

## Table of Contents

|   | <b>PAGE</b> |
|---|-------------|
| <b>CHAPTER 1. INTRODUCTION .....</b>                                  | <b>1-1</b>  |
| Study Objectives .....  | 1-1         |
| Yolo County Transportation District Organizational Structure .....    | 1-1         |
| Agreements with Other Transit Operators.....                          | 1-2         |
| Review of Other Studies .....   | 1-3         |
| <b>CHAPTER 2. YOLO COUNTY PROFILE.....</b>                            | <b>2-1</b>  |
| Growth in the County.....   | 2-16        |
| <b>CHAPTER 3. EVALUATION OF YOLOBUS FIXED ROUTE SERVICES .....</b>    | <b>3-1</b>  |
| Overview of Existing YOLOBUS Fixed Route Services .....               | 3-1         |
| Performance Trends.....   | 3-16        |
| Connecting Transit Systems/Other Transportation Providers .....       | 3-27        |
| <b>CHAPTER 4. RIDECHECK AND PASSENGER SURVEY .....</b>                | <b>4-1</b>  |
| <b>CHAPTER 5. YOLOBUS SPECIAL SERVICE OVERVIEW .....</b>              | <b>5-1</b>  |
| Service Overview.....   | 5-1         |
| Service Policies and Parameters .....                                 | 5-1         |
| Trip Booking, Scheduling and Dispatch.....                            | 5-4         |
| Fleet and Fleet Maintenance.....                                      | 5-5         |
| Service Performance .....   | 5-5         |
| ADA Compliance.....   | 5-8         |
| <b>CHAPTER 6. STRATEGIC GOALS AND IMPLEMENTATION STRATEGIES .....</b> | <b>6-1</b>  |
| Board Workshops.....  | 6-1         |
| Mission/Vision Statement .....  | 6-4         |
| Strategic Goals and Implementation Strategies .....                   | 6-4         |
| <b>CHAPTER 7. FIVE YEAR DRAFT SERVICE PLAN .....</b>                  | <b>7-1</b>  |
| Yolobus Fixed Route Service Plan.....                                 | 7-1         |
| Yolobus Special Service Plan .....                                    | 7-34        |
| <b>CHAPTER 8. FINANCIAL PLAN.....</b>                                 | <b>8-1</b>  |
| Financial Plan Scenarios .....  | 8-1         |

## Table of Contents *(continued)*

|                                  | <b>PAGE</b> |
|----------------------------------|-------------|
| Operating Plan.....              | 8-2         |
| YCTD Capital Plan.....           | 8-8         |
| Capital Funding Strategies ..... | 8-11        |
| Growth Scenario .....            | 8-14        |

## Table of Figures

|             | <b>PAGE</b>  |
|-------------|--|
| Figure 2-1  | Top 15 Employers in Yolo County..... 2-3   |
| Figure 2-2  | 2005 Combined Population & Employment Densities..... 2-6                         |
| Figure 2-3  | 2015 Combined Population & Employment Densities..... 2-7                         |
| Figure 2-4  | Senior Population Density 65 Years and Older (2000) ..... 2-8                    |
| Figure 2-5  | Youth Population Density Under 18 Years Old (2000) ..... 2-9                     |
| Figure 2-6  | Density of Households with No Vehicles (2000) ..... 2-10                         |
| Figure 2-7  | Density of Persons with Disabilities over 16 Years Old (2000) 2-11               |
| Figure 2-8  | Top 10 Journey to Work Destinations..... 2-12                                    |
| Figure 2-9  | Top 10 Journey to Work Destinations..... 2-13                                    |
| Figure 2-10 | Top 10 Journey to Work Destinations..... 2-14                                    |
| Figure 2-11 | Top 10 Journey to Work Destinations..... 2-15                                    |
| Figure 2-12 | Top 10 Journey to Work Destinations..... 2-15                                    |
| Figure 2-13 | Recent and Planned Major Developments in Yolo County (Map)2-18                   |
| Figure 2-14 | Recent and Planned Major Developments in Yolo County (List)2-19                  |
|             |  |
| Figure 3-1  | Summary of YOLOBUS Fixed Routes..... 3-2   |
| Figure 3-2  | YOLOBUS Service Hours and Days of Operation, May 2005 ..... 3-6                  |
| Figure 3-3  | YOLOBUS Approximate Service Frequencies, May 2005..... 3-7                       |
| Figure 3-4  | YOLOBUS Fixed Route System Map (Overview) ..... 3-8                              |
| Figure 3-5  | YOLOBUS Fixed Route System Map (Woodland) ..... 3-9                              |
| Figure 3-6  | YOLOBUS Fixed Route System Map (Davis) ..... 3-10                                |
| Figure 3-7  | YOLOBUS Fixed Route System Map (West Sacramento) ..... 3-11                      |
| Figure 3-8  | YOLOBUS Fixed Route Fare Structure ..... 3-12                                    |
| Figure 3-9  | Systemwide Expenses and Revenues – FY 2004 and FY 2005 3-14                      |
| Figure 3-10 | YCTD Fleet as of May 2005 ..... 3-15   |
| Figure 3-11 | Selected Performance Measures and Standards* ..... 3-16                          |
| Figure 3-12 | Operating Statistics and Key Performance Measures (FY 2001 – FY 2004) ..... 3-17 |
| Figure 3-13 | Farebox Recovery Ratio, FY 2001 – FY 2004 ..... 3-18                             |

