745	9.2%	\$2,925
TOTAL			\$2,925

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$0	\$999	\$1,029	\$1,060	\$1,091	\$1,124	\$1,158	\$1,193	\$1,228	\$1,265
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$1,188	\$1,224	\$1,261	\$1,298	\$1,337	\$1,377	\$1,419	\$1,461	\$1,505
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$17	\$17	\$18	\$18	\$19	\$19	\$20	\$20	\$21
	\$990	\$1,020	\$1,050	\$1,082	\$1,114	\$1,148	\$1,182	\$1,218	\$1,254	\$1,291
TOTAL	\$0	\$3,394	\$3,290	\$3,388	\$3,480	\$3,575	\$3,670	\$3,763	\$3,858	\$3,953

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$0	\$542	\$558	\$575	\$592	\$610	\$628	\$647	\$666	\$686
	\$0	\$1,666	\$1,716	\$1,767	\$1,820	\$1,875	\$1,931	\$1,989	\$2,049	\$2,110
	\$0	\$3,763	\$3,876	\$3,993	\$4,112	\$4,236	\$4,363	\$4,494	\$4,629	\$4,767
	\$0	\$5,323	\$5,482	\$5,647	\$5,816	\$5,991	\$6,170	\$6,356	\$6,546	\$6,743
TOTAL	\$0	\$11,284	\$11,632	\$11,981	\$12,344	\$12,711	\$13,082	\$13,455	\$13,830	\$14,204

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
warranty	\$0	\$1,199	\$1,234	\$1,272	\$1,310	\$1,349	\$1,389	\$1,431	\$1,474	\$1,518
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$2,252	\$2,320	\$2,390	\$2,461	\$2,535	\$2,611	\$2,689	\$2,770	\$2,853
	\$0	\$30	\$31	\$32	\$33	\$34	\$35	\$36	\$37	\$38
	\$0	\$1,343	\$1,383	\$1,425	\$1,468	\$1,512	\$1,557	\$1,604	\$1,652	\$1,701
	\$0	\$65	\$67	\$69	\$71	\$73	\$75	\$77	\$80	\$82
	\$0	\$199	\$205	\$211	\$217	\$224	\$231	\$237	\$245	\$252
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$449	\$463	\$477	\$491	\$506	\$521	\$536	\$553	\$569
	\$0	\$635	\$654	\$674	\$694	\$715	\$736	\$758	\$781	\$804
TOTAL	\$0	\$6,772	\$6,957	\$7,143	\$7,334	\$7,524	\$7,715	\$7,910	\$8,103	\$8,297

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Software maintenance services	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102
TOTAL	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102

Services

Customer Service

Fixed Fee
 Monthly Regional Cost: 9.2%
 Agency Share: 9.2%
PT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$19,439	\$19,925	\$20,423	\$21,036	\$21,667	\$22,317	\$22,986	\$23,676	\$24,386	\$25,118
\$1,791	\$1,836	\$1,882	\$1,938	\$1,997	\$2,056	\$2,118	\$2,182	\$2,247	\$2,315
\$16,121	\$22,032	\$22,583	\$23,760	\$23,936	\$24,677	\$25,417	\$25,180	\$26,965	\$27,774
									\$238,957

Variable Costs

Annual Regional Call Volumes:
 Call Volumes paid by fixed fee
 Call Volumes paid by variable fee
 Agency Share: 9.2%
 Cost per Call: (over 500/mo)
PT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
9,520	10,136	10,633	11,092	11,714	12,314	12,880	13,315	13,684	14,042
6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
3,520	4,136	4,633	5,092	5,714	6,314	6,880	7,315	7,684	8,042
324	381	427	469	527	582	634	674	708	741
\$3.80	\$3.90	\$4.00	\$4.12	\$4.24	\$4.16	\$4.29	\$4.42	\$4.55	\$4.69
\$616	\$1,486	\$1,708	\$1,933	\$2,234	\$2,420	\$2,720	\$2,979	\$3,222	\$3,475

Institutional Programs

Fixed Fee
 Monthly Regional Cost: 9.2%
 Agency Share: 9.2%
 Regional Annual Cost:
PT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$13,778	\$14,122	\$14,475	\$14,909	\$15,357	\$15,817	\$16,292	\$16,780	\$17,284	\$17,802
\$1,270	\$1,301	\$1,334	\$1,374	\$1,415	\$1,457	\$1,501	\$1,546	\$1,593	\$1,640
\$11,426	\$12,615	\$12,906	\$13,486	\$13,981	\$14,430	\$14,901	\$15,355	\$15,912	\$16,385

of Institutional Programs

Monthly Regional Programs:
 Agency Share: 9.2%
 Cost per Program:
PT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
1,348	1,388	1,430	1,473	1,517	1,563	1,610	1,658	1,708	1,759
124	128	132	136	140	144	148	153	157	162
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Fare Card Management

