



Appendix F Detailed Project Scoring Results



Project Evaluation Process

Projects were prioritized using evaluation criteria linked to the four goals that pertain directly to the network. Each project received a score ranging from 0 to 10 (with 10 being the best) in each of the four goal categories for a total score of up to 40 points. A GIS spatial analysis was completed to determine each project's score.

Biking and Walking Activity

This criterion considers the relative demand for biking and walking within the project area (as depicted on Figure 17 of the Bicycle and Pedestrian Master Plan). The demand is based on the aggregation of factors that contribute to demand for biking and walking activity including:

- Job density (source: US Census)
- Population density (Source: US Census)
- Zero vehicle households (Source: US Census)
- Urban activity centers (as defined by DRCOG)
- Parks and open space
- School zones
- Transit density (using RTD data; calculated as the number and frequency of bus and rail routes)

For each project, the average bike/ped demand was calculated for the area within a quarter mile buffer of the project. The average demand was then divided by the length of project to account for the variation in project lengths.

Access and Connectivity

A compilation of three factors was used to calculate the access and connectivity score. The scoring considered whether a project:

- 1) Would eliminate a major barrier (e.g., crossing of a railroad, waterway, state highway or six-lane arterial),
- 2) Would close a gap in the existing network (i.e., there is an existing facility on both ends of the project), and/or
- 3) Is on a Regional Bike Route (as defined in Chapter 5 of the Bicycle and Pedestrian Master Plan); this measure was not used for the sidewalk projects.

Health and Safety

This criterion considers the number of bicycle or pedestrian crashes within the project area (defined by a quarter-mile buffer around the project) over a five-year period. The score for trail projects considered both bicycle and pedestrian crashes, while the on-street bike and sidewalk projects considered only the bicycle crashes and pedestrian crashes, respectively.



Land Use Context

For all projects, this criterion considers the social equity. Projects located in areas with a relatively high percentage of low-income and/or minority population received a higher score. The low-income and minority populations for the block groups within a quarter mile of each project were extracted from the US Census data. The block groups within the project area (quarter mile buffer) were split to calculate the low-income and minority population within buffer portion of the block groups. The low-income and minority populations within the buffer area were then converted to a percentage of the total population. A project's score is based on the sum of the percent low-income population and the percent minority population.

For the trail projects, an additional factor of land ownership was considered. Trail projects on public property were given a higher score than those on private property because trail projects within publicly owned rights-of-way are generally easier to implement. This factor was used as half of the land use score for trail projects. That is, a trail on private property received a score of zero for this portion of the score, and a trail entirely on public property received a score of five for this portion of the score.