Table of Figures *(continued)*

|  | PAGE |
|--|------|
| Figure 3-14 Percentage Increase in Cost/Revenue Hour Compared to CPI, FY 2001-FY 2004..... | 3-19 |
| Figure 3-15 Revenue Hours Per Capita, FY 2001-FY 2004 .....                                | 3-20 |
| Figure 3-16 YOLOBUS Annual Ridership and Yolo County Population Growth, 2000-2004 .....    | 3-22 |
| Figure 3-17 YOLOBUS Total Annual Ridership by Route, FY 2004.....                          | 3-23 |
| Figure 3-18 YOLOBUS Productivity by Route and Performance Standards, FY 2004 .....         | 3-25 |
| Figure 3-19 Sample On-Time Performance by Route .....                                      | 3-27 |
|  |      |
| Figure 4-1 Top 10 Boarding Locations, Route 42 .....                                       | 4-2  |
| Figure 4-2 Total Weekday Boardings by Stop, Route 42 .....                                 | 4-3  |
| Figure 4-3 Top 10 Boarding Locations, Routes 210 and 211 .....                             | 4-4  |
| Figure 4-4 Total Weekday Boardings by Stop, Routes 210 and 211 .....                       | 4-5  |
| Figure 4-5 Top 10 Boarding Locations, Routes 40 and 41 .....                               | 4-6  |
| Figure 4-6 Total Weekday Boardings by Stop, Route 40 .....                                 | 4-7  |
| Figure 4-7 Total Weekday Boardings by Stop, Route 41 .....                                 | 4-8  |
| Figure 4-8 Surveys Collected and Estimated Response Rate .....                             | 4-10 |
| Figure 4-9 Trip Purpose (Routes 210 and 211) .....   | 4-11 |
| Figure 4-10 Trip Purpose (Route 42).....   | 4-11 |
| Figure 4-11 Mode of Access to and from the Bus (Routes 210 and 211) ..                     | 4-12 |
| Figure 4-12 Walk Time to the Bus (Routes 210 and 211).....                                 | 4-13 |
| Figure 4-13 Walk Time from Bus (Routes 210 and 211) .....                                  | 4-13 |
| Figure 4-14 Mode of Access (Route 42) .....  | 4-14 |
| Figure 4-15 Walk Time to Bus (Route 42).....   | 4-14 |
| Figure 4-16 Walk Time from Bus (Route 42).....   | 4-15 |
| Figure 4-17 Access to and from the Bus (Routes 210 and 211).....                           | 4-15 |
| Figure 4-18 Access to and from the Bus (Route 42) .....                                    | 4-16 |
| Figure 4-19 Transfer Activity (Routes 210 and 211).....                                    | 4-16 |
| Figure 4-20 Transfer Activity (Route 42) .....   | 4-17 |
| Figure 4-21 Top Five Origin Locations (Routes 210 and 211).....                            | 4-18 |