Fixed Fee
 Monthly Regional Cost: 9.2%
 Agency Share: 9.2%
PT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$6,325	\$6,483	\$6,645	\$6,844	\$7,060	\$7,281	\$7,479	\$7,703	\$7,934	\$8,173
\$583	\$597	\$612	\$631	\$650	\$669	\$689	\$710	\$731	\$753
\$5,745	\$7,169	\$7,348	\$7,468	\$7,798	\$8,029	\$8,270	\$8,518	\$8,774	\$9,027

Card Procurement & Dist.

Fixed Fee
 Monthly Regional Cost: 9.2%
 Agency Share: 9.2%
PT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
\$11,167	\$11,446	\$11,732	\$12,084	\$12,446	\$12,820	\$13,204	\$13,601	\$14,009	\$14,429
\$1,029	\$1,055	\$1,081	\$1,113	\$1,147	\$1,181	\$1,217	\$1,253	\$1,291	\$1,330
\$9,261	\$12,656	\$12,976	\$13,362	\$13,763	\$14,176	\$14,601	\$15,039	\$15,490	\$15,955

Variable Costs

Annual # of Shipments:
 Agency Share: 9.2%
 Cost per Shipment:
PT Annual Cost

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
12	12	12	12	12	12	12	12	12	12
1	1	1	1	1	1	1	1	1	1
\$40.33	\$41.34	\$42.38	\$43.65	\$44.96	\$46.31	\$47.70	\$49.13	\$50.60	\$52.12
\$22	\$46	\$47	\$48	\$50	\$51	\$53	\$54	\$55	\$58

Clearinghouse Services										
Fixed Fee										
Monthly Regional Cost:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 9.2%	\$52,778	\$54,097	\$55,450	\$57,114	\$58,827	\$60,592	\$62,409	\$64,282	\$66,210	\$68,197
PT Annual Cost	\$4,863	\$4,985	\$5,110	\$5,263	\$5,421	\$5,583	\$5,751	\$5,923	\$6,101	\$6,284
	\$43,770	\$59,818	\$61,314	\$65,153	\$68,048	\$67,000	\$69,010	\$71,080	\$73,212	\$75,409
										\$648,813

E-Purse, Pass Payment & Revalue Transactions										
Variable Costs										
Monthly Qty.	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Annual Qty.	547,354	607,624	664,070	717,165	767,480	815,243	860,746	904,149	945,735	985,773
Cost per Transaction:	6,568,244	7,291,484	7,968,835	8,605,980	9,209,758	9,782,912	10,328,947	10,849,794	11,348,823	11,829,275
PT Annual Cost	\$0.004	\$0.004	\$0.004	\$0.004	\$0.004	\$0.003	\$0.003	\$0.003	\$0.003	\$0.003
	\$13,136	\$29,166	\$31,875	\$34,924	\$36,839	\$39,349	\$39,987	\$32,549	\$34,046	\$35,488
										\$307,850

Revalue Transactions (3rd party)										
Variable Costs										
Monthly Qty.	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Annual Qty.	2,281	2,683	3,043	3,373	3,709	4,030	4,335	4,606	4,852	5,083
Cost per Transaction:	27,368	32,199	36,514	40,470	44,512	48,363	52,014	55,271	58,229	60,998
PT Annual Cost	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04	\$0.04
	\$547	\$1,288	\$1,167	\$1,619	\$1,780	\$1,935	\$2,061	\$2,211	\$2,329	\$2,440
										\$17,630

Financial Management										
Fixed Fee										
Monthly Regional Cost:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 9.2%	\$11,556	\$11,844	\$12,141	\$12,505	\$12,880	\$13,267	\$13,665	\$14,075	\$14,497	\$14,932
PT Annual Cost	\$1,065	\$1,091	\$1,119	\$1,152	\$1,187	\$1,222	\$1,259	\$1,297	\$1,336	\$1,376
	\$9,584	\$13,097	\$13,425	\$13,028	\$14,243	\$14,670	\$15,110	\$15,563	\$16,030	\$16,511
										\$142,059