Trail Project Evaluation

| Proj ID | Name | Location | Total Miles | Municipality | Class | Bike & Ped Activity | | Access & Connectivity | | Health & Safety | | Land Use Context | | | | Total Score | Rank | Unit Cost | Project Cost | Arap Co | Aurora | Bow Mar | Centennial | Cherry Hills Village | Columbine Valley | Englewood | Foxfield | Glendale | Greenwood Village | Littleton | Sheridan |
|---------|-------------------------------------------------|-------------------------------------------------------|-------------|------------------------------------------------|---------------|---------------------|----------------|-----------------------|---------------|-----------------|--------------|------------------|---------------|--------------|----------|-------------|------|-----------|--------------|---------|--------|---------|------------|----------------------|------------------|-----------|----------|----------|-------------------|-----------|----------|
| | | | | | | Activity Calc | Activity Score | Connect Calc | Connect Score | Safety Calc | Safety Score | LU Calc EJ | LU Calc Owner | LU Calc Comp | LU Score | | | | | | | | | | | | | | | | |
| T-58 | Toll Gate Creek Trail | Colfax to Chambers | 3.16 | Aurora | Major | 11276 | 10.0 | 2 | 6.7 | 17 | 10.0 | 525 | 0 | 5.0 | 7.6 | 34.2 | 1 | \$670,000 | \$2,120,000 | 1 | | | | | | | | | | | |
| T-13 | Santa Fe Rail Trail | Big Dry Creek Trail to Bates | 2.52 | Sheridan, Englewood | Major | 3601 | 3.2 | 3 | 10.0 | 15 | 8.8 | 155 | 0 | 1.5 | 2.2 | 24.3 | 2 | \$670,000 | \$1,690,000 | | | | | 1 | | | | | | 1 | |
| T-99 | N/S Trail Connector | Quincy (w/o Buckley) to Nucla St | 0.32 | Aurora | Connector | 498 | 0.4 | 1 | 3.3 | 15 | 8.8 | 98 | 1 | 5.9 | 9.0 | 21.6 | 3 | \$460,000 | \$150,000 | 2 | | | | | | | | | | | |
| T-240 | Piney Creek Trail | Cherry Creek Trail to Buckley Rd | 2.07 | Centennial | Trail Widenin | 2099 | 1.9 | 1 | 3.3 | 9 | 5.3 | 43 | 1 | 5.4 | 8.2 | 18.7 | 4 | \$270,000 | \$560,000 | | 1 | | | | | | | | | | |
| T-151 | Trail Connector | West Toll Gate Creek Trail to Gun Club | 0.30 | Arap Co | Connector | 1043 | 0.9 | 2 | 6.7 | 1 | 0.6 | 58 | 1 | 5.6 | 8.4 | 16.6 | 5 | \$460,000 | \$140,000 | 1 | | | | | | | | | | | |
| T-38 | Rocky Ridge Greenbelt Trail | Mississippi to Buckley | 0.49 | Aurora | Connector | 1791 | 1.6 | 1 | 3.3 | 3 | 1.8 | 133 | 1 | 6.3 | 9.5 | 16.2 | 6 | \$460,000 | \$230,000 | 3 | | | | | | | | | | | |
| T-11 | Mary Carter Greenway Trail (Widening) | Bowles to Denver County Line (north of Dartmouth) | 3.86 | Arap Co, Sheridan, Englewood, Littleton, SSPRD | Trail Widenin | 5341 | 4.7 | 1 | 3.3 | 9 | 5.3 | 194 | 0 | 1.8 | 2.8 | 16.2 | 7 | \$270,000 | \$1,040,000 | 2 | | | | | 2 | | | 1 | 2 | | |