Table of Figures *(continued)*

|  | <b>PAGE</b> |
|--|-------------|
| Figure 4-22 Top Five Destination Locations (Routes 210 and 211).....                               | 4-18        |
| Figure 4-23 Origin and Destination Pairs (Percent of Trips between Locations)<br>- (Route 42)..... | 4-18        |
| Figure 4-24 Alternatives to Transit (Routes 210 and 211).....                                      | 4-19        |
| Figure 4-25 Alternatives to Transit (Route 42) .....   | 4-20        |
| Figure 4-26 Fare Type (Routes 210 and 211) .....   | 4-21        |
| Figure 4-27 Fare Category (Route 210 and 211) .....  | 4-21        |
| Figure 4-28 Fare Type (Route 42) .....   | 4-22        |
| Figure 4-29 Fare Category (Route 42) .....   | 4-22        |
| <br>   |             |
| Figure 5-1 YOLOBUS Special Service Area Summary .....  | 5-2         |
| Figure 5-2 YOLOBUS Special Service Coverage Hours by Service.....                                  | 5-3         |
| Figure 5-3 DCT and YOLOBUS Special Fares .....   | 5-4         |
| Figure 5-4 Trip Reservation Hours by Service.....  | 5-4         |
| Figure 5-5 YOLOBUS Special Fleet Inventory.....  | 5-5         |
| Figure 5-6 YOLOBUS Special Performance Summary (FY 2001 - FY 2004)..                               | 5-6         |
| Figure 5-7 ADA Compliance .....  | 5-9         |
| <br>   |             |
| Figure 7-1 Summary of Status Quo Service Recommendations - Woodland                                | 7-4         |
| Figure 7-2 Map of Status Quo Service Recommendations - Woodland.....                               | 7-5         |
| Figure 7-3 Summary of Growth Scenario Service Recommendations -<br>Woodland .....                  | 7-7         |
| Figure 7-4 Map of Growth Scenario Service Recommendations - Woodland                               | 7-9         |
| Figure 7-5 Summary of Status Quo Service Recommendations - West<br>Sacramento .....                | 7-14        |
| Figure 7-6 Map of Status Quo Service Recommendations - West Sacramento                             | 7-15        |
| Figure 7-7 Summary of Growth Scenario Service Recommendations - West<br>Sacramento .....           | 7-18        |
| Figure 7-8 Map of Growth Scenario Service Recommendations - West<br>Sacramento .....               | 7-20        |
| Figure 7-9 Summary of Status Quo Service Recommendations - Davis ....                              | 7-24        |

Table of Figures *(continued)*

|             | <b>PAGE</b>   |
|-------------|---|
| Figure 7-10 | Map of Status Quo Service Recommendations - Davis ..... 7-25                                |
| Figure 7-11 | Summary of Growth Scenario Service Recommendations - Davis 7-27                             |
| Figure 7-12 | Map of Growth Scenario Service Recommendations - Davis ... 7-28                             |
| Figure 7-13 | Summary of Growth Scenario Recommendations - Winters/Yolo<br>County ..... 7-31              |
| Figure 7-14 | YCTD Fixed Route Service Plan Recommended Phasing ..... 7-33                                |
| Figure 7-15 | Projected Operating Cost Savings Through Reduction in<br>Revenue Hours and Miles ..... 7-38 |
| Figure 7-16 | Conceptual Streetcar Alignments in West Sacramento ..... 7-46                               |
|             |   |
| Figure 8-1  | Operating Revenues and Costs, YCTD ..... 8-3  |
| Figure 8-2  | Projected TDA funds for YCTD Operations ..... 8-5   |
| Figure 8-3  | FTA Section 5307 Funds to YCTD ..... 8-6  |
| Figure 8-4  | FTA Section 5311 and Section 5316 Funds to YCTD ..... 8-7                                   |
| Figure 8-5  | Capital Funding Plan ..... 8-9  |
| Figure 8-6  | YCTD Vehicle Inventory, 2005 ..... 8-10   |
| Figure 8-7  | Total TDA Claim ..... 8-14  |
| Figure 8-8  | Comparison of Status Quo and Growth Scenarios ..... 8-15                                    |
| Figure 8-9  | TDA requirements for Growth Scenario, assuming status quo<br>funding splits ..... 8-15      |
| Figure 8-10 | Potential Funding Sources for Growth ..... 8-16   |