
LIST OF FIGURES

ES-1	Potential North-South Alignments Evaluated	ES-2
ES-2	DNA Corridor LPA Implementation Schedule	ES-22
1.0-1	Project Location	1-2
1.0-2	Alignment Alternatives.....	1-4
2.1-1	DNA Corridor Study Area Segments.....	2-3
2.2-1	History of the DNA Corridor.....	2-5
2.3-1	Alternatives Analysis Process	2-9
4.1-1	2000 to 2025 Projected Population Change, DNA Corridor Study Area	4-3
4.1-2	2000 to 2025 Projected Employment Change, DNA Corridor Study Area	4-4
4.1-3	Existing Transit Service.....	4-8
4.1-4	DNA Corridor Study Area Roadways	4-10
5.4-1	Alignments Carried Forward from the Level Two Screening Process.....	5-11
5.4-2	Existing I-5 Typical Section	5-19
5.4-3	Truxel Road at Pebblestone Way in South Natomas.....	5-20
5.4-4	Alternative 2: Baseline/TSM Alternative	5-22
5.4-5	Alternative 3: Truxel LRT Alignment.....	5-23
5.4-6	Cross Section for Alternative 3: Truxel LRT Mixed Flow Option, i4 South Natomas	5-24
5.4-7	Alternative 3A: Truxel LRT Starter Line Alignment.....	5-25
5.4-8	Cross Section for Alternative 3A: Truxel LRT Starter Line in South Natomas	5-26
5.4-9	Alternative 3B: Truxel LRT MOS Alignment	5-27
5.4-10	Alternative 4: Truxel BRT Alignment	5-29

LIST OF FIGURES (CONT'D)

5.4-11	Typical Section for Alternative 4: Truxel BRT in South Natomas	5-30
5.4-12	Alternative 4A: Truxel BRT Starter Line Alignment	5-31
5.4-13	Alternative 4B: Truxel BRT MOS Alignment.....	5-32
5.4-14	Alternative 5:I-5/Truxel LRT Alignment	5-34
5.4-15	Typical Section for Alternative 5: I-5/Truxel LRT Along I-5	5-35
5.4-16	Alternative 6: I-5/Truxel BRT Alignment.....	5-36
5.4-17	Typical Section for Alternative 6: I-5/Truxel BRT Along I-5	5-37
5.4-18	Alternative 7: I-5 LRT Alignment	5-38
5.4-19	Alternative 8: I-5 BRT Alignment	5-40
5.5-1	Downtown Design Options	5-44
5.5-2	South Natomas Design Options	5-44
5.5-3	Typical Section for Exclusive Median Single-Track with Single-Track Mixed Flow in South Natomas.....	5-44
5.5-4	Design Options in North Natomas.....	5-45
5.5-5	Design Options in the Airport Area.....	5-45
7.1-1	One-Half Mile Radii Around Stations.....	7-4
7.3-1	Truxel Road Corridor – Arena Boulevard Station Illustrative Plan	7-28
7.3-2	I-5 Corridor – Commerce Parkway Station Illustrative Plan	7-29
8.1-1	Decision Tree Summary.....	8-2
8.8-1	Locally Preferred Alternative	8-9
9.3-1	FTA LPA Development Process.....	9-3
9.4-1	DNA LPA Implementation Schedule	9-11

LIST OF TABLES

ES-1	Summary of Physical, Operational, and Cost Characteristics of the Alternatives	ES-8
ES-2	Summary of Capital Costs for DNA Alternatives (Millions of 2002\$).....	ES-11
ES-3	Summary of Systemwide Operating and Maintenance Costs for DNA Alternatives (Millions of 2002\$)	ES-12
ES-4	Evaluation of Alternatives by Goal #1: Mobility and Operational Efficiencies	ES-15
ES-5	Evaluation of Alternatives by Goal #2: Encourage Patterns of Smart Growth	ES-16
ES-6	Evaluation of Alternatives by Goal #3: Find Cost-Effective Solutions	ES-16
ES-7	Evaluation of Alternatives by Goal #4: Minimize Community and Environmental Impacts.....	ES-17
ES-8	Evaluation of Alternatives by Goal #5: Ensure Consistency with Other Planning Efforts.....	ES-18
ES-9	Evaluation of Alternatives by Goal #6: Obtain Strong Community Support	ES-18
3.3-1	DNA Corridor Meetings	3-5
4.1-1	Projected Population and Employment Growth in the DNA Corridor Study Area	4-2
4.1-2	2003 Transit Demand in the DNA Corridor	4-6
4.1-3	Existing and Planned Lane Geometry on Interstates 5 and 80	4-11
4.1-4	Year 2025 Traffic Volumes and Levels of Service on Interstates 5 and 80 in the DNA Corridor.....	4-13
5.1-1	Goals and Objectives for the DNA Corridor	5-1
5.1-2	Evaluation Criteria for Comparing and Screening DNA Alternatives.....	5-2
5.2-1	Initial Long List of Alternatives	5-4
5.3-1	Alternatives Carried Forward Based on the Level One Screening.....	5-6
5.3-2	Alignments Carried Forward Based on the Level Two Screening	5-7