| T-95 | Quincy Reservoir Trail | South side of Quincy Reservoir | 1.45 | Aurora | Connector | 745 | 0.7 | 1 | 3.3 | 3 | 1.8 | 138 | 1 | 6.3 | 9.6 | 15.3 | 8 | \$460,000 | \$670,000 | 4 | | | | | | | | | | | |
| T-94 | Trail Connector | NW of Hampden and Himalaya | 0.04 | Aurora | Connector | 171 | 0.2 | 2 | 6.7 | 0 | 0.0 | 22 | 1 | 5.2 | 7.9 | 14.7 | 9 | \$460,000 | \$20,000 | 5 | | | | | | | | | | | |
| T-118 | Little Creek Trail | Bemis to Santa Fe | 0.17 | Littleton | Connector | 4434 | 3.9 | 1 | 3.3 | 12 | 7.1 | 25 | 0 | 0.2 | 0.4 | 14.7 | 10 | \$460,000 | \$80,000 | | | | | | | | | 2 | | | |
| T-5 | East Toll Gate Creek Trail | Buckley to Alameda | 1.31 | Aurora | Connector | 4001 | 3.5 | 2 | 6.7 | 2 | 1.2 | 152 | 0 | 1.4 | 2.2 | 13.6 | 11 | \$460,000 | \$600,000 | | | | | | | | | | | | |
| T-165 | Trail Connector | Tower to Floyd | 0.57 | Aurora | Connector | 20 | 0.0 | 1 | 3.3 | 2 | 1.2 | 87 | 1 | 5.8 | 8.8 | 13.4 | 12 | \$460,000 | \$260,000 | | | | | | | | | | | | |
| T-222 | Trail Connector | Big Dry Creek Trail south of Belleview | 0.12 | Littleton | Connector | 128 | 0.1 | 1 | 3.3 | 2 | 1.2 | 55 | 1 | 5.5 | 8.4 | 13.0 | 13 | \$460,000 | \$50,000 | | | | | | | | | 3 | | | |
| T-220 | Trail Connector | Cornerstone Park | 0.05 | Englewood, SSPRD | Connector | 285 | 0.3 | 1 | 3.3 | 2 | 1.2 | 37 | 1 | 5.4 | 8.1 | 12.9 | 14 | \$460,000 | \$20,000 | | | | | 3 | | | | | | | |
| T-20 | Trail Connector | East Toll Gate Creek Trail to Mississippi | 0.52 | Aurora | Connector | 455 | 0.4 | 0 | 0.0 | 4 | 2.4 | 167 | 1 | 6.6 | 10.0 | 12.8 | 15 | \$460,000 | \$240,000 | | | | | | | | | | | | |
| T-131 | Trail Connector | West Toll Gate Creek Trail to Reservoir Rd | 0.24 | Aurora | Connector | 921 | 0.8 | 1 | 3.3 | 1 | 0.6 | 19 | 1 | 5.2 | 7.9 | 12.6 | 16 | \$460,000 | \$110,000 | | | | | | | | | | | | |
| T-212 | Mary Carter Greenway Trail (Widening) | Bowles to Union | 1.39 | Englewood, Littleton, SSPRD | Trail Widenin | 2163 | 1.9 | 2 | 6.7 | 5 | 2.9 | 68 | 0 | 0.6 | 1.0 | 12.5 | 17 | \$270,000 | \$380,000 | | | | | | | | | 4 | | 4 | |
| T-145 | East Toll Gate Creek Trail | Hampden to Quincy | 1.21 | Arap Co, Aurora | Connector | 128 | 0.1 | 1 | 3.3 | 1 | 0.6 | 29 | 1 | 5.3 | 8.0 | 12.0 | 18 | \$460,000 | \$560,000 | 3 | | | | | | | | | | | |
| T-32 | Trail Connector | SW of Hampden and Himalaya | 0.09 | Arap Co | Connector | 81 | 0.1 | 1 | 3.3 | 0 | 0.0 | 44 | 1 | 5.4 | 8.2 | 11.6 | 19 | \$460,000 | \$40,000 | 4 | | | | | | | | | | | |
| T-144 | | | 0.02 | Aurora | Connector | 432 | 0.4 | 1 | 3.3 | 0 | 0.0 | 15 | 1 | 5.1 | 7.8 | 11.5 | 20 | \$460,000 | \$10,000 | | | | | | | | | | | | |
| T-96 | Quincy Reservoir Trail | | 0.17 | Aurora | Major | 219 | 0.2 | 1 | 3.3 | 0 | 0.0 | 19 | 1 | 5.2 | 7.9 | 11.4 | 21 | \$670,000 | \$120,000 | | | | | | | | | | | | |
| T-21 | | | 0.40 | Aurora | Connector | 380 | 0.3 | 1 | 3.3 | 0 | 0.0 | 2 | 1 | 5.0 | 7.6 | 11.3 | 22 | \$460,000 | \$190,000 | | | | | | | | | | | | |
