

CONTENTS

List of Figures	xiii
Foreword	xvii
Preface	xix
Acknowledgments	xxi

1. Introduction to Master Planning and the Road Map Approach 1

2. Why the Road Map Approach? 3

A Case for Master Planning Libraries	3
Constant Change	4
Drivers of Change	5
Technology	5
Habits	5
Services	5
Security	6
Change Manifestations	8
Digital Impact on Print Collections	8
Material Focused to People Focused	8
Seating Variety	8
Collaboration and Group Study	9
Quiet Space and Individual Study	9
Self-Service and Changes in Service Delivery	9
Library as Third Place	10
Creation Studios and Makerspaces: “Hands-on Learning”	10
Digital Media Studios	12
Information/Learning/Research Commons	12
Specialized Teaching Spaces	14

Inhibitors	14
Libraries Are Inherently Inflexible	14
Remedy: Adaptability	15
Libraries Are Inherently Furniture Intensive	15
Remedy: Flexible Furniture	15
Libraries Are Undersized	16
Remedy #1: Relocation/Consolidation/Cooperation	16
Remedy #2: Workflow Efficiency/Flexibility	17
Libraries Are Financially Challenged	17
Traditional Master Planning versus the Road Map Approach	17
Benefits of the Road Map Approach	20
Road Maps Offer Flexibility and Phased Implementation	20
Road Maps Create Hope	20
Road Maps Allow for Adjustments along the Way	21
Road Maps Demonstrate Leadership	21
Road Maps Demonstrate Sustainability	21
Challenges to the Road Map Approach	21
Obtaining Internal Buy-In	21
Convincing Decision Makers	22
Those Resistant to Change	22
Everyone's an Expert	22
Who Not to Include	22
Competing Interests	23
Funding the Implementation	23
Conclusion	23
3. Process 25	
Step 1: Assess/Analyze	26
Surrounding Context	26
Previously Published Visionary Documents	26
Local Zoning and Planning Ordinances	26
Existing Facility	26
Current Building Codes	26
Evaluation of Current Systems	26
Structural Capacity	27
Accessibility Requirements	27
Deferred Maintenance Issues	27
Presence of Hazardous Materials	27
Interior/Environmental Qualities	27
Internal Processes	27
Fixtures, Furnishings, and Equipment Review	27
Collection Management Evaluation	27
Special Collections and Archives	27

Functionality and Workflow Analysis	28
Partners and Tenants	28
Step 2: Engage/Listen	29
Why Is the Engagement Process Important?	31
What Does the Engagement Process Entail?	32
A Typical Engagement Meeting Outline	32
Introductions	32
Process, Project, and Purpose	32
Optional 5- to 10-Minute Presentation	32
Community Conversation	32
Wrap-Up	34
Participatory Exercise	34
Step 3: Program/Define	36
What Is a Building Program?	36
The Purpose and Creation of a Building Program	37
Print Collections	40
Issue: What to Retain?	40
Issue: Which Collections Will Grow or Diminish over Time?	40
Issue: Where Should Retained Materials Be Located?	40
Issue: How Should What Remains Be Stored or Displayed?	40
Collection Summary	40
Sizing the Collections	42
Shelving the Collections	44
Step 4: Design/Plan	45
Conceptual Design Process	45
Conceptual Design versus Final Design	46
An Iterative Process	46
Step 5: Phasing/Strategize	49
Guiding Principles for Phasing Plans	49
Step 6: Estimate/Budget	51
Total Project Cost	51
Hard Costs	51
Soft Costs	54
Summary	56

4. Collection Storage Strategies 59

Print Collections.	61
Traditional Shelving	61
Compact Shelving	62
High-Bay Storage	64
Automated Storage Retrieval Systems	64
Off-Site Repositories	65
Summary	65

Special Collections and Archives 65

 Considerations 65

 Materials 67

 University Archives 67

 Manuscript Collections 67

 Rare Books 67

 Summary 67

5. Anatomy of a Library Budget 69

Budgeting for a Library Project 69

 Cost, Quantity, and Quality 69

Total Project Budget 70

 Hard Costs 72

 Line I: Total Estimated Construction Cost (Totals Lines A and B) 72

 Line A: Construction Cost 72

 Line B: Design Contingency 72

 Soft Costs 72

 Line II: Total Estimated FF&E (Totals Lines D.1–E.9) 73

 Lines D.1–D.3: Furniture, Shelving, and Signage 73

 Line E.1: Theft Detection/RFID System 73

 Line E.2: Building Security System 73

 Line E.3: Access Control System 73

 Line E.4: Telephone System 73

 Line E.5: Voice and Data Cabling 73

 Line E.6: Audiovisual Equipment 73

 Line E.7: Computer Hardware and Software 73

 Line E.8: Specialized Library Equipment 74

 Line E.9: Copiers 74

 Line E.10: Other 74

 Line III: Total Estimated Professional Compensation (Totals Lines F.1–F.5) 74

 Line F.1: Pre-Design Services 74

 Line F.2: Architectural and Engineering Basic Design Services 74

 Line F.3: FF&E Design Services 75

 Line F.4: Additional Services 75

 Line F.5: Reimbursable Expenses 75

 Line IV: Total Estimated Owner Expenses (Totals Lines G.1–G.3) 75

 Line G.1: Pre-Design Phase Expenses 75

 Line G.2: Design and Construction Phase Expenses 75

 Line G.3: Post-Construction Expenses 76

 Line V: Total Estimated Probable Project Cost 76

6. Getting Started 77

Where to Begin	77
Clean House	77
Evaluate the Collections	78
Identify and Take Advantage of Underutilized Wall Space	78
Identify and Repurpose Underutilized Space That May Exist	80
Identify Where Wrong Furniture Is Being Used and Fix It	80
Declutter Work Areas to Increase Efficiency.	81
Moving Forward with a Road Map	81
RFQ versus RFP	82
The Selection Process	82
Consultant Qualities	84
Chemistry	84
Involvement	84
Architect or Not?	84

7. Case Studies 85

8,000-Square-Foot Public Library	86
25,000-Square-Foot Academic Library	92
32,000-Square-Foot Academic Library	102
40,000-Square-Foot Public Library	118
180,000-Square-Foot Academic Library	126
300,000-Square-Foot Academic Library	142

Bibliography	169
Index	171
About the Authors	173