



---

## TABLE OF CONTENTS

---

	<u>Page</u>
4.17 PARKS AND RECREATIONAL AREAS.....	4.17-1
4.17.1 Affected Environment.....	4.17-1
4.17.1.1 Existing Parks And Recreational Resources .....	4.17-1
4.17.1.2 Proposed Parks and Recreational Facilities.....	4.17-17
4.17.1.3 Existing and Planned Recreational Trails .....	4.17-17
4.17.2 Environmental Consequences .....	4.17-23
4.17.2.1 No Action Alternative .....	4.17-23
4.17.2.2 Impacts Common to All Build Alternatives.....	4.17-23
4.17.2.3 Freeway Alternative.....	4.17-24
4.17.2.4 Tollway Alternative .....	4.17-26
4.17.2.5 Regional Arterial Alternative.....	4.17-28
4.17.2.6 Combined Alternative (Recommended Alternative) .....	4.17-29
4.17.3 Section 6(f) Resources.....	4.17-30
4.17.3.1 Section 6(f) Impacts .....	4.17-30
4.17.4 Summary of Impacts .....	4.17-30
4.17.5 Suggested Mitigation .....	4.17-32
4.17.5.1 Impacted Parks and recreational Resources.....	4.17-32



---

## LIST OF FIGURES

---

	<u>Page</u>
Figure 4.17-1 Existing and Proposed Parks and Recreational Opportunities-Study Area .....	4.17-13
Figure 4.17-2 Existing and Proposed Parks and Recreational Opportunities-Northern Portion .....	4.17-14
Figure 4.17-3 Existing and Proposed Parks and Recreational Opportunities-Central Portion .....	4.17-15
Figure 4.17-4 Existing and Proposed Parks and Recreational Opportunities-Southern Portion .....	4.17-16
Figure 4.17-5 Existing and Planned Trails-Northern Portion.....	4.17-20
Figure 4.17-6 Existing and Planned Trails-Central Portion.....	4.17-21
Figure 4.17-7 Existing and Planned Trails-Southern Portion .....	4.17-22

---

## LIST OF TABLES

---

	<u>Page</u>
Table 4.17-1 Existing Parks and Recreational Facilities.....	4.17-2
Table 4.17-2 Proposed (Funded) Parks and Recreational Facilities.....	4.17-17
Table 4.17-3 Existing and Planned Trails.....	4.17-17
Table 4.17-4 Summary of Park and Recreational Impacts .....	4.17-31



## **4.17 PARKS AND RECREATIONAL AREAS**

### **INTRODUCTION**

The study area offers numerous parks and recreational opportunities in a large variety of landscapes. A majority of the terrain in the study area is rolling, undeveloped grassland that allows for more passive recreational opportunities. In contrast, there are several urban parks and recreational facilities in the developed areas that are easily accessible and suitable for many uses. Regional lakes and riparian corridors provide trails and seasonal recreational opportunities. Detailed information on parks and recreation facilities located within the study area was obtained through close coordination with local jurisdictions, which included reviewing existing plans, obtaining digital GIS data, and conducting one-on-one meetings. In some cases, field verification was also performed.

### **4.17.1 AFFECTED ENVIRONMENT**

There are 240 existing parks and recreational areas in the study area. Parks range from regional, multi-use facilities to neighborhood pocket parks. There also are open space parcels that function as recreational areas because they are publicly accessible and provide recreational opportunities, mostly in the form of trails.

Trails provide access as well as an opportunity for recreational activity. Generally, trails are public, multi-purpose areas that are used for non-motorized recreational purposes, such as hiking, biking, jogging, strolling, skating, mountain biking, walking, and horseback riding. Parks and recreational facilities that meet the criteria for Section 4(f) protection are discussed thoroughly (see **Chapter 5**).

#### **4.17.1.1 EXISTING PARKS AND RECREATIONAL RESOURCES**

There are several types of parks and recreational resources within the study area. They can generally be categorized as described below. A list of the existing parks and recreational areas within the study area along with their locations is provided (see **Table 4.17-1**, **Figure 4.17-1**, **Figure 4.17-2**, and **Figure 4.17-3**).

##### **REGIONAL PARKS AND RECREATIONAL FACILITIES**

The study area has several parks and recreational parcels that are important regional amenities. Regional parks typically involve jurisdictional partnerships that contribute to the development and maintenance of the park. These areas serve residents throughout the Front Range and are regionally recognized. Also, privately and publicly owned and managed golf courses in the study area qualify as regional resources.

##### **COMMUNITY PARKS AND RECREATIONAL FACILITIES**

While generally smaller than regional parks, community parks and recreational resources provide opportunities for community activities and facilities. Community parks often have a diverse selection of amenities that serve residents within three miles of the park.

##### **NEIGHBORHOOD PARKS AND RECREATIONAL FACILITIES**

These parks are smaller parcels that generally serve residents within 0.5 mile of the park. They often include playgrounds, picnic facilities, paved trails, tennis courts, basketball courts, large grass areas, and landscaping. Neighborhood parks are commonly dispersed throughout a city according to a typical 0.5-mile radius and feature easy access for residents in the surrounding area.

##### **SPORTS COMPLEXES**

The study area contains several publicly owned parcels with facilities and fields dedicated to sporting events. Tennis courts and baseball, softball, soccer, and football fields constitute parcels that qualify as sports complexes.



**OPEN SPACES**

Open space areas include land and water parcels that remain in a predominantly natural or undeveloped state. The intention of open space acquisition varies from growth management to habitat protection and/or passive recreation. However, it must be noted that not all open space allows public access or use. Many areas defined as open space are used as conservation easements or agricultural lands. Smaller open space parcels are often coordinated with neighboring open space acquisitions to create buffers or corridors. Jurisdictional authority belongs to either the county open space department or municipal parks and recreation departments. Open space properties listed in **Table 4.17-1** are publicly accessible and offer one or more recreational opportunities, usually in the form of trails (see **Table 4.17-3**).

*Table 4.17-1 Existing Parks and Recreational Facilities*

Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
1	Majestic View Community Park	Arvada	Community park	No Impact	Yes
2	Ralston Ballfields	Arvada	Sports complex	No Impact	Yes
3	West Woods Golf Course	Arvada	Regional recreational facility	No Impact	Yes
4	O'Kane Park	Arvada	Undeveloped community park	No Impact	Yes
5	Maple Valley Park	Arvada	Neighborhood park	No Impact	Yes
6	Ralston Valley Park	Arvada	Neighborhood park	No Impact	Yes
7	Danny Kendricks Park	Arvada	Neighborhood park	No Impact	Yes
8	Lakecrest Park	Arvada	Neighborhood park	No Impact	Yes
9	Michael Northey Park	Arvada	Neighborhood park	No Impact	Yes
10	Tucker Lake Open Space	Arvada	Multi-use open space for trail and public utility purposes	No Impact	Yes*
11	Leyden Lake Open Space	Arvada	Open space trail and recreational property	Direct Impact	Yes
12	Memorial Park	Arvada	Community park and recreational facility	No Impact	Yes
13	Moon Gulch Park	Arvada	Neighborhood park	No Impact	Yes
14	Oak Park	Arvada	Community park and recreational facility	No Impact	Yes
15	Quaker Acres	Arvada	Neighborhood park	No Impact	Yes
16	Rainbow III Park	Arvada	Neighborhood park	No Impact	Yes
17	Sierra Park	Arvada	Neighborhood park	No Impact	Yes
18	Standley Lake Library Park	Arvada	Neighborhood park	No Impact	Yes
19	Terrace Park	Arvada	Community park and recreational facility	No Impact	Yes



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
20	Jack B. Tomlinson Park	Arvada	Community park and recreational facility	No Impact	Yes
21	Melody Park	Arvada	Neighborhood park	No Impact	Yes
22	Rainbow II Park	Arvada	Neighborhood park	No Impact	Yes
23	Pearce Open Space	Arvada	Open space trail property	No Impact	Yes*
24	Ralston Cove Park	Arvada	Neighborhood park	No Impact	Yes
25	Saddlebrook Park	Arvada	Neighborhood park	No Impact	Yes
26	Arvada Center	Arvada	Community theater and park	No Impact	Yes
27	74 <sup>th</sup> and Carr Park	Arvada	Undeveloped neighborhood park	No Impact	Yes
28	Club Crest North Park	Arvada	Community park and recreational facility	No Impact	Yes
29	Bridgeside Park	Arvada	Neighborhood park	No Impact	Yes
30	Club Crest South Park	Arvada	Neighborhood park	No Impact	Yes
31	Apple Meadows Park	Arvada	Community park and recreational facility	No Impact	Yes
32	Fitzmorris Park	Arvada	Neighborhood park	No Impact	Yes
33	Farmstead Park	Arvada	Neighborhood park	No Impact	Yes
34	Ladybug Park	Arvada	Neighborhood park	No Impact	Yes
35	Marge Roberts Park	Arvada	Neighborhood park	No Impact	Yes
36	McIlvoy Park	Arvada	Neighborhood park	No Impact	Yes
37	Meadow Brook Village Park	Arvada	Undeveloped neighborhood park	No Impact	Yes
38	Meadow Lake Park	Arvada	Neighborhood park	No Impact	Yes
39	MacArthur Park	Arvada	Neighborhood park	No Impact	Yes
40	Eagleview Estates Park	Arvada	Neighborhood park	No Impact	Yes
41	Russell Park	Arvada	Neighborhood park	No Impact	Yes
42	Beeman Park	Arvada	Neighborhood park	No Impact	Yes
43	Lake Arbor Golf Club	Arvada	Regional recreational facility	No Impact	Yes
44	Hackberry Park	Arvada	Community park and recreational facility	No Impact	Yes



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
45	Thundercloud Park	Arvada	Neighborhood park	No Impact	Yes
46	Lake Arbor Parkway	Arvada	Open space trail property	No Impact	Yes*
47	Lake Arbor Community Park	Arvada	Community park	No Impact	Yes
48	Wadsworth Park	Arvada	Neighborhood park	No Impact	Yes
49	Hoskinson Park	Arvada	Neighborhood park	No Impact	Yes
50	Creekside Park	Arvada	Neighborhood park	No Impact	Yes
51	Lew Walsh Park	Arvada	Neighborhood park	No Impact	Yes
52	Foster Ballfields	Arvada	Sports complex	No Impact	Yes
53	Columbine Park	Arvada	Community park and recreational facility	No Impact	Yes
54	Arvada/Blunn Reservoir Open Space	Arvada	Multiuse open space for recreational trails, fishing, and public utility purposes.	No Impact	Yes*
55	School Stadium Complex	Arvada	Sports complex	No Impact	Yes
56	Rock Creek Farm	Arvada	Neighborhood park	No Impact	Yes
57	Ralston Road Open Space	Arvada	Open space trail property	No Impact	Yes*
58	Westree Park	Arvada	Neighborhood park	No Impact	Yes
59	Woodrun Park	Arvada	Community recreational facility	No Impact	Yes
60	Yankee Doodle Park and Greenbelt	Arvada	Neighborhood park and drainage control property	No Impact	Yes
61	Mountain Shadows Open Space	Arvada	Open space trail property	No Impact	Yes*
62	Patridge Open Space	Arvada	Multi-use open space for recreational trails, non-recreational public and utility purposes	No Impact to recreational portion of property	Yes*
63	Westlake Park	Arvada	Neighborhood park	No Impact	Yes
64	Broad Lake Open Space	Arvada	Open space trail property	Direct impact	Yes*
65	Davis Lane Park	Arvada	Neighborhood park	No Impact	Yes
66	Meadow Glen Park	Arvada	Undeveloped neighborhood park	No Impact	Yes
67	Westwoods Park	Arvada	Community park and recreational facility	No Impact	Yes