| T-111 | Sports Park Connector | | 0.04 | Aurora | Connector | 97 | 0.1 | 1 | 3.3 | 0 | 0.0 | 1 | 1 | 5.0 | 7.6 | 11.0 | 23 | \$460,000 | \$20,000 | | | | | | | | | | | | |
| T-134 | Black Shack Creek | Hampden to Smoky Hill | 6.66 | Arap Co/Aurora | Major | 0 | 0.0 | 1 | 3.3 | 0 | 0.0 | 5 | 1 | 5.0 | 7.7 | 11.0 | 24 | \$670,000 | \$4,460,000 | 5 | | | | | | | | | | | |
| T-22 | | | 0.01 | Aurora | Connector | 0 | 0.0 | 1 | 3.3 | 0 | 0.0 | 1 | 1 | 5.0 | 7.6 | 10.9 | 25 | \$460,000 | \$4,000 | | | | | | | | | | | | |
| T-98 | | | 0.34 | Aurora | Connector | 371 | 0.3 | 0 | 0.0 | 16 | 9.4 | 70 | 0 | 0.7 | 1.0 | 10.7 | 26 | \$460,000 | \$160,000 | | | | | | | | | | | | |
| T-218 | Mary Carter Greenway Trail (east side of river) | Riverpoint Pkwy into Denver | 1.48 | Sheridan, Englewood, SSPRD, Denver | Major | 3434 | 3.0 | 1 | 3.3 | 5 | 2.9 | 97 | 0 | 0.9 | 1.4 | 10.7 | 27 | \$670,000 | \$990,000 | | | | | | | | | 5 | | 3 | |
| T-241 | Big Dry Creek Trail | Orchard to High Line Canal Trail | 0.60 | Greenwood Village | Connector | 3495 | 3.1 | 2 | 6.7 | 1 | 0.6 | 23 | 0 | 0.2 | 0.3 | 10.7 | 28 | \$460,000 | \$270,000 | | | | | | | | | 1 | | | |
| T-19 | | | 0.70 | Aurora | Connector | 3138 | 2.8 | 1 | 3.3 | 3 | 1.8 | 159 | 0 | 1.5 | 2.3 | 10.2 | 29 | \$460,000 | \$320,000 | | | | | | | | | | | | |
| T-18 | Trail Connector along Vassar Pl | West Toll Gate Creek to Telluride | 0.16 | Aurora | Connector | 382 | 0.3 | 0 | 0.0 | 2 | 1.2 | 74 | 1 | 5.7 | 8.7 | 10.2 | 30 | \$460,000 | \$70,000 | | | | | | | | | | | | |
| T-166 | P29 | | 0.04 | Aurora | Connector | 1103 | 1.0 | 0 | 0.0 | 1 | 0.6 | 41 | 1 | 5.4 | 8.2 | 9.7 | 31 | \$460,000 | \$20,000 | | | | | | | | | | | | |
| T-221 | Trail Connector | Belleview to Big Dry Creek Trail (north side of park) | 0.29 | Littleton | Connector | 53 | 0.0 | 2 | 6.7 | 3 | 1.8 | 81 | 0 | 0.8 | 1.2 | 9.7 | 32 | \$460,000 | \$130,000 | | | | | | | | | | 5 | | |
| T-219 | | | 0.05 | Englewood/Littleton | Connector | 275 | 0.2 | 0 | 0.0 | 2 | 1.2 | 33 | 1 | 5.3 | 8.1 | 9.5 | 33 | \$460,000 | \$20,000 | | | | | | | | | | | | |
| T-138 | E2 | | 0.18 | Littleton | Connector | 778 | 0.7 | 1 | 3.3 | 8 | 4.7 | 29 | 0 | 0.3 | 0.4 | 9.1 | 34 | \$460,000 | \$80,000 | | | | | | | | | | | | |
| T-132 | Belleview Trail | Harvest Rd to Powhatan | 1.06 | Arap Co/Aurora | Connector | 750 | 0.7 | 0 | 0.0 | 1 | 0.6 | 3 | 1 | 5.0 | 7.6 | 8.9 | 35 | \$460,000 | \$490,000 | | | | | | | | | | | | |
| T-108 | Bafb Perimeter Trail | | 2.50 | Aurora | Connector | 436 | 0.4 | 1 | 3.3 | 3 | 1.8 | 223 | 0 | 2.1 | 3.2 | 8.7 | 36 | \$460,000 | \$1,150,000 | | | | | | | | | | | | |
| T-148 | Trail Connector on Yale Alignment | Tower to Flanders | 1.02 | Aurora | Connector | 947 | 0.8 | 1 | 3.3 | 4 | 2.4 | 127 | 0 | 1.2 | 1.8 | 8.4 | 37 | \$460,000 | \$470,000 | | | | | | | | | | | | |
