

## LIST OF FIGURES

Figure ES-1	C-470 Corridor Project Area .....	ES-1
Figure 1-1	C-470 Corridor Project Area .....	1-1
Figure 2-1	Regional Planning Process For Tolling Projects.....	2-3
Figure 2-2	Planned FastConnects Bus Service .....	2-5
Figure 2-3	Screening Process Schedule .....	2-7
Figure 2-4	Screening Process and Results.....	2-10
Figure 2-5	No-Action Alternative Typical Section .....	2-12
Figure 2-6	General Purpose Lane Alternative Typical Section.....	2-13
Figure 2-7	Improved Diamond Interchange with Southbound to Eastbound Flyover at Santa Fe Drive .....	2-14
Figure 2-8	Express Lanes Alternative Typical Section.....	2-17
Figure 2-9	Express Lanes Alternative Access Types and Locations .....	2-18
Figure 2-10	I-25 Interchange Express Lanes Alternative .....	2-19
Figure 2-11	Light Rail Transit Typical Section Concept on the C-470 Corridor .....	2-22
Figure 2-12	Conceptual Light Rail Transit Alignment on the C-470 Corridor .....	2-23
Figure 2-13	Six-Lane General Purpose Lanes Alternative.....	2-32
Figure 2-14	Six-Lane General Purpose Lanes with Auxiliary Lanes Alternative .....	2-33
Figure 2-15	Six-Lane GPL with High-Occupancy Vehicle Lanes Alternative.....	2-33
Figure 2-16	Six-Lane General Purpose Lanes with Auxiliary and High-Occupancy Vehicle Lanes Alternative .....	2-34
Figure 2-17	Eight-Lane General Purpose Lanes.....	2-34
Figure 2-18	Reversible Express Lanes Alternative .....	2-35
Figure 2-19	Two-Lane Express Lanes Alternative.....	2-35
Figure 2-20	Split Diamond Interchange Alternative .....	2-36
Figure 2-21	Three-Level Diamond Interchange (a) Alternative .....	2-37
Figure 2-22	Three-Level Diamond Interchange (b) Alternative .....	2-37
Figure 2-23	Southwest Partial Cloverleaf Interchange Alternative .....	2-38
Figure 2-24	Southwest Partial Cloverleaf Interchange with One Flyover Alternative .....	2-38
Figure 2-25	Southwest Partial Cloverleaf Interchange with Two Flyovers Alternative .....	2-39
Figure 2-26	Improved Diamond Interchange Alternative .....	2-39
Figure 2-27	Improved Diamond Interchange with Two Flyovers Alternative .....	2-40

Figure 2-28	Single Point Urban Interchange Alternative .....	2-40
Figure 2-29	Single Point Urban Interchange with One Flyover Alternative .....	2-41
Figure 2-30	Single Point Urban Interchange with Two Flyovers Alternative .....	2-41
Figure 2-31	Southwest-Northeast Partial Cloverleaf Interchange (a) Alternative.....	2-42
Figure 2-32	Southwest-Northeast Partial Cloverleaf Interchange (b) Alternative .....	2-42
Figure 2-33	Southwest-Northeast Partial Cloverleaf Interchange (c) Alternative.....	2-42
Figure 2-34	Southwest-Northwest Partial Cloverleaf Interchange Alternative .....	2-43
Figure 2-35	Directional Interchange Alternative .....	2-43
Figure 2-36	I-25 Direct Connection Alternative A.....	2-44
Figure 2-37	I-25 Direct Connection Alternative B.....	2-45
Figure 2-38	I-25 Direct Connection Alternative C .....	2-45
Figure 2-39	I-25 Direct Connection Alternative D.....	2-46
Figure 2-40	I-25 Slip Ramp Alternative A.....	2-47
Figure 2-41	I-25 Slip Ramp Alternative B .....	2-47
Figure 2-42	I-25 Slip Ramp Alternative with Westbound Collector Distributor .....	2-48
Figure 3-1	Population Density.....	3-3
Figure 3-2	Minority Populations by Block Group.....	3-8
Figure 3-3	Percentages of Households Below 30 Percent AMI .....	3-10
Figure 3-4	Santa Fe Drive Interchange at Wolhurst.....	3-11
Figure 3-5	Existing Land Use.....	3-21
Figure 3-6	Parks and Recreation Resources.....	3-26
Figure 3-7a	Existing (2003) Traffic Volumes.....	3-31
Figure 3-7b	Existing (2003) Traffic Volumes.....	3-32
Figure 3-8	Existing (2003) Hourly Traffic Volumes(West of Yosemite Street) .....	3-36
Figure 3-9	C-470 Mainline Highway Accident Type Distribution January 1, 2000 to December 31, 2002.....	3-38
Figure 3-10	C-470 Interchange Accident Type Distribution January 1, 2000 to December 31, 2002.....	3-38
Figure 3-11	Existing (2003) Santa Fe Drive Traffic Volumes.....	3-39
Figure 3-12a	2025 No-Action Alternative Traffic Volumes.....	3-42
Figure 3-12b	2025 No-Action Alternative Traffic Volumes.....	3-43
Figure 3-13a	2025 General Purpose Lanes Alternative Traffic Volumes.....	3-48
Figure 3-13b	2025 General Purpose Lanes Alternative Traffic Volumes.....	3-49
Figure 3-14a	2025 Express Lanes Alternative Traffic Volumes .....	3-54

Figure 3-14b 2025 Express Lanes Alternative Traffic Volumes .....3-55

Figure 3-15 Access to Colorado Boulevard From the Express Lanes .....3-57

Figure 3-16 NAC B (Residential Type) Noise Impact Locations .....3-72

Figure 3-17 Potential Noise Mitigation Locations .....3-78

Figure 3-18 Surface Water Resources .....3-81

Figure 3-19 Floodplain Locations.....3-90

Figure 3-20 Historic Resources .....3-93

Figure 3-21 Hazardous Material Sites .....3-107

Figure 3-22 C-470 Corridor View Shed Map.....3-110

Figure 3-23 Dakota Hogback View Shed .....3-111

Figure 3-24 Chatfield State Park View Shed.....3-111

Figure 3-25 McClellan Reservoir and South Platte Park View Shed .....3-112

Figure 3-26 Downtown Denver Skyline View Shed.....3-112

Figure 3-27 Denver Technological Center View Shed .....3-113

Figure 3-28 Existing Santa Fe Drive Interchange.....3-113

Figure 3-29 Architectural Treatment on Retaining and Noise Walls .....3-114

Figure 3-30 Architectural Treatment on Bridge Abutments .....3-115

Figure 3-31 Retaining Wall Photo Simulation at Chatfield State Park .....3-115

Figure 3-32 General Purpose Lanes with Improved Santa Fe Interchange .....3-116

Figure 3-33 Improved Santa Fe Drive Interchange .....3-116

Figure 3-34 Express Lanes with Improved Santa Fe Drive Interchange .....3-117

Figure 3-35 Colorado Boulevard Interchange T-Ramp (looking west) .....3-118

Figure 3-36 Quebec Street Interchange Braided Ramps .....3-119

Figure 3-37 Wildlife Habitat .....3-134

Figure 3-38 Potential Threatened/Endangered Wildlife Locations .....3-141

Figure 3-39 Wetland Locations.....3-147