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
68	Volunteer Fire Fighters Park (formerly Rainbow I Park)	Arvada	Neighborhood park	No Impact	Yes
69	Harry S. Truman Park	Arvada	Neighborhood park	No Impact	Yes
70	Indiana Equestrian Center	Arvada/North Jefferson County	Regional park and recreational facility	No Impact	Yes
71	Youth Memorial Sports Complex	Arvada/North Jefferson County	Sports complex	No Impact	Yes
72	Arvada Tennis Center	Arvada/North Jefferson County	Sports complex	No Impact	Yes
73	Secrest Park and Outdoor Pool	Arvada/North Jefferson County	Regional park and recreational facility	No Impact	Yes
74	Pioneer Sports Complex	Arvada/North Jefferson County	Sports complex	No Impact	Yes
75	Long Lake Ranch Regional Park	Arvada/North Jefferson County	Regional park and recreational facility	No Impact	Yes
76	Stenger Sports Complex	Arvada/North Jefferson County	Sports complex	No Impact	Yes
77	North Jefferson County Recreation Center Park	Arvada/North Jefferson County	Regional park and recreational facility	No Impact	Yes
78	Lac Amora Open Space	Broomfield	Multi-use open space for trails and land preservation purposes	No Impact	Yes*
79	Stengel II Open Space	Boulder	Multi-use open space for trail and land preservation purposes	No Impact	Yes*
80	West Rudd Open Space	Boulder	Multi-use open space or trail and irrigation purposes	No Impact	Yes*
81	Greenbelt Plateau Open Space	Boulder	Multi-use open space for trail and land preservation purposes	No Impact	Yes*
82	Flat Irons Vista Open Space	Boulder	Open space trail property	No Impact	Yes*
83	Kelsall Open Space	Boulder	Open space trail property	No Impact	Yes*
84	Miramonte Park West	Broomfield	Neighborhood park	No Impact	Yes
85	Miramonte Park East	Broomfield	Neighborhood park	No Impact	Yes
86	Varra Park	Broomfield	Neighborhood park	No Impact	Yes
87	Zang Spur Park	Broomfield	Community park and recreational facility	No Impact	Yes
88	Richard Steele Park	Broomfield	Neighborhood park	No Impact	Yes



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
89	Midway Park North Park	Broomfield	Community park and recreational facility	No Impact	Yes
90	Walnut Creek Greenway	Broomfield	Open space trail property	No Impact	Yes*
91	Parkway Circle Open Space	Broomfield	Open space trail property	No Impact	Yes*
92	Mitchem Property	Broomfield	Open Space with recreational opportunities	No Impact	Yes*
93	Josh's Pond Open Space	Broomfield	Open space trail property	No Impact	Yes*
94	Miner's Park	Broomfield	Neighborhood park	No Impact	Yes
95	Lookout Mountain Hang Glider Landing Zone	Colorado School of Mines	Community recreational facility	No Impact	Yes
96	Estates Park	Foothills Park and Recreation	Neighborhood park	No Impact	Yes
97	Tract M Park	Foothills Park and Recreation	Neighborhood park	No Impact	Yes
98	6 <sup>th</sup> Avenue West Park and Pool	Foothills Park and Recreation	Community park and recreational facility	No Impact	Yes
99	Lions Park	Golden	Community park	No Impact	Yes
100	Lions Ballfield	Golden	Community recreational facility	No Impact	Yes
101	Tony Grampas Sports Complex	Golden	Sports complex	No Impact	Yes
102	White Ash Mine Park	Golden	Neighborhood park	Direct impact	Yes
103	New Loveland Mine Park	Golden	Neighborhood park	No Impact	Yes
104	Vanover Park	Golden	Neighborhood park	No Impact	Yes
105	Southridge Park	Golden	Neighborhood park	No Impact	Yes
106	Beverly Heights Park	Golden	Neighborhood park	No Impact	Yes
107	Ulysses Ball Park	Golden	Community recreational facility	No Impact	Yes
108	Golden Heights Park	Golden	Neighborhood park	No Impact	Yes
109	Heritage Dells Park	Golden	Neighborhood park	No Impact	Yes
110	Cressman Park	Golden	Neighborhood park and drainage control property	No Impact	Yes



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
111	Cressman Court Pocket Park	Golden	Neighborhood park	No Impact	Yes
112	Golden Mile/Hartmeister Park	Golden	Community park and recreational facility	No Impact	Yes
113	Golden RV Park	Golden	Community recreational facility	No Impact	Yes
114	Eagle Ridge Park	Golden	Neighborhood park	No Impact	Yes
115	Mesa Meadows Open Space	Golden	Open space with recreational opportunities	No Impact	Yes*
117	Cressman Gulch Open Space	Golden	Open space trail property and drainage control property	No Impact	Yes*
118	Bradburn Open Space	Golden	Open space with recreational opportunities	No Impact	Yes*
119	Canyon View Open Space	Golden	Open space trail property	No Impact	Yes*
120	Clear Creek Park	Golden	Community park	No Impact	Yes
122	Fossil Trace Golf Course	Golden	Regional recreational facility	No Impact	Yes
123	Norman D. Park	Golden	Neighborhood park	No Impact	Yes
124	Parfet Estates Park	Golden	Neighborhood park	No Impact	Yes
125	Kilgroe Hogback Park	Golden	Community park	No Impact	Yes
126	Ironwood Park	Jefferson County	Community park	No Impact	Yes
127	White Ranch Park	Jefferson County	Regional park and recreational facility	No Impact	Yes
128	Jefferson County Fairgrounds	Jefferson County	Fairgrounds	No Impact	No
129	Jefferson County Open Space Fairgrounds	Jefferson County	Fairgrounds	No Impact	No
130	Rooney Hogback	Jefferson County	Community park and recreational facility	No Impact	Yes
131	Apex Park	Jefferson County	Open space with recreational opportunities	No Impact	Yes*
132	North Table Mountain Park	Jefferson County	Multi-use open space for recreational trails, utility purposes, and viewshed preservation purposes	No Impact to recreational portion of the property	Yes*



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
133	Mt. Galbraith Park	Jefferson County	Multi-use open space for recreational trails and viewshed preservation purposes	No Impact	Yes*
134	Hanging Gardens Open Space	Jefferson County	Open space trail property	No Impact	Yes*
135	Windy Saddle Park	Jefferson County	Multi-use open space for recreational trails, transportation purposes, and viewshed preservation purposes	Indirect Impact	No
136	Lookout Mountain Nature Preserve	Jefferson County	Open space with recreational opportunities	No Impact	Yes*
137	Welchster Tree Grant Park	Jefferson County	Neighborhood park	No Impact	Yes
138	Matthews/Winters Park	Jefferson County	Regional park and recreational facility	No Impact	Yes
139	Van Bibber Creek Open Space	Jefferson County/Arvada	Open space trail property and drainage control property	No Impact	Yes*
140	Bellows Park	Lakewood	Neighborhood park	No Impact	Yes
141	Daniels Park	Lakewood	Neighborhood park	No Impact	Yes
142	Chester Portsmouth Park	Lakewood	Neighborhood park	No Impact	Yes
143	Graham Park	Lakewood	Neighborhood park	No Impact	Yes
144	YMCA Park	Lakewood	Community park and recreational facility	No Impact	Yes
145	Hilltop Park	Lakewood	Neighborhood park	No Impact	Yes
146	Union Square Park	Lakewood	Neighborhood park	No Impact	Yes
147	Wright Park	Lakewood	Neighborhood park	No Impact	Yes
148	Foothills Park	Lakewood	Community park and recreational facility	No Impact	Yes
149	Peterson Park	Lakewood	Neighborhood park	No Impact	Yes
150	Ken Knutson Park	Lakewood	Neighborhood park	No Impact	Yes
151	Blue Star Memorial Park	Lakewood	Neighborhood park	No Impact	Yes
152	Idlewild Park	Lakewood	Neighborhood park	No Impact	Yes
153	Taft Park	Lakewood	Neighborhood park	No Impact	Yes



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
154	Triangle Park	Lakewood	Neighborhood park	No Impact	Yes
155	Westland Park	Lakewood	Neighborhood park	No Impact	Yes
156	Mountainside Park	Lakewood	Neighborhood park	No Impact	Yes
157	William F. Hayden Park	Lakewood	Neighborhood park	No Impact	Yes
158	McNabb Park	Lakewood	Neighborhood park	No Impact	Yes
159	Sunset Park	Lakewood	Neighborhood park	No Impact	Yes
160	Gary R. McDonnell Park	Lakewood	Community park and recreational facility	No Impact	Yes
161	Union Ridge Park	Lakewood	Neighborhood park	No Impact	Yes
162	Thunder Valley Park	Lakewood	Neighborhood park	No Impact	Yes
163	Coal Creek Golf Course	Louisville	Regional recreational facility	No Impact	Yes
164	Heritage Park	Louisville	Neighborhood park	No Impact	Yes
165	Daughenbaugh Open Space	Louisville	Open Space with recreational opportunities	No Impact	Yes*
166	Davidson Mesa Trail Open Space	Louisville	Open space trail property	No Impact	Yes*
167	Warembourg Open Space	Louisville	Open Space with recreational opportunities	No Impact	Yes*
168	Dutch Creek Park	Louisville/ Boulder County	Neighborhood park	No Impact	Yes
169	Community Park	Louisville/ Boulder County	Neighborhood park	No Impact	Yes
170	Indian Tree Golf Course Arvada	North Jefferson County	Regional recreational facility	No Impact	Yes
171	North Jefferson County Senior Recreation Center	North Jefferson County	Community park and recreational facility	No Impact	Yes
172	North Jefferson County Racquetball and Recreation Center	North Jefferson County	Community park and recreational facility	No Impact	Yes
173	Apex Center Fitness Center	North Jefferson County	Community park and recreational facility	No Impact	Yes
174	George J. Meyers Indoor Pool	North Jefferson County	Community park and recreational facility	No Impact	Yes
175	Janice G. Eckhardt Community Center	North Jefferson County	Community park and recreational facility	No Impact	Yes



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
176	Lake Arbor Center and Outdoor Pool	North Jefferson County	Community park and recreational facility	No Impact	Yes
177	Harold D. Lutz Sports Complex and Batting Cages	North Jefferson County	Sports complex	No Impact	Yes
178	Omni Interlocken Golf Course	Private	Regional recreational facility	Direct Impact	No
179	Parfet Fossil Viewing Area	Private	Regional park	Direct Impact	No
180	Sun Microsystems Recreation Area	Private	Community recreational facility	Direct Impact	No
181	Fairmount Park	Prospect Recreation and Park District	Neighborhood park	No Impact	Yes
182	Crestview Arena	Prospect Recreation and Park District	Community park and recreational facility	No Impact	Yes
183	Prospect Arena	Prospect Recreation and Park District	Community park and recreational facility	No Impact	Yes
184	Arapahoe Park	Prospect Recreation and Park District	Neighborhood park	No Impact	Yes
185	Maple Grove Park	Prospect Recreation and Park District	Neighborhood park	No Impact	Yes
186	Tanglewood Park	Prospect Recreation and Park District	Neighborhood park	No Impact	Yes
187	Applewood Park	Prospect Recreation and Park District	Neighborhood park	No Impact	Yes
188	Purple Park	Superior	Neighborhood park	No Impact	Yes
189	Rock Creek Community Park	Superior	Community park and recreational facility	No Impact	Yes
190	Coyote Ridge Open Space	Superior	Open space with recreational opportunities	No Impact	Yes*
191	Rock Creek Open Space	Superior	Open space with recreational opportunities	No Impact	Yes*
192	Colorado Hills Dog Park	Westminster	Community park and recreational facility	No Impact	Yes
193	Heritage Golf Course	Westminster	Regional recreational facility	No Impact	Yes
194	Green Knolls Park	Westminster	Neighborhood park	No Impact	Yes
195	West View Recreation Center	Westminster	Community park and recreational facility	No Impact	Yes



Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
196	Chelsea Park	Westminster	Neighborhood park	No Impact	Yes
197	Mayfair Park	Westminster	Neighborhood park and drainage control facility	No Impact	Yes
198	Kensington Park	Westminster	Neighborhood park	No Impact	Yes
199	Westbrook Park	Westminster	Neighborhood park	No Impact	Yes
200	Trailside Park	Westminster	Neighborhood park	No Impact	Yes
201	Countryside Ball Fields	Westminster	Community park and recreational facility	No Impact	Yes
202	Oakhurst Park	Westminster	Neighborhood park	No Impact	Yes
203	Kings Mill Park	Westminster	Neighborhood park	No Impact	Yes
204	Somerset Park	Westminster	Neighborhood park	No Impact	Yes
205	Dover Square Park	Westminster	Neighborhood park	No Impact	Yes
206	Nottingham Park	Westminster	Neighborhood park	No Impact	Yes
207	Church Ranch Open Space	Westminster	Open space with recreational opportunities	No Impact	Yes*
208	Walnut Creek Open Space	Westminster	Open space trail property	No Impact	Yes*
209	Ketner Lake Open Space	Westminster	Open space trail property	No Impact	Yes*
210	West 106 <sup>th</sup> Avenue Park	Westminster	Neighborhood park	No Impact	Yes*
211	Colorado Hills Open Space	Westminster	Open space with recreational opportunities	No Impact	Yes*
212	Farmers Highline Canal Open Space	Westminster	Open space trail property	No Impact	Yes*
213	Niver Canal Open Space	Westminster	Open space with recreational opportunities	No Impact	Yes*
214	Sheridan Green Open Space	Westminster	Open space with recreational opportunities	No Impact	Yes*
215	Westcliff Greenbelt Open Space	Westminster	Open space with recreational opportunities	No Impact	Yes*
216	Lower Church Lake Open Space	Westminster	Open space trail property	No Impact	Yes*
217	Big Dry Creek Open Space	Westminster	Open space trail property	No Impact	Yes*
218	Little Dry Creek Park	Westminster	Neighborhood park	No Impact	Yes

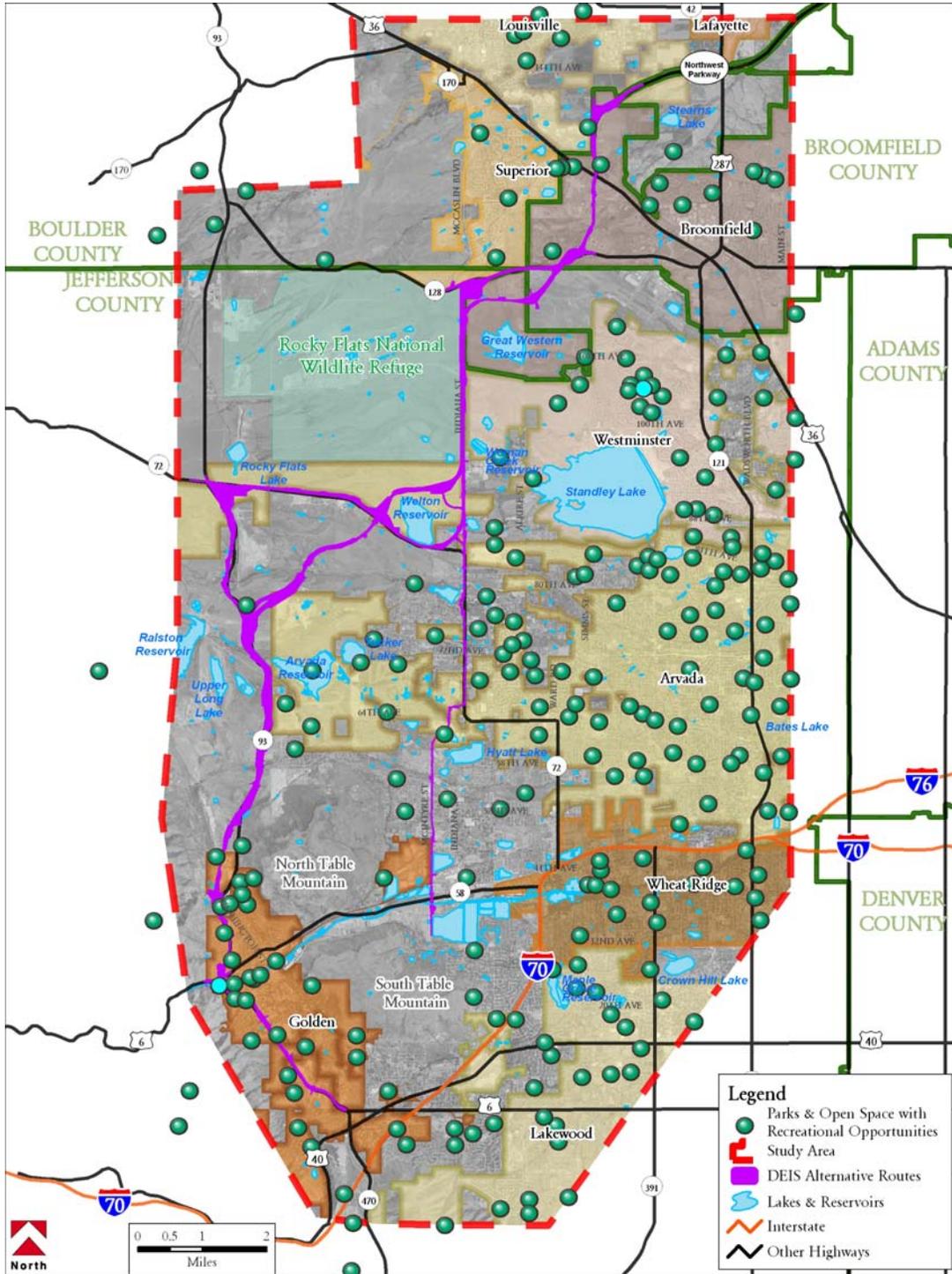


Display ID	Name	Jurisdiction	Description	Impacts	Would Section 4(f) Protection Apply?
219	Countryside Open Space	Westminster	Open space with recreational opportunities	No Impact	Yes*
220	Stanley Lake Park	Westminster	Regional park	No Impact	Yes
221	Stoney Creek Golf Course	Westminster	Regional recreational facility	No Impact	Yes
222	Countryside Recreation Center Parcel	Westminster	Community park and recreational facility	No Impact	Yes
223	A.E. Anderson Park	Wheat Ridge	Community park and recreational facility	No Impact	Yes
224	Tabor St. Park	Wheat Ridge	Neighborhood park	No Impact	Yes
225	Prospect Park	Wheat Ridge	Community park and recreational facility	No Impact	Yes
226	Baugh Property	Wheat Ridge	Neighborhood park	No Impact	Yes
227	Wheat Ridge Historical Park and Sodhouse	Wheat Ridge	Community park	No Impact	Yes
228	Fruitdale Park	Wheat Ridge	Neighborhood park	No Impact	Yes
229	Wheat Ridge Recreation Center	Wheat Ridge	Community recreational facility	No Impact	Yes
230	Einerson Property	Wheat Ridge	Neighborhood park	No Impact	Yes
231	Paramount Park	Wheat Ridge	Neighborhood park	No Impact	Yes
232	Louise Turner Park	Wheat Ridge	Neighborhood park	No Impact	Yes
233	Boyd's Crossing Park	Wheat Ridge	Neighborhood park	No Impact	Yes
234	Happiness Gardens	Wheat Ridge	Neighborhood park	No Impact	Yes
235	Johnson Park	Wheat Ridge	Neighborhood park	No Impact	Yes
236	Town Center Park	Wheat Ridge	Neighborhood park	No Impact	Yes
237	Apel-Bacher Park	Wheat Ridge	Neighborhood park	No Impact	Yes
238	Bonnie's Park	Wheat Ridge	Neighborhood park	No Impact	Yes
239	Wheat Ridge Greenbelt	Wheat Ridge	Community park and recreational facility	No Impact	Yes
240	Lewis Meadows Park	Wheat Ridge	Neighborhood park	No Impact	Yes

Note: \*Only the identified recreational portion of the multi-purpose open space property is protected by Section 4(f).

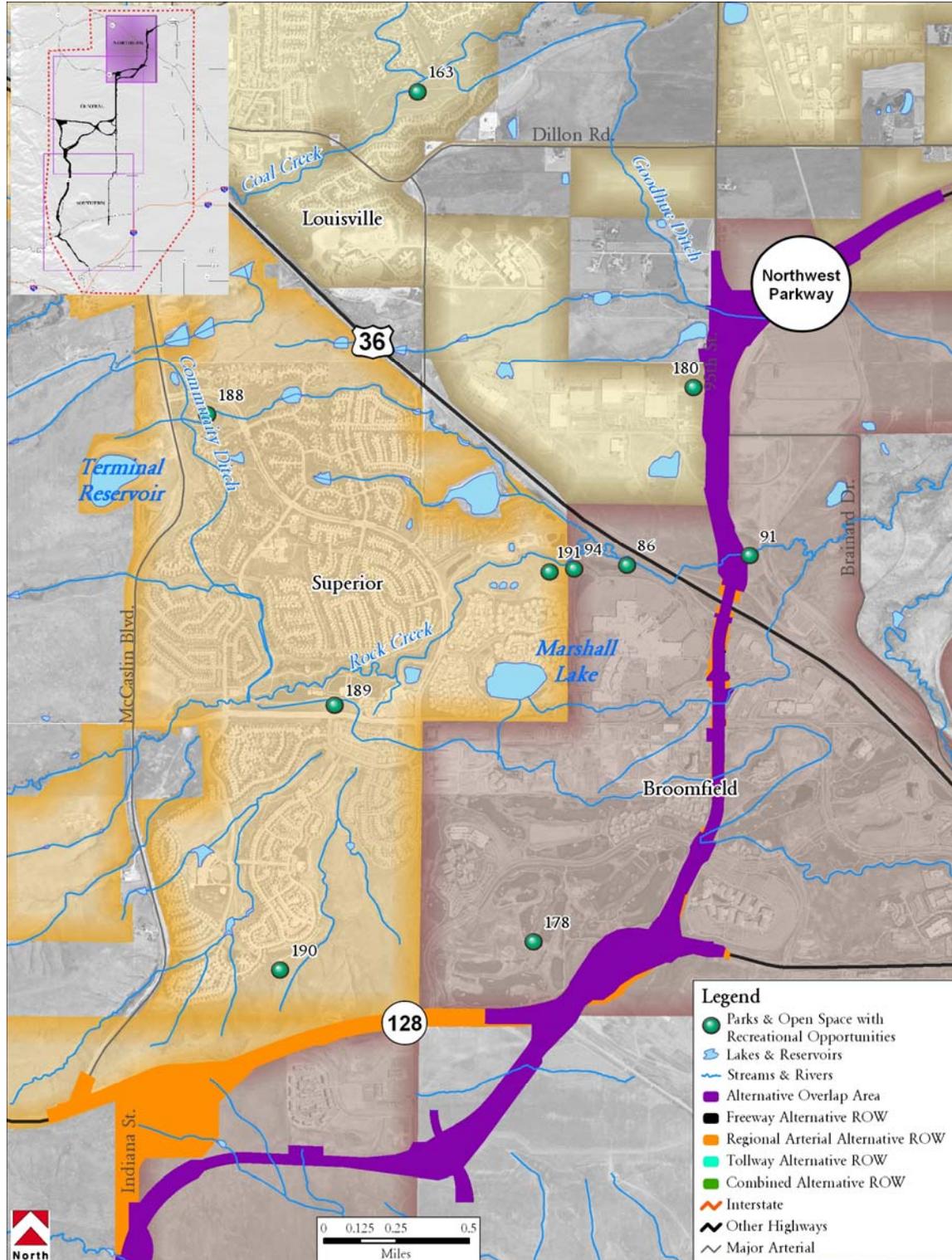
Source: *Compiled by Carter & Burgess, 2005.*