Network Management										
Fixed Fee										
Monthly Regional Cost:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 9.2%	\$13,587	\$13,927	\$14,275	\$14,703	\$15,144	\$15,599	\$16,067	\$16,549	\$17,045	\$17,556
PT Annual Cost	\$1,252	\$1,283	\$1,315	\$1,355	\$1,395	\$1,437	\$1,480	\$1,525	\$1,571	\$1,618
	\$11,268	\$15,400	\$15,785	\$16,258	\$16,746	\$17,249	\$17,766	\$18,299	\$18,848	\$19,413
										\$187,630

Revalue Network Support										
Fixed Fee										
Monthly Regional Cost:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 9.2%	\$10,556	\$10,819	\$11,090	\$11,423	\$11,765	\$12,118	\$12,482	\$12,856	\$13,242	\$13,639
PT Annual Cost	\$973	\$997	\$1,022	\$1,053	\$1,084	\$1,117	\$1,150	\$1,185	\$1,220	\$1,257
	\$9,754	\$11,363	\$12,265	\$12,831	\$13,070	\$13,400	\$13,802	\$14,216	\$14,642	\$15,082
										\$129,762

Revalue Network Support										
Variable Costs										
No. of retail Sites/month:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Agency Share: 9.2%	127	127	127	127	127	127	127	127	127	127
Cost per Site/month:	12	12	12	12	12	12	12	12	12	12
PT Annual Cost	\$8.10	\$8.30	\$8.51	\$8.77	\$9.03	\$9.30	\$9.58	\$9.87	\$10.16	\$10.47
	\$569	\$1,166	\$1,195	\$1,232	\$1,268	\$1,306	\$1,345	\$1,386	\$1,427	\$1,470
										\$12,354

Pierce Transit COST SUMMARY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
DEPOT MAINTENANCE	\$0	\$3,194	\$3,290	\$3,388	\$3,490	\$3,595	\$3,702	\$3,813	\$3,928	\$4,046
ON-CALL MAINTENANCE	\$0	\$11,294	\$11,632	\$11,981	\$12,341	\$12,711	\$13,092	\$13,485	\$13,890	\$14,306
TECHNICAL SUPPORT MAINTENANCE	\$0	\$6,172	\$6,357	\$6,548	\$6,744	\$6,947	\$7,155	\$7,370	\$7,591	\$7,818
SOFTWARE MAINTENANCE	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102	\$35,102
TOTAL MAINTENANCE:	\$35,102	\$55,761	\$56,381	\$57,020	\$57,677	\$58,354	\$59,052	\$59,770	\$60,510	\$61,273

CUSTOMER SERVICE	\$16,737	\$23,519	\$24,291	\$25,193	\$26,193	\$27,097	\$28,137	\$29,159	\$30,187	\$31,249
INSTITUTIONAL PROGRAMS	\$11,426	\$15,615	\$16,006	\$16,486	\$16,981	\$17,490	\$18,015	\$18,555	\$19,112	\$19,685
CARD PROCUREMENT & DIST.	\$9,283	\$12,702	\$13,020	\$13,410	\$13,812	\$14,227	\$14,654	\$15,093	\$15,546	\$16,012
FARE CARD MANAGEMENT	\$5,245	\$7,469	\$7,348	\$7,568	\$7,795	\$8,029	\$8,270	\$8,518	\$8,774	\$9,037
CLEARINGHOUSE SERVICES	\$57,453	\$90,272	\$94,650	\$99,196	\$103,668	\$98,283	\$102,077	\$105,840	\$109,588	\$113,336
FINANCIAL MANAGEMENT	\$9,584	\$13,097	\$13,425	\$13,828	\$14,243	\$14,670	\$15,110	\$15,563	\$16,030	\$16,511
NETWORK MANAGEMENT	\$11,268	\$15,400	\$15,785	\$16,258	\$16,746	\$17,248	\$17,766	\$18,299	\$18,848	\$19,413
REVALUE NETWORK SUPPORT	\$9,323	\$13,129	\$13,458	\$13,862	\$14,278	\$14,706	\$15,147	\$15,602	\$16,069	\$16,552
TOTAL SERVICES:	\$130,320	\$190,902	\$197,981	\$205,802	\$213,715	\$211,750	\$219,175	\$226,629	\$234,153	\$241,796

Services
Fixed Costs
Variable Costs

Pierce Transit Revised BAFO Costs

	\$115,429	\$157,750	\$161,695	\$166,546	\$171,543	\$176,689	\$181,990	\$187,449	\$193,073	\$198,865
	\$14,891	\$33,152	\$36,286	\$39,256	\$42,172	\$35,061	\$37,185	\$39,180	\$41,080	\$42,931
VENDOR - ANNUAL OPERATING COSTS:	\$165,422	\$246,663	\$254,362	\$262,822	\$271,392	\$270,104	\$278,227	\$286,400	\$294,663	\$303,069