LIST OF TABLES (CONT'D)

5.4-1 Summary of Physical, Operational, and Cost Characteristics of the Alternatives 5-14

5.4-2 Alternative 1: No-Build Alternative 2025 Transit Service..... 5-17

5.4-3 Alternative 2: Baseline/TSM 2025 Transit Service 5-20

5.5-1 DNA Alternative Design Options 5-41

6.1-1 Summary of Capital Costs for DNA Alternatives, (Millions of 2002\$)..... 6-2

6.2-1 Summary of Annual Systemwide Operating and Maintenance Costs for DNA Alternatives for 2025 (Millions of 2002\$)..... 6-4

7.1-1 Year 2025 Average Transit Travel Times..... 7-2

7.1-2 Comparison of Households and Employment within ½ Mile of Stations by Alignment 7-5

7.1-3 Year 2025 Annual Systemwide Linked Transit Trips (Thousands) 7-6

7.1-4 Year 2025 Average Weekday Transit Trips 7-7

7.1-5 Year 2025 Average Systemwide Weekday Transit Boardings..... 7-8

7.1-6 Change in Year 2025 Auto Travel to Downtown Sacramento 7-8

7.1-7 Year 2025 Transit Line Haul Time and Frequency, Downtown to Airport 7-9

7.1-8 Year 2025 Average Daily Air Passenger Trips by Transit..... 7-9

7.1-9 Intersection Levels of Service: Existing and Year 2025 Alternative 1: No-Build 7-11

7.1-10 Impacted Intersections by Alternative 7-16

7.1-11 Year 2025 Park-and-Ride Spaces by Alternative Alignment and Segment 7-17

7.1-12 Park and Ride Locations for the Truxel Alignment Alternatives (Alternatives 3, 3A, 3B, 4, 3A, 3B) 7-18

7.1-13 Park and Ride Locations for the I-5/Truxel Alignment Alternatives (Alternatives 5, 6) 7-19

LIST OF TABLES (CONT'D)

7.1-14	Park and Ride Locations for the I-5 Alignment Alternatives (Alternatives 7, 8)	7-19
7.2-1	Environmental Impacts Segment	7-21
7.2-2	Environmental Effects of LRT and BRT Technologies	7-22
7.2-3	Truxel LRT Alternatives.....	7-23
7.2-4	Summary of Impacts Assuming the Basic Alignment for Each Alternative	7-24
7.4-1	FTA Cost Per User Benefit Measure.....	7-30
7.5-1	Existing and Potential DNA Study Funding Sources.....	7-32
7.5-2	DNA Capital Funding Plan Based on an Estimated Construction Cost \$370 - \$400 Million (2002\$)	7-33
7.7-1	Evaluation of Alternatives by Goal #1: Mobility and Operational Efficiencies	7-40
7.7-2	Evaluation of Alternatives by Goal #2: Encourage Patterns of Smart Growth	7-41
7.7-3	Evaluation of Alternatives by Goal #3: Find Cost-Effective Solutions	7-41
7.7-4	Evaluation of Alternatives by Goal #4: Minimize Community and Environmental Impacts.....	7-42
7.7-5	Evaluation of Alternatives by Goal #5: Ensure Consistency with Other Planning Efforts.....	7-43
7.7-6	Evaluation of Alternatives by Goal #6: Obtain Strong Community Support	7-43
7.7-7	Summary of Major Technical Advantages and Disadvantages.....	7-44
8.8-1	Design Options to be Carried Forward as Part of the Locally Preferred Alternative	8-10
8.8-2	Design Option to be Dropped from the Locally Preferred Alternative	8-13
9.4-1	LPA Implementation Action Plan.....	9-4