*Figure 4.17-1 Existing and Proposed Parks and Recreational Opportunities-Study Area*



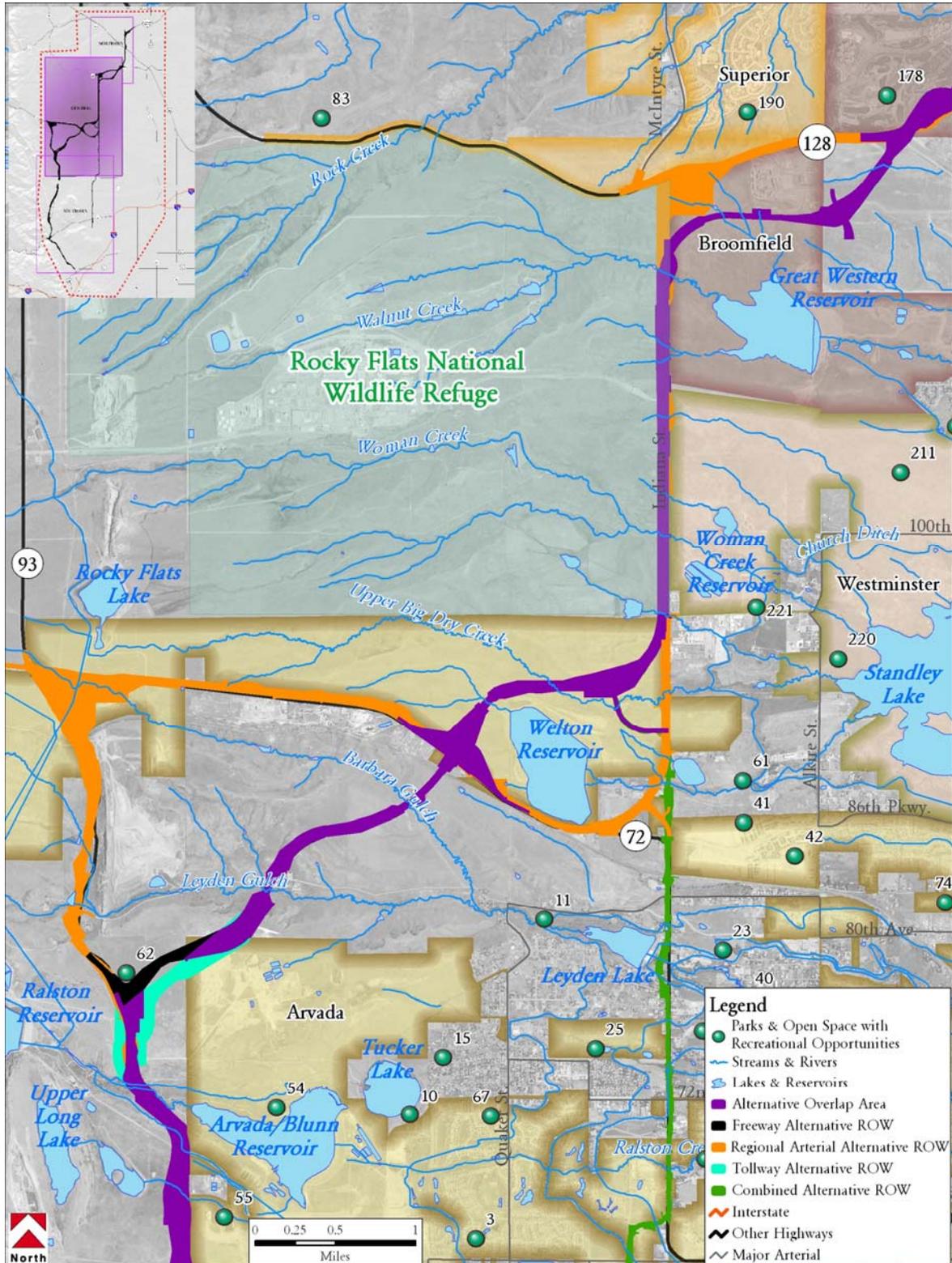
Source: Compiled by FHU, 2006.

*Figure 4.17-2 Existing and Proposed Parks and Recreational Opportunities-Northern Portion*



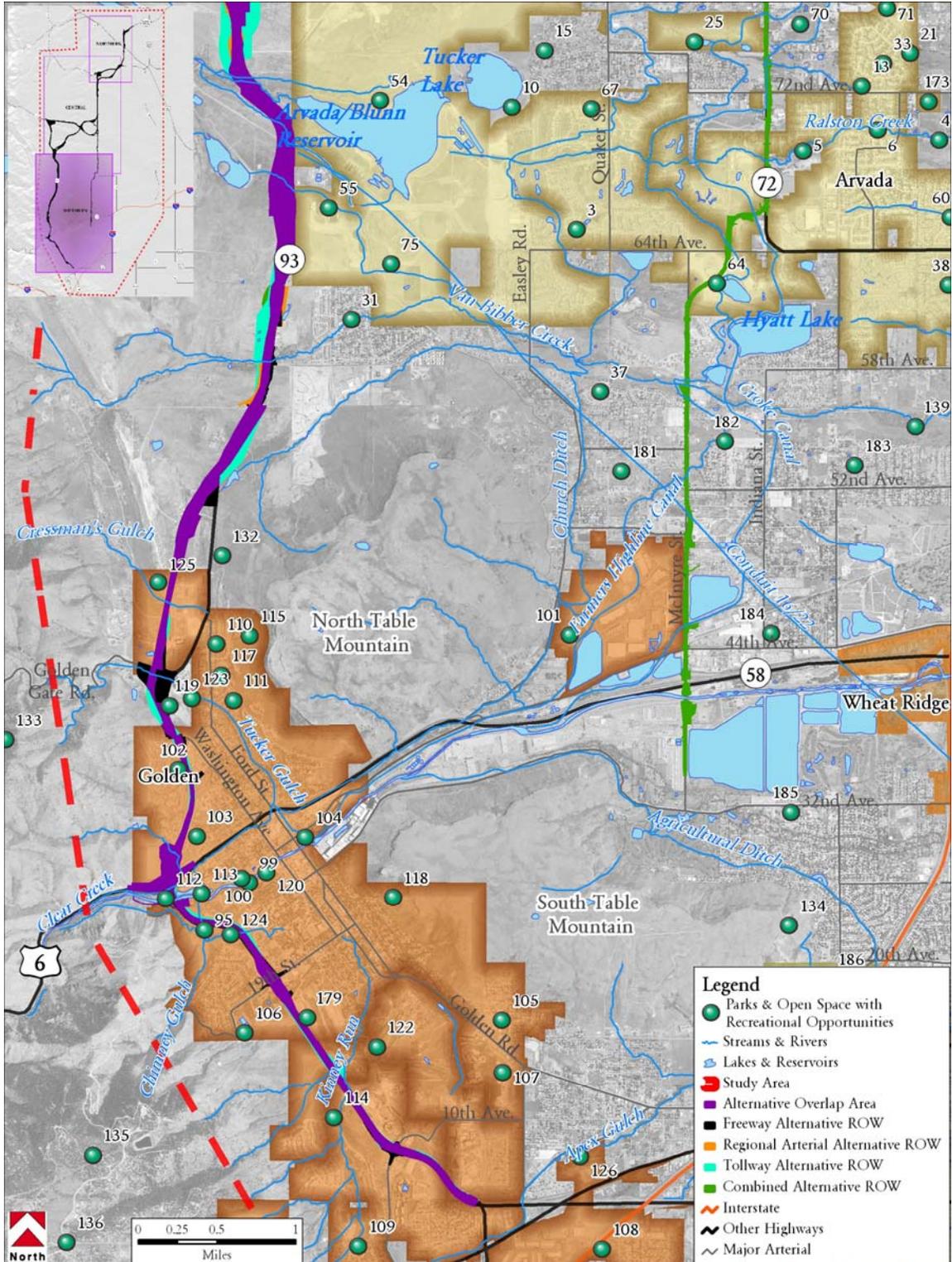
Source: Compiled by FHU, 2006.

Figure 4.17-3 Existing and Proposed Parks and Recreational Opportunities-Central Portion



Source: Compiled by FHU, 2006.

*Figure 4.17-4 Existing and Proposed Parks and Recreational Opportunities-Southern Portion*



Source: Compiled by FHU, 2006.



#### 4.17.1.2 PROPOSED PARKS AND RECREATIONAL FACILITIES

The proposed parks and recreational facilities listed have funds slated for park development (see **Table 4.17-2**). In addition to these facilities, many of the municipalities have identified the general locations of future parks, but have set aside no funding for development. New parks and recreational facilities depend on the level of community need, available funding, and resource planning. Funding sources can be varied and their use highly competitive—local government general funds, park fees, land dedications, governmental grants, or tax allocations—meaning that local agencies can not always provide a precise schedule for acquisition or construction of proposed parks or recreational resources. Only those planned parks and recreational facilities identified by local agencies as having both drafted design plans and a prioritized funding stream for the near term have been considered in **Table 4.17-2**.

*Table 4.17-2 Proposed (Funded) Parks and Recreational Facilities*

Display ID	Name	Jurisdiction	Impacts	Would Section 4(f) Apply?	Section 4(f) Use?
76	Stenger Addition	Arvada	No Impact	Yes	No
241	Sunrise Ridge Park	Arvada	No Impact	Yes	No

*Source: Compiled by Carter & Burgess, 2005.*

#### 4.17.1.3 EXISTING AND PLANNED RECREATIONAL TRAILS

Trail continuity is protected by 23 USC 109(m) Protection of Non-motorized Transportation Traffic, which states that any transportation action that disrupts non-motorized transportation traffic by severing a route or inflicting impacts to the route must provide a reasonable alternative route.

Over 64 recreational trails have been built or are planned by various public and private entities and compose the regional and local pedestrian, bicycle, and equestrian recreational network within the study area (see **Table 4.17-3**, **Figure 4.17-5**, **Figure 4.17-6**, and **Figure 4.17-7**). Multi-jurisdictional or segmented trails sharing a common alignment have been consolidated under a single trail reference. Many trails are located on existing recreational properties and are not considered separately. In addition to these facilities, many of the municipalities have identified the general locations of future trails, but have not secured near-term funding for development, have not yet acquired a trail easement, and/or have not specified firm trail alignments.

Therefore, these trails are not included in **Table 4.17-3**.

