



Table of Contents

Executive Summaryiii

Chapter 1. Introduction 1

 1.1 Background..... 1

 1.2 Study Objectives..... 2

 1.3 Study Assumptions..... 3

 1.4 Study Sponsors..... 4

Chapter 2. Pavement Needs Assessment..... 5

 2.1. Methodology and Assumptions..... 5

 2.1.1 Filling In the Gaps5

 2.1.2 Pavement Needs Assessment Goal..... 6

 2.1.3 Maintenance and Rehabilitation Treatment Types and Costs 6

 2.1.4 Escalation Factors8

 2.2. Average Network Condition 9

 2.3 Unpaved Roads12

 2.4 Pavement Needs12

Chapter 3. Essential Components’ Needs Assessment14

 3.1 Data Collection.....14

 3.2 Model Verification14

 3.3 Determination of Essential Components’ Needs15

 3.4 Impact of NPDES Regulations15

 3.4.1 Background & Overview 16

 3.4.2 Contra Costa County 17

 3.4.3 El Dorado County (Tahoe Basin Portion) 18

 3.3.4 City of Encinitas 19

 3.4.5 City of San Jose 20

 3.4.6 Conclusions 21

Chapter 4. Funding Analyses.....23

 4.1 Pavement Revenue Sources.....23

 4.2 Pavement Expenditures.....25

 4.3 Essential Components’ Revenue Sources26

 4.4 Essential Component Expenditures.....27

 4.5 Funding Shortfalls.....28

 4.6 Pavement Funding Scenarios28





<i>4.7 Funding to Maintain Network at BMP</i>	<i>33</i>
<i>4.8 Summary</i>	<i>34</i>
<i>Chapter 5. Bridges</i>	<i>35</i>
<i>5.1 Replacement & Rehabilitation Costs.....</i>	<i>35</i>
<i>5.2 Bridge Funding</i>	<i>37</i>
<i>Chapter 6. Summary.....</i>	<i>38</i>
<i>Appendix A. Data Collection</i>	
<i>Appendix B. Pavement Needs for Each Scenario by County</i>	
<i>Appendix C. Essential Component Needs by County</i>	
<i>Appendix D. Transportation Funding in California Fact Sheet: Proposition 42, the March 2010 Transportation Tax Swap, and Propositions 22 and 26</i>	