(Maintenance & Services)

SERVICES PROVIDED BY KING COUNTY

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Fixed Fee										
Monthly Regional Cost	\$67,342	\$10,972	\$10,750	\$10,926	\$32,394	\$33,736	\$37,058	\$37,376	\$38,230	\$39,554
Agency Share: 9.2%	\$6,205	\$1,011	\$991	\$1,007	\$2,985	\$3,109	\$3,415	\$3,444	\$3,523	\$3,645
PT	\$74,463	\$12,132	\$11,887	\$12,081	\$35,820	\$37,303	\$40,977	\$41,328	\$42,273	\$43,737
Annual Cost										

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Fixed Fee										
Monthly Regional Cost	\$3,777	\$1,718	\$1,770	\$1,823	\$1,878	\$1,934	\$1,992	\$2,052	\$2,113	\$2,177
Agency Share: 9.2%	\$348	\$158	\$163	\$168	\$173	\$178	\$184	\$189	\$195	\$201
PT	\$4,125	\$1,876	\$1,933	\$1,991	\$2,051	\$2,112	\$2,176	\$2,241	\$2,307	\$2,375
Annual Cost										

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Fixed Fee										
Monthly Regional Cost	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
Agency Share: 9.2%										
PT										
Annual Cost										

KCM Services - ANNUAL OPERATING COSTS:

	\$78,640	\$14,032	\$13,844	\$14,097	\$37,896	\$39,442	\$43,179	\$43,587	\$44,610	\$46,144
TOTAL ANNUAL OPERATING COSTS:	\$244,062	\$260,695	\$268,207	\$276,819	\$309,288	\$309,546	\$321,406	\$329,987	\$339,273	\$349,213

(Vendor and KCM services)

KCM Service Assumptions:

1. Estimates for Year 1 (2005) are preliminary. Actual costs will depend greatly upon roll-out strategy, institutional account demographics, and other variables.
2. Estimates for Year 1 (2005) assume incentives are established to encourage unaffiliated customers to obtain their cards via telephone, mail or internet.
3. Estimates for Year 1 (2005) assume aggressive marketing campaign to smaller, institutional programs.
4. Estimates for Year 1 (2005) assume that EDPasses are distributed to the institution rather than to the individual.
5. Estimates include costs for marketing materials (information packets, etc.). These costs are based on the preliminary concepts developed by KCM marketing staff, actual costs may differ when the regional plan is established.
6. King County's cost estimates are based upon ridership and cash conversion assumptions (including RRFPP) as identified in RFC Project Capital Cost Worksheets Assumption Worksheet No. 3. This data was used to insure that KCM estimates are consistent with other pricing estimates for the project. Actual costs will be used once they are known.
7. For the King County Card Procurement, Inventory, Warehousing and Distribution Option, there will be an increase in capital costs to include modifications required to CARM for inventory management (\$72,319).

E-PURSE TRANSACTIONS

Pierce Transit

ANNUAL QUANTITY CALCULATION

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
PASS TRIPS										
Annual Trips by Pass Holders	4,439,880	4,528,080	4,618,080	4,709,880	4,803,480	4,899,240	4,997,160	5,097,103	5,199,045	5,303,026
Monthly Trips by Pass Holders	369,990	377,340	384,840	392,490	400,290	408,270	416,430	424,759	433,254	441,919
Assumption: 15% of Pass Trips require E-purse transaction:	55,499	56,601	57,726	58,874	60,044	61,241	62,465	63,714	64,988	66,288
CASH TRIPS										
Annual Trips by Cash Riders	7,893,120	8,049,920	8,209,920	8,373,120	8,539,520	8,709,760	8,883,840	9,061,517	9,242,747	9,427,602
Monthly Trips by Cash Riders	657,760	670,827	684,160	697,760	711,627	725,813	740,320	755,126	770,229	785,634
Monthly Cash trips previously converted to Smart Card:	0	164,440	215,079	261,987	305,564	346,170	384,135	419,753	453,291	484,984
Remaining Monthly Trips taken by Cash Riders:	164,440	506,387	469,081	435,773	406,063	379,643	356,185	335,373	316,938	300,649
Monthly Cash Trips converting to Smart Card (E-Purse): (Year 1 25% of Cash trips, Years 2-10 10% of Cash trips)		50,639	46,908	43,577	40,606	37,964	35,619	33,537	31,694	30,065
TOTAL CASH TRIPS USING E-PURSE: (f. + h.)	164,440	215,079	261,987	305,564	346,170	384,135	419,753	453,291	484,984	515,049