*Table 4.17-3 Existing and Planned Trails*

Trail ID	Trail Name	Agency	Trail Status	Impact	Section 4(f) Use?
T-AR-2	Van Bibber Creek Trail	Arvada/Westminster/ Jefferson County	Existing with planned segments	No Impact	No
T-AR-4	Hyatt Lake Trail	Arvada	Planned	No Impact	No
T-AR-6	Wildflower Ponds Trail	Arvada	Existing	No Impact	No
T-AR-8a	McIntyre Street Trail	Arvada	Existing with planned segments	No Impact	No
T-AR-10	Ralston Creek Trail	Arvada	Existing	No Impact	No
T-AR-11	W 72 <sup>nd</sup> Avenue Trail	Arvada	Existing	No Impact	No



Trail ID	Trail Name	Agency	Trail Status	Impact	Section 4(f) Use?
T-AR-16	Croke Canal Trail	Arvada	Planned	No Impact	No
T-AR-18	Barbara Ann Trail	Arvada	Planned	No Impact	No
T-AR-19	Little Dry Creek - SH 72 Trails	Arvada	Existing with planned segments	Direct Impact	Yes
T-AR-20	Welton Reservoir Trail	Arvada	Planned	No Impact	No
T-AR-21	Meadows at Westwood Trail	Arvada	Existing	No Impact	No
T-AR-22b	Un-named	Arvada	Planned	No Impact	No
T-AR-23	Big Dry Creek- Upper Twin Lakes Trails	Arvada	Planned	Direct Impact	Yes
T-AR-26	Un-named	Arvada	Existing	No Impact	No
T-AR-27	Un-named	Arvada	Planned	No Impact	No
T-AR-28a	64 <sup>th</sup> Avenue Trail	Arvada	Existing with planned segments	No Impact	No
T-AR-32	Farmers Highline Canal	Arvada	Planned	No Impact	No
T-AR-34	Leyden Trail	Arvada	Existing with planned segments	Direct Impact	No
T-AR-37	Un-named	Arvada	Planned	No Impact	No
T-BC-1	SH 128 Bike Path	Boulder County	Existing	No Impact	No
T-BC-3	Burlington Northern Railroad Bike Trail	Boulder County	Proposed without easement or funding	No Impact	No
T-BC-4	Rock Creek Trail	Boulder County	Existing	No Impact	No
T-BC-5	Un-named	Boulder County	Planned	No Impact	No
T-BR-1	Hwy 128/Interlocken Loop	Broomfield	Existing	No Impact	No
T-BR-2	Interlocken Loop Bike Trails	Broomfield	Existing	Direct Impact	Yes
T-BR-3	Zip Shuttle Path	Broomfield	Existing	No Impact	No
T-BR-4	Coalton Road to Zip Shuttle	Broomfield	Existing	No Impact	No
T-BR-5	Interlocken Boulevard	Broomfield	Existing	No Impact	No
T-BR-6	Un-named	Broomfield	Existing	No Impact	No
T-BR-7	Un-named	Broomfield	Existing	No Impact	No
T-BR-8	StorageTek Drive Trail	Broomfield	Existing	Direct Impact	Yes
T-BR-9	Unnamed	Broomfield	Planned	No Impact	No
T-BR-10	Unnamed	Broomfield	Existing	No Impact	No
T-BR-11	Un-named	Broomfield	Planned	No Impact	No

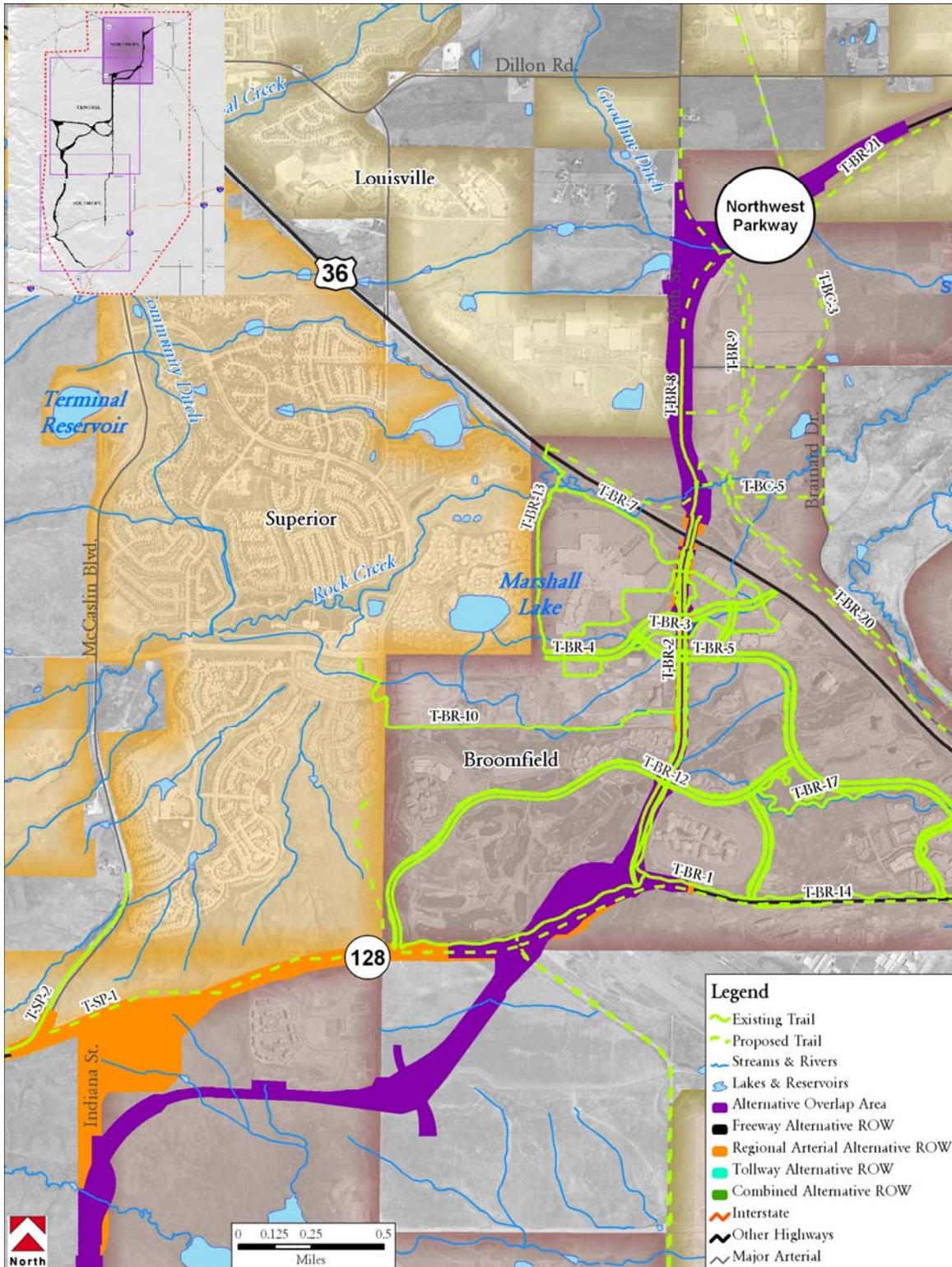


Trail ID	Trail Name	Agency	Trail Status	Impact	Section 4(f) Use?
T-BR-12	Eldorado Boulevard Bike Lane	Broomfield	Existing	No Impact	No
T-BR-13	Un-named	Broomfield	Existing	No Impact	No
T-BR-14	Un-named	Broomfield	Planned	No Impact	No
T-BR-15	Un-named	Broomfield	Planned	No Impact	No
T-BR-16	Un-named	Broomfield	Planned	No Impact	No
T-BR-17	Un-named	Private	Existing	No Impact	No
T-BR-20	Un-named	Broomfield	Planned	No Impact	No
T-BR-21	Northwest Parkway Trail	Broomfield	Planned	No Impact	No
T-GL-1	C470 Trail	Golden	Existing	No Impact	No
T-GL-5	Johnson Road Trail	Golden	Existing	No Impact	No
T-GL-7	Fossil Trace/Splash Trail	Golden	Existing	No Impact	No
T-GL-9	US Highway 6 and State Highway 93 Trail	Golden	Existing with planned segments	Direct Impact	Yes
T-GL-11	Illinois Street Trail	Golden	Existing	No Impact	No
T-GL-12b	Clear Creek Trail-south bank	Golden	Planned	No Impact	No
T-GL-19	Golden Gate Trail	Golden	Planned	No Impact	No
T-GL-23a	19 <sup>th</sup> Street	Golden	Existing	No Impact	No
T-GL-24	Lariat Loop	Golden	Existing	No Impact	No
T-GL-25	Un-named	Golden	Existing	No Impact	No
T-GL-26	Heritage Road Trail	Golden	Planned	No Impact	No
T-GL-27	Un-named	Golden	Proposed without easement	No Impact	No
T-GL-28	Maple Street Trail	Golden	Planned	No Impact	No
T-JC-4	Clear Creek Trail	Jefferson County	Existing	No Impact	No
T-JC-12	SH 93 Trail	Jefferson County	Planned	No Impact	No
T-JC-15	West 52 <sup>nd</sup> Avenue Trail	Jefferson County	Existing	No Impact	No
T-JC-17	Jefferson County Municipal Complex Trails	Golden/Jefferson County	Existing	Direct Impact	Yes
T-JC-29	North Table Mountain Trail	Jefferson County	Planned	No Impact	No
T-PR-1	Prospect Trail	Prospect	Existing	Direct Impact	Yes
T-SP-1	Level 3 Trail	Superior	Planned	No Impact	No
T-SP-2	McCaslin Boulevard Bike Path	Superior	Existing with planned segments	No Impact	No

Note: Not currently defined in sufficiently detail for evaluation.

Source: Compiled by Carter & Burgess, 2006.

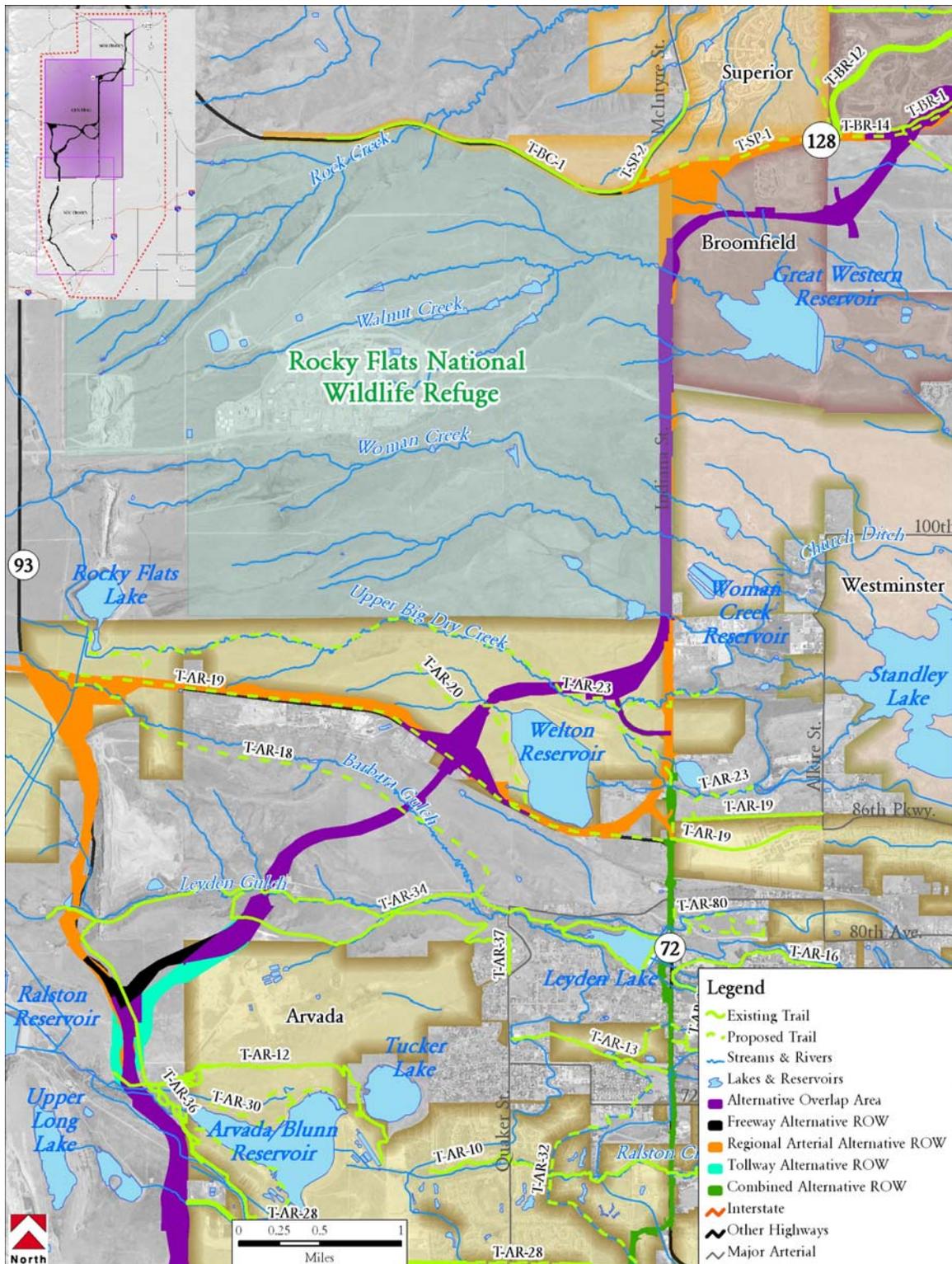
Figure 4.17-5 Existing and Planned Trails-Northern Portion



Source: Compiled by FHU, 2006.

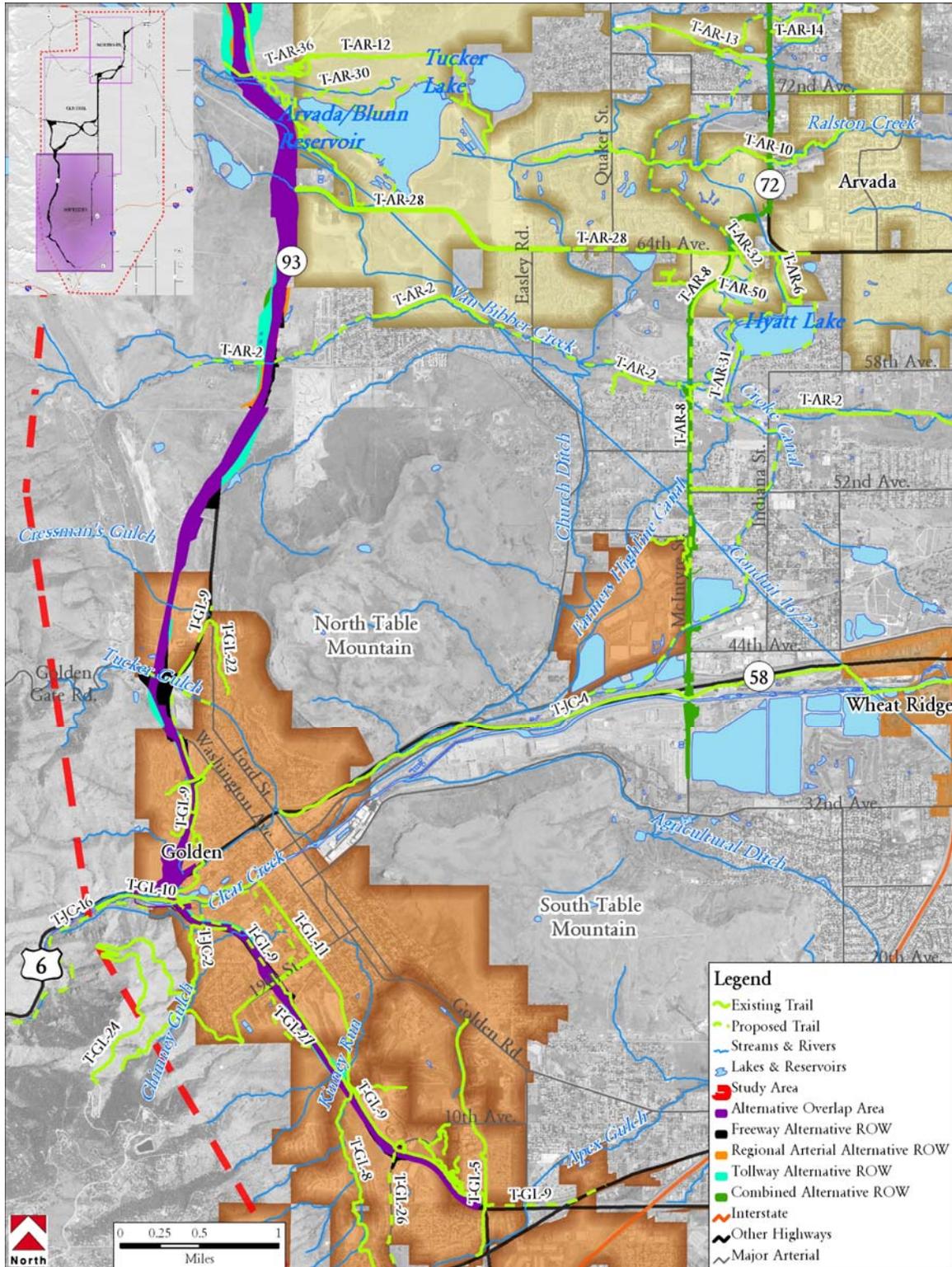


Figure 4.17-6 Existing and Planned Trails-Central Portion



Source: Compiled by FHU, 2006.

Figure 4.17-7 Existing and Planned Trails-Southern Portion



Source: Compiled by FHU, 2006.



## 4.17.2 ENVIRONMENTAL CONSEQUENCES

### APPROACH TO IMPACTS

This section addresses the impacts to the parks and recreational resources noted in **Table 4.17-1**, **Table 4.17-2**, and **Table 4.17-3**.

#### Impact to a System of Parks

Concerns were heard from municipalities relative to the consideration of impacts to a larger “system” of parks in addition to assessing impacts to each park individually. Larger parks and open space systems have been intentionally developed or planned in a number of locations throughout the study area. These locations consist of linear parks, trails, and open space parcels that follow primary drainages, as well as other public and private open space parcels and easements to preserve open space and habitats. Parks and open space systems within the study area include the open space along SH 93 referred to as the Mountain Backdrop, North Table Mountain open space, South Table Mountain open space, parks along SH 93 through Golden, Arvada Blunn Reservoir, Boulder County open space along SH 128 and US 36, and numerous trails along Arvada parks and canals.

#### 4.17.2.1 NO ACTION ALTERNATIVE

The No Action Alternative would not impact any parks or recreational areas.

#### 4.17.2.2 IMPACTS COMMON TO ALL BUILD ALTERNATIVES

##### DIRECT IMPACTS

Identified impacts are due to constructing a roadway on a new alignment; constructing retaining walls or cut and fill slopes associated with roadway widening; or interchange improvements such as at US 6/SH 93/SH 58 (see **Table 4.17-4**). There is a potential impact to the larger park system but the Freeway Alternative, Tollway Alternative, Regional Arterial Alternative, and Combined Alternative (Recommended Alternative) have been designed in an effort to maintain continuity and connectivity to these larger systems of parks through maintaining and enhancing the current system of trails. Suggested mitigation for these parks is addressed on a parcel basis and is defined in greater detail (see **Section 4.17.3**). There is potential for the build alternatives to affect the visual quality of the parks and open space lands. The general nature of visual impacts is discussed (see **Section 4.12.2**). Another concern is access to and from the parks, recreation areas, or open space parcels. In addition, wildlife movement between some open space parcels may be modified due to the proposed roadway improvements. However, wildlife crossings and habitat connectivity have been incorporated in the proposed build alternatives (see **Section 4.11**).

The estimated quantities of impacts to parks and recreational areas not protected by Section 4(f) associated with each of the build alternatives are shown (see **Table 4.17-4**).

The Combined Alternative (Recommended Alternative) would impact the greatest acreage of parks and recreational areas. The Regional Arterial Alternative would impact the fewest acres of parks and recreational areas.

##### INDIRECT EFFECTS

Indirect effects were approximated for parcels that were located within 300 feet of the footprint for the proposed build alternatives. Indirect effects to parks and recreational areas may consist of an increase in traffic that could affect safety, access, and noise levels at the facility; loss of vegetation serving as a visual buffer due to clearing and grubbing; change of access; and an increase in emissions from vehicles.

The impact calculations are based on available GIS mapping for parks and open space. Impact calculations are approximate and for comparative purposes only.



### 4.17.2.3 FREEWAY ALTERNATIVE

#### **DIRECT IMPACTS**

The Freeway Alternative would impact approximately 13.08 acres of parks and recreational resources. The impacts of this alternative are primarily associated with constructing a roadway on a new alignment and constructing retaining walls or cut and fill slopes associated with roadway widening.

Facilities or activities likely to be affected and the extent of impacts:

- The Omni Interlocken Golf Course is a privately owned and managed 27-hole golf course consisting of three 9-hole courses (Eldorado, Vista, and Sunshine Courses), driving ranges, practice greens, and associated cart paths and landscaping. The golf course covers over 300 acres and is located at 800 Eldorado Boulevard in Broomfield. Approximately 4.25 acres of the Eldorado Course's first fairway including segments of the cart path located along the southeastern portion of the golf course would be impacted by the roadway cut and fill slopes, retaining structures, and intersection construction.
- The Sun Microsystems Recreation Area consists of a privately owned and operated recreation area including two ball fields and one sports utility field adjacent to 96<sup>th</sup> Street in Broomfield, north of Tape Drive. The recreational activity area is located on the Sun Microsystems business property and is primarily for the use of employees but is available to the public with permission. Roadway widening and realignment would impact approximately 4.0 acres of grassy frontage property and result in the loss of one ball field.
- The StorageTek Drive Trail is an existing 0.6-mile long, off-street soft and hard surface trail. The trail runs along the west side of StorageTek Drive from US 36 to 96<sup>th</sup> Street and Carbon Road on the north. The trail occupies a public easement owned and maintained by the City and County of Broomfield. Approximately 1.34 acres of trail would be relocated nearby onto a new easement due to roadway widening and retaining wall construction.
- The Interlocken Loop Bike Trails are existing 1.4-mile long on-street commuter bike lanes and detached hard surface recreational trails. These trails occupy 3.0 total acres and are owned and managed by the City and County of Broomfield. The trails run north-south along both sides of Interlocken Loop, starting at US 36 on the north and terminating at SH 128 on the south. Several other boulevard-style recreational trails intersect with the Interlocken Loop Bike Trails to form a city wide grid of shared recreational and transportation linkages. These trails include the Zip Shuttle Trail (T-BR-3), the Coalton Road Zip Shuttle Trail (T-BR-4), the Interlocken Boulevard Trail (T-BR- 5), the Varra Park Trail (T-BR-7), an un-named trail (T-BR-10), and the Eldorado Boulevard Trail (T-BR-12). These trail identification numbers are delineated in the Northwest Corridor Parks and Recreation Technical Memorandum. Because only the existing intersection connections of these other trails will be among the directly affected resources resulting from the Freeway Alternative, they are addressed as one continuous, integrated system—The Interlocken Loop Bike Trails. The new roadway from US 36 to approximately SH 128 would be elevated on piers and retaining walls, allowing a smaller impact zone to existing at-grade resources. Impacts to this trail system are due to roadway widening and retaining wall construction. Approximately 1.24 acres of trail would be relocated onto new easements as close to existing trail alignments as possible.
- The Little Dry Creek-SH 72 Trail is a 6-mile long existing and planned off-street, hard surface trail. This trail is owned and managed by the City of Arvada and is located in Arvada, where it will follow along the Little Dry Creek drainage and SH 72 from near SH 93, east to Indiana Street. Portions of this trail have already been constructed between Indiana Street and Alkire Street as a detached hard surface trail parallel to 86<sup>th</sup> Parkway. The trail west of Indiana Street follows the SH 72 planned trail alignment. The city has proposed an underpass at Indiana Street to accommodate pedestrian and bicyclist traffic between the east and west segments of the Upper Twin Lake Trail, Little Dry Creek Trail, and other local trails (T-AR-26, T-AR-27) but currently has no dedicated funding. This trail network is cited in the Arvada Parks, Open



Space and Trails Master Plan (2001) as one of four important east-west trail system linkages providing regional connections for the purpose of recreation. Approximately 0.3 acres of trail would be eliminated by roadway widening.