TOTAL NUMBER OF E-PURSE TRANSACTIONS PER MONTH:	219,939	271,680	319,713	364,438	406,214	445,375	482,218	517,004	549,972	581,337
(Pass trips + Cash trips) (c. x. i)										

ASSUMPTIONS

- o Any fare transaction that requires full or partial payment with the E-purse will be considered an E-purse transaction.
- o 15% of Pass trips require E-purse transaction
- o Year 1 - 25% of Cash trips convert to Smart Card - using E-purse
Years 2-10 - 10% of remaining Cash trips convert to Smart Card - using E-purse (annually)
- o Based on individual agency ridership projections (2005-2014) for both Cash & Pass trips.

PASS PAYMENT TRANSACTIONS

Pierce Transit

ANNUAL QUANTITY CALCULATION

PASS TRIPS

	1	2	3	4	5	6	7	8	9	10
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Annual Trip Transactions by Pass Holders:	4,439,880	4,528,080	4,618,080	4,709,980	4,803,480	4,899,240	4,997,160	5,097,103	5,199,045	5,303,026
Monthly Trip Transactions taken by Pass Holders:	369,990	377,340	384,840	392,490	400,290	408,270	416,430	424,759	433,254	441,919
Assumption: 85% of Pass Trips NOT requiring an E-purse transaction:	314,492	320,739	327,114	333,617	340,247	347,030	353,966	361,045	368,266	375,631

TOTAL NUMBER OF PASS PAYMENT TRANSACTIONS PER MONTH:	1	2	3	4	5	6	7	8	9	10
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	314,492	320,739	327,114	333,617	340,247	347,030	353,966	361,045	368,266	375,631

ASSUMPTIONS

- o 85% of Smart Card Pass trips do not require any E-purse transaction.
- o Pass Payment Transactions are only those transactions not requiring any E-purse activity. (85% of Pass Riders)
- o Based on individual agency ridership projections (2005-2014) for Pass trips.

REVALUE TRANSACTIONS

Pierce Transit

QUANTITY CALCULATION

Annual Number of Pass Holders using Smart Card:
 Assumption: Number of Pass Holders who revalue once a month:
 Number of revalue transactions per month for pass holders:

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
377,617	385,406	389,399	393,207	405,625	417,810	429,244	435,593	439,890	444,588	
20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
75,523	77,081	77,880	78,641	81,125	83,562	85,849	87,119	87,978	88,918	

Number of Cash Riders using Smart Card (E-purse):
 Assumption: Number of times/month card is revalued:
 Number of revalue transactions per month for pass holders:

29,826	3	3	3	3	3	3	3	3	3	3
89,479	117,048	142,266	165,356	187,240	208,021	227,750	246,116	263,090	278,846	

Number of revalue transactions/month through 3rd party retailers:
 (15% of total revalue transactions)
 Number of revalue transactions/month NOT through 3rd party retailers:
 (85% of total revalue transactions)

165,002	194,729	220,146	243,997	268,365	291,583	313,599	333,285	351,069	367,763	
24,750	29,119	33,022	36,600	40,255	43,737	47,040	49,985	52,660	55,165	
140,252	165,009	187,124	207,397	228,110	247,846	266,559	283,250	298,408	312,598	

Pierce Transit (Agency % share)

2,281	2,683	3,043	3,373	3,709	4,030	4,335	4,606	4,852	5,083	
12,924	15,205	17,243	19,111	21,019	22,838	24,562	25,100	27,497	28,905	

ASSUMPTIONS

- o 20% of Pass Holders using Smart Card would revalue once a month. This includes:
 - Individual pass holders
 - Employees with subsidized passes using electronic coupons
 - Administrative changes to subsidized passes
- o Cash riders using Smart Card (E-purse) would revalue 3 times a month assuming:
 - Reload discount @ \$20
 - Primarily infrequent riders, some requiring E-purse upgrades
- o Annual number of customers holding smart cards based assumptions defined on "Number of Fare Cards" worksheet over the 10-year contract.
- o Only revalue transactions conducted through 3rd party retailers are charged against the Revalue Transaction Fees. All other revalue transactions are charged against the Pass Payment/ E-purse Transaction Fees.