- The Big Dry Creek-Upper Twin Lakes Trails form a 4-mile long complex of off-street trails. These trails are currently unpaved but Arvada has plans to pave them in the future. The trails are owned and managed by the City of Arvada and are located north of SH 72, providing an east-west connection between SH 93 and Indiana Street. The planned trail generally follows the Big Dry Creek drainage across the City of Arvada and splits into 2 existing trail spurs near Indiana Street: the Big Dry Creek spur continues east to Indiana Street and a southern spur, Upper Twin Lakes Trail tracks southeast connecting to the Shadow Mountain Open Space trail system at Indiana Street. The city has proposed an underpass at Indiana Street to accommodate pedestrian and bicyclist traffic between the east and west segments of the Upper Twin Lakes Trail, Little Dry Creek Trail, and other local trails (T-AR-26, T-AR-27). This trail network is cited in the Arvada Parks, Open Space and Trails Master Plan (2001) as one of four important east-west trail system linkages providing regional connections for the purpose of recreation. Approximately 0.71 acres of trail would be eliminated by roadway widening and affected by right-of-way needs under bridges for this alternative. However, the bridge right-of-way acquisition would not affect the alignment, function, or activities associated with the trail.
- The Leyden Gulch Trail is a planned and existing 8-mile long off-street, soft surface trail. The existing trail is owned and managed by the City of Arvada. The proposed trail runs east/west, starting west of SH 93 on the west and running east to connect with trails within the Leyden Lake Open Space. A fork of the trail at SH 93 runs south along the SH 93 alignment to just north of Arvada Blunn Reservoir, where it turns northwest and runs up to the north side of Ralston Reservoir, terminating just west of it. This publicly owned trail is designated for recreation and is primarily used by equestrians. A trailhead and parking lot are in place and Arvada proposes to replace the soft surface with a hard surface trail in the future. Approximately 0.21 acres of trail would be affected by right-of-way needs under new bridges associated with this alternative. However, the bridge right-of-way acquisition would not affect the alignment, function, or activities associated with the trail.
- The Jefferson County-Golden Municipal Complex Trails consist of approximately 1.5 miles of sidewalk and paved trails connecting city and county buildings within the Municipal Complex located between Jefferson County Parkway and Johnson Road in Golden. These trails are owned and managed by Jefferson County and the City of Golden. Approximately 0.13 acres of trail would be relocated onto a new easement due to intersection modifications and bridge construction associated with reconfiguration of the Heritage Road intersection at US 6.
- The Parfet Fossil Viewing Area is privately owned and is used for the viewing of paleontological remains. Approximately 0.9 acres of sloped undeveloped land adjacent to exposures of Mesozoic Era fossils would be impacted by roadway widening. Impacts are not anticipated to damage fossils or impair the ability to view fossil outcrops. There are no formal facilities located on the property.

The following parcels could incur some temporary indirect impacts associated with the Freeway Alternative:

- Windy Saddle Park is located west of US 6 in Golden. The Beaver Brook trailhead and trail to a nature center is accessed from Lariat Loop Road. The estimated number of trail users in the park in the year 2000 was 13,500. Windy Saddle Park is the least visited park in the open space system. General accessibility to the parking and trailhead facilities may be temporarily disrupted by construction activity associated with the Freeway Alternative.
- Activity areas on the Omni Interlocken Golf Course adjacent to Interlocken Boulevard, just north of SH 128, will experience overall increased noise levels, which during peak traffic hours will exceed the CDOT noise abatement criteria (NAC) of 66 decibels.



- Activity areas in the Sun Microsystems Recreation Area that are located adjacent to proposed modifications at 96<sup>th</sup> Street and StorageTek Drive will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- The Canyon View Open Space trail in Golden near Iowa Street will experience increased noise levels, which during peak traffic hours will exceed the NAC.
- The Colorado School of Mines property containing the Lookout Mountain Hang Glider Landing Zone and portions of the Chimney Gulch Trail will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- The portions of Parfet Estates Park in Golden located closest to US 6 will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- Activity areas on the Fossil Trace Golf Course adjacent to US 6 near Illinois Avenue will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.

#### **4.17.2.4 TOLLWAY ALTERNATIVE**

##### **DIRECT IMPACTS**

The Tollway Alternative would impact approximately 15.71 acres of parks and recreational resources. The impacts associated with the Tollway Alternative are similar to those described for the Freeway Alternative, with some greater impacts due to the wider typical cross section in some areas.

Facilities or activities likely to be affected and the extent of impacts:

- The Omni Interlocken Golf Course would experience the same 4.25-acre impact as with the Freeway Alternative. Peak traffic hour noise levels are likely to exceed the CDOT NAC for areas adjacent to Interlocken Boulevard, north of SH 128.
- The Sun Microsystems Recreation Area would experience the same 4.0-acre impact as with the Freeway Alternative.
- The StorageTek Drive Trail would experience the same 1.34-acre impact as with the Freeway Alternative.
- The Interlocken Loop Bike Trails would experience the same 1.24-acre impact as with the Freeway Alternative.
- The Little Dry Creek-SH 72 Trail would experience the same 0.3-acre impact as with the Freeway Alternative.
- The Big Dry Creek-Upper Twin Lakes Trails would experience the same 0.71-acre impact as with the Freeway Alternative.
- The Leyden Gulch Trail would experience the same 0.21-acre impact as with the Freeway Alternative.
- The US 6/SH 93 Trail is a composite trail system providing a regional north-south linkage for Golden and Jefferson County. The US 6 portion of the trail consists of 3.5 miles of existing and proposed detached 10-foot wide hard surface trail located between C-470 and Clear Creek. The existing trail runs along the east side of US 6 between C-470 and 19<sup>th</sup> Street and is primarily located within CDOT right-of-way easement. Portions of this existing trail are located on Jefferson County property and private lands. The planned segment of the trail continues along the east side of US 6 from 19<sup>th</sup> Street to the south bank of Clear Creek and will be funded by the City of Golden, with construction planned to be completed in 2007–2008. A proposed segment will run east along US 6 from C-470 but no funding is scheduled. The SH 93 Trail runs from the southern terminus at Golden/Hartmeister Park along the north bank of Clear Creek and weaves through publicly owned land parallel to Church Ditch at Briarwood Restaurant near SH 58 on a public easement, crossing under SH 58 at New Loveland Mine Park and continuing north along both sides of SH 93 to Iowa Street. North of Iowa Street the trail is planned as a facility of the



Canyon View Open Space. The trail network is serviced by a pedestrian bridge that crosses SH 93. The trail is publicly owned and accessible and is designated as a multi-use, regional trail. Approximately 0.84 acres of trail would be affected by roadway widening and realignment associated with this alternative.

- The Jefferson County-Golden Municipal Complex Trails impacts would be similar to those for the Freeway Alternative. Approximately 0.09 acres of trail would be relocated onto a new easement very close to the existing location. The different intersection configuration at Heritage Road and US 6 with slip ramps unique to the Tollway Alternative would account for a slightly smaller impact to the existing trails and sidewalks.
- The Parfet Fossil Viewing Area would experience impacts similar to those with the Freeway Alternative. Approximately 1.2 acres of sloped land adjacent to exposures of fossils would be impacted by roadway widening. Impacts may negatively affect the outcrop quality and the ability to view fossil outcrops.
- The White Ash Mine Park is a 5.86-acre property located in Golden along the west side of SH 93 near Iowa Street in Jefferson County. The park contains basketball courts, picnic facilities, and a playground with paved trails, including a segment of the SH 93 Trail that provides access to the local school and nearby parks. This park gets heavy neighborhood use. Public access to the park is from Iowa Street. A pedestrian bridge over SH 93 services the southern access to the park trails. The park is owned and the recreational facilities managed by the City of Golden. Approximately 1.53-acres of grassy frontage along SH 93 would be impacted by retaining wall construction associated with the SH 93 and Iowa Street intersection.

The following parcels could incur some temporary impacts associated with the Tollway Alternative:

- Windy Saddle Park is located west of US 6 in Golden. The Beaver Brook trailhead and trail to a nature center is accessed from Lariat Loop Road. The estimated number of trail users in the park in the year 2000 was 13,500. Windy Saddle Park is the least visited park in the open space system. General accessibility to the parking and trailhead facilities may be temporarily disrupted by construction activity associated with the Tollway Alternative.
- Activity areas on the Omni Interlocken Golf Course adjacent to Interlocken Boulevard, just north of SH 128, will experience overall increased noise levels, which during peak traffic hours will exceed the CDOT noise abatement criteria (NAC) of 66 decibels.
- Activity areas in the Sun Microsystems Recreation Area that are located adjacent to proposed modifications at 96<sup>th</sup> Street and StorageTek Drive will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- The Colorado School of Mines property containing the Lookout Mountain Hang Glider Landing Zone and portions of the Chimney Gulch Trail will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- The portions of Parfet Estates Park in Golden located closest to US 6 will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.



#### 4.17.2.5 REGIONAL ARTERIAL ALTERNATIVE

##### **DIRECT IMPACTS**

The Regional Arterial Alternative would impact approximately 8.10 acres of parks and recreational resources. These impacts are associated with roadway widening and intersection improvements. This alternative impacts the least amount of parks and recreational resources.

Facilities or activities likely to be affected and the extent of impacts:

- The Omni Interlocken Golf Course impacts would be related to intersection modifications at SH 128 and Interlocken Boulevard. Approximately 3.2 acres of the Eldorado Course's fourth fairway and a cart path located along the southern portion of the golf course would be affected by the roadway improvements.
- The StorageTek Drive Trail impacts would be due to widening of the roadway between the US 36 interchange and Tape Drive. Approximately 0.57 acres of trail would be relocated onto a new easement due to roadway widening and retaining wall construction.
- The Interlocken Loop Bike Trails would be impacted by the at-grade widening of Interlocken Loop. This would require a relocation of most of the Interlocken Loop Bike Trails and other intersecting trail linkages. Approximately 2.66 acres of trail would be relocated onto a new, nearby easement due to roadway widening and retaining wall construction.
- The Little Dry Creek-SH 72 Trails located entirely east of Indiana Street would connect to new bikeway systems built as a part of the Regional Arterial Alternative. Approximately 60 feet or an estimated 0.02 acre of existing Little Dry Creek Trail would be impacted by widening and intersection modifications at Indiana Street and SH 72.
- The Big Dry Creek-Upper Twin Lakes Trails would experience the same 0.71-acre impact as with the Freeway Alternative.
- The Jefferson County-Golden Municipal Complex Trails would experience the same 0.13-acre impact as with the Freeway Alternative.
- The Parfet Fossil Viewing Area would experience the same 0.9-acre impact as with the Freeway Alternative.

The following parcels could incur some temporary impacts associated with the Regional Arterial Alternative:

- Windy Saddle Park is located west of US 6 in Golden. The Beaver Brook trailhead and trail to a nature center is accessed from Lariat Loop Road. The estimated number of trail users in the park in the year 2000 was 13,500. Windy Saddle Park is the least visited park in the open space system. General accessibility to the parking and trailhead facilities may be temporarily disrupted by construction activity associated with the Regional Arterial Alternative.
- The Colorado School of Mines property containing the Lookout Mountain Hang Glider Landing Zone and portions of the Chimney Gulch Trail will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- The portions of Parfet Estates Park in Golden located closest to US 6 will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- Activity areas on the Fossil Trace Golf Course adjacent to US 6 near Illinois Avenue will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.



#### **4.17.2.6 COMBINED ALTERNATIVE (RECOMMENDED ALTERNATIVE)**

##### **DIRECT IMPACTS**

The Combined Alternative (Recommended Alternative) impacts approximately 15.93 acres of parks and recreational resources, the largest quantity of the four build alternatives evaluated. The impacts of this alternative are primarily associated with constructing a roadway on a new alignment, constructing retaining walls or cut and fill slopes associated with roadway widening, and improving existing intersections.

Facilities or activities likely to be affected and the extent of impacts:

- The Omni Interlocken Golf Course would experience a 2.69-acre impact associated with the new interchange at SH 128. No impacts to the functional features of the golf course are anticipated with this alternative.
- The StorageTek Drive Trail would experience the same 0.57-acre impact as with the Regional Arterial Alternative.
- The Interlocken Loop Bike Trails would experience the same 2.66-acre impact as with the Regional Arterial Alternative.
- The Little Dry Creek-SH 72 Trails would experience the same 0.3-acre impact as with the Freeway Alternative.
- The Big Dry Creek-Upper Twin Lakes Trails impacts would eliminate a short piece of trail where it intersects Indiana Street. Approximately 0.05 acres of trail would be lost to roadway widening.
- The Leyden Gulch Trail would experience the same 0.21-acre impact as with the Freeway Alternative.
- The Leyden Lake Open Space, owned and operated by the city of Arvada, is a 112.97 acre open space parcel extending from Indiana Street to West 72<sup>nd</sup> Avenue. The former water storage facility has recently been converted to a recreational property containing a small lake for fishing and several existing trails and planned trails and bike paths. Approximately 1.75 acres of grassy roadway frontage, wetlands, and an access road would be impacted by realignment of Indiana Street associated with this alternative. The proposed impacts do not adversely affect the activities, features, and attributes that qualify Leyden Lake Open Space as a recreational resource.
- The Broad Lake Open Space, owned by the city of Arvada, is a 19.78 acre open space parcel containing a pond and trail. Approximately 0.25 acres of a narrow strip of grassy buffer adjacent to McIntyre Street would be impacted by roadway widening associated with this alternative. The proposed impacts do not adversely affect the activities, features, and attributes that qualify Broad Lake Open Space as a recreational resource.
- The Prospect Trail is an existing 0.5-mile long, off-street trail with a soft surface. This trail is located on an easement owned and managed by Prospect Recreation and Park District and crosses private land along the west side of McIntyre Street between 49<sup>th</sup> Avenue and 50<sup>th</sup> Avenue. Approximately 0.09 acres of trail would be relocated by the widening of McIntyre Street.
- Jefferson County-Golden Municipal Complex Trails would experience the same 0.13-acre impact as the Freeway Alternative.
- The Parfet Fossil Viewing Area would experience the same 0.9-acre impact as with the Freeway Alternative.



The following parcels could incur some temporary indirect impacts associated with Combined Alternative (Recommended Alternative):

- Windy Saddle Park is located west of US 6 in Golden. The Beaver Brook trailhead and trail to a nature center is accessed from Lariat Loop Road. The estimated number of trail users in the park in the year 2000 was 13,500. Windy Saddle Park is the least visited park in the open space system. General accessibility to the parking and trailhead facilities may be temporarily disrupted by construction activity associated with the Combined Alternative (Recommended Alternative).
- The Colorado School of Mines property containing the Lookout Mountain Hang Glider Landing Zone and portions of the Chimney Gulch Trail will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- The portions of Parfet Estates Park in Golden located closest to US 6 will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.
- Activity areas on the Fossil Trace Golf Course adjacent to US 6 near Illinois Avenue will experience overall increased noise levels, which during peak traffic hours will exceed the NAC.

### 4.17.3 SECTION 6(f) RESOURCES

#### 4.17.3.1 SECTION 6(f) IMPACTS

For four decades, the federal Land and Water Conservation Fund Program of Assistance to States and Urban Parks (L&WCF) has provided funding for various parks and recreational facilities across the nation. The L&WCF program was established by the L&WCF Act of 1965 (Public Law 88-578) which is now codified at 16 U.S.C. 460. Under this act, the U.S. Secretary of Interior provides funds to the states to plan, acquire, or develop outdoor recreation facilities. Section 6(f) of the Act provides in part that:

“No property acquired or developed with assistance under this section shall, without the approval of the Secretary, be converted to other than public outdoor recreation uses. The Secretary shall approve such conversion only if he finds it to be in accordance with the then existing comprehensive statewide outdoor recreation plan and only upon such conditions as he deems necessary to assure the substitution of other recreation properties of at least equal fair market value and of reasonably equivalent usefulness and location.”

In the state of Colorado, L&WCF is administered by Colorado State Parks. Identification of L&WCF properties for this project was coordinated through Colorado State Parks and is documented (see **Table 5.9-1** and **Appendix C**).

Four properties within the study area were developed with L&WCF grant assistance. Three grants were used for development of recreational facilities within Clear Creek Park in Golden and one grant for purchase of property adjacent to the Ralston Creek Trail in Arvada. The Ralston Creek Trail grant development has subsequently been returned to non-recreational use. Colorado State Parks has concurred that no portion of the identified L&WCF projects will be impacted by any of the proposed build alternatives (see **Appendix C**).

#### 4.17.4 SUMMARY OF IMPACTS

The Tollway Alternative would impact the greatest number of parks and recreational resources and acres. The Regional Arterial Alternative would impact the fewest number of parks and recreational resources and acres (see **Table 4.17-4**).



*Table 4.17-4 Summary of Park and Recreational Impacts*

Display ID	Park or Recreation Area Name	Freeway Alternative (acres)	Tollway Alternative (acres)	Regional Arterial Alternative (acres)	Combined Alternative (acres)
178	Omni Interlocken Golf Course	4.25 and indirect	4.25 and indirect	3.2	2.69
180	Sun Microsystems Recreation Area	4.0 and indirect	4.0 and indirect	0	0
T-BR-8	StorageTek Drive Trail	1.34	1.34	0.57	0.57
T-BR-2	Interlocken Loop Bike Trails	1.24	1.24	2.66	2.66
T-AR-19	Little Dry Creek-SH 72 Trails	0.3	0.3	0.02	0.3
T-AR-23	Big Dry Creek-Upper Twin Lakes Trails	0.71	0.71	0.71	0.05
T-AR-34	Leyden Gulch Trail	0.21	0.21	0	0.21
11	Leyden Lake Open Space	0	0	0	1.75
64	Broad Lake Open Space	0	0	0	0.25
102	White Ash Mine Park	0	1.53	0	0
135	Windy Saddle Park	Indirect	Indirect	Indirect	Indirect
119	Canyon View Open Space	Indirect	0	0	0
95	Colorado School of Mines	Indirect	Indirect	Indirect	Indirect
124	Parfet Estates Park	Indirect	Indirect	Indirect	Indirect
179	Parfet Fossil Viewing Area	0.9	1.2	0.9	0.9
122	Fossil Trace Golf Course	Indirect	0	Indirect	0
T-GL-9	US 6/SH 93 Trails	0	0.84	0	0
T-JC-17	Jefferson County-Golden Municipal Complex Trails	0.13	0.09	0.13	0.13
T-PR-1	Prospect Trail	0	0	0	0.09
<b>TOTAL ACRES IMPACTED:</b> Park, Recreation Area, Open Space Impacts		<b>13.08</b>	<b>15.71</b>	<b>8.19</b>	<b>9.60</b>

Note: The impact calculations are based on available GIS mapping for parks, open space, and trails corridors. Impact calculations are approximate.

Source: Compiled by Carter & Burgess, 2006.



## 4.17.5 SUGGESTED MITIGATION

### 4.17.5.1 IMPACTED PARKS AND RECREATIONAL RESOURCES

**Omni Interlocken Golf Course:** Mitigation should include landscaping of nearby unaffected portions of the existing golf course to accommodate new course layout and cart path connectivity.

**Sun Microsystems Recreation Area:** Mitigation should include construction of new sporting facilities on remaining Sun Microsystems recreational property.

**StorageTek Drive Trail:** Preservation of the existing cross culvert used as a pedestrian crossing or a new grade-separated crossing under StorageTek Drive should be constructed to maintain pedestrian access. StorageTek Drive Trail should be replaced with a paved trail in a similar location with comparable function and attributes.

**Interlocken Loop Bike Trails:** Affected area of the trails should be replaced with a paved trail in a similar location with comparable function and attributes. Landscaping and irrigation systems affected by construction activities should be repaired and/or replaced.

**Little Dry Creek-SH 72 Trails:** The affected existing trail system should be replaced with a paved trail in a similar location with comparable function and attributes. Additionally, accommodations should be made for future trail continuity and connectivity.

**Big Dry Creek-Upper Twin Lakes Trails:** The affected trail system should be replaced with a paved trail in a similar location with comparable function and attributes. Additionally, accommodations should be made for future trail continuity and connectivity.

**Leyden Gulch Trail:** Construction of permanent structures would not impair the proposed trail alignment; the right-of-way under the bridge and adjacent to the trail should remain in a natural state.

**Leyden Lake Open Space:** The existing cross culvert used for pedestrian crossing should be maintained or a new grade-separated crossing at Indiana Street should be provided to maintain pedestrian access and trail continuity.

**Broad Lake Open Space:** The impacted area should be landscaped. Any permanent or temporary disturbance to trail continuity should be repaired and an alternative route established.

**Prospect Trail:** The impacted portion of the trail should be replaced with a comparable trail in a nearby location with comparable function and attributes.

**White Ash Mine Park** The trail and any affected park elements should be replaced in a similar location with comparable function and attributes. Landscaping and irrigation systems affected by construction activities should be repaired and/or replaced.

**US 6/SH 93 Trail:** The impacted portion of the trail should be replaced with a comparable trail in a nearby location with comparable function and attributes.

**Jefferson County-Golden Municipal Complex Trails:** The affected trail should be replaced with a paved trail in a similar location with comparable function and attributes.

**Parfet Fossil Viewing Area:** Paleontological resources should be preserved to the extent possible.



---

## REFERENCES

---

City of Golden: City Parks & Comprehensive Plan City of Golden, August 2003. Hard copy of plans.

Available at:

[www.ci.golden.co.us](http://www.ci.golden.co.us)

(accessed: April 2004, August 2005)

—GIS coverage files received from City of Golden's GIS Department.

City of Lakewood: Parks and Facilities Listing. Available at

[www.ci.lakewood.co.us](http://www.ci.lakewood.co.us)

(accessed: June 2004)

City of Wheat Ridge Park Locations & City of Wheat Ridge Open Space Management Plan, October 2002.

Available at:

[www.ci.wheatridge.co.us/GovSite](http://www.ci.wheatridge.co.us/GovSite)

(accessed: June 2004)

City of Arvada Parks, Trails, and Open Space Master Plan, March 2001. Available at:

[website:www.ci.arvada.co.us/HTML/park\\_maps/directions.htm](http://website:www.ci.arvada.co.us/HTML/park_maps/directions.htm)

(accessed: June 2004, August 2005)

City of Westminster: Parks, Open Space, & Trails. Obtained from Westminster Comprehensive Land Use Plan, June 2004, August 2005. Available at:

[www.ci.westminster.co.us/res/parks/wparks.htm](http://www.ci.westminster.co.us/res/parks/wparks.htm)

(accessed: June 2004, August 2005)

City and County of Broomfield: Open Space, Trails, Parks & Recreation Master Plan. Obtained from Broomfield's 20/20 Vision Plan, February 2004, April 2004, and September 2005. Available at:

[www.ci.broomfield.co.us/recreation/park/parklisting.shtml](http://www.ci.broomfield.co.us/recreation/park/parklisting.shtml)

(accessed: February 2004, April 2004, September 2005)

Town of Superior: Parks, Open Space & Trails Plan, 2001. GIS coverage provided by Destiny Resources.

Jefferson County Open Space 5 Year Master Plan, 2003. Hard copy provided by Jefferson County. GIS coverage files provided by Jefferson County IT Department.

Boulder County Open Space Maps. Digital maps and GIS coverage files. Available at:

[www.co.boulder.co.us](http://www.co.boulder.co.us)

(accessed: October 2003).



Northwest Corridor  
A TRANSPORTATION ENVIRONMENTAL STUDY

This Page Left Intentionally Blank