| T-225 | Trail Connector | Dry Creek to Jackson | 0.12 | Centennial | Connector | 74 | 0.1 | 0 | 0.0 | 1 | 0.6 | 6 | 1 | 5.1 | 7.7 | 8.3 | 38 | \$460,000 | \$50,000 | | | | | 2 | | | | | | | |
| T-106 | East Toll Gate Creek Trail | | 0.95 | Aurora | Major | 99 | 0.1 | 0 | 0.0 | 0 | 0.0 | 29 | 1 | 5.3 | 8.0 | 8.1 | 39 | \$670,000 | \$630,000 | | | | | | | | | | | | |
| T-209 | Aurora Reservoir Connector | | 0.31 | Aurora | Connector | 423 | 0.4 | 0 | 0.0 | 0 | 0.0 | 2 | 1 | 5.0 | 7.6 | 8.0 | 40 | \$460,000 | \$140,000 | | | | | | | | | | | | |
| T-142 | Antelope Creek Trail | E-470 Trail to n/of Arapahoe | 2.02 | Arap Co/Aurora/Centennial | Connector | 1265 | 1.1 | 2 | 6.7 | 0 | 0.0 | 8 | 0 | 0.1 | 0.1 | 7.9 | 41 | \$460,000 | \$930,000 | | | | | | | | | | | | |
| T-7 | Aurora Reservoir Connector | | 0.76 | Aurora | Major | 273 | 0.2 | 0 | 0.0 | 0 | 0.0 | 0 | 1 | 5.0 | 7.6 | 7.8 | 42 | \$670,000 | \$510,000 | | | | | | | | | | | | |
| T-104 | Triple Creek Trail | Coal Creek to Aurora Reservoir | 1.73 | Arap Co | Major | 236 | 0.2 | 0 | 0.0 | 0 | 0.0 | 1 | 1 | 5.0 | 7.6 | 7.8 | 43 | \$670,000 | \$1,160,000 | | | | | | | | | | | | |
| T-34 | | | 0.01 | Aurora | Connector | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 1 | 5.1 | 7.7 | 7.7 | 44 | \$460,000 | \$3,000 | | | | | | | | | | | | |
| T-91 | | | 0.46 | Aurora | Connector | 21 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 1 | 5.0 | 7.6 | 7.6 | 45 | \$460,000 | \$210,000 | | | | | | | | | | | | |
| T-135 | Aurora Reservoir Connector | | 0.79 | Arap Co/Aurora | Connector | 3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 1 | 5.0 | 7.6 | 7.6 | 46 | \$460,000 | \$360,000 | | | | | | | | | | | | |
| T-217 | | | 0.17 | Aurora | Connector | 1345 | 1.2 | 1 | 3.3 | 3 | 1.8 | 78 | 0 | 0.7 | 1.1 | 7.4 | 47 | \$460,000 | \$80,000 | | | | | | | | | | | | |
| T-177 | Piney Creek Connector | Tower to Dunkirk | 0.43 | Centennial | Connector | 406 | 0.4 | 2 | 6.7 | 0 | 0.0 | 24 | 0 | 0.2 | 0.4 | 7.4 | 48 | \$460,000 | \$200,000 | | | | | | | | | | 4 | | |
| T-210 | Piney Creek Trail Connector | Arapahoe Rd to Piney Creek Trail | 0.51 | Arap Co, Centennial | Connector | 243 | 0.2 | 2 | 6.7 | 0 | 0.0 | 18 | 0 | 0.2 | 0.3 | 7.1 | 49 | \$460,000 | \$240,000 | | </ | | | | | | | | | | |

Trailhead Project Evaluation

| Project ID | Name | Facility Type | Municipality | Bike & Ped Activity | | Access & Connectivity | | Health & Safety | | Land Use Context | | Total Score | Rank |
|------------|-----------------------------------------|--------------------|----------------|---------------------|----------------|-----------------------|---------------|-----------------|--------------|------------------|----------|-------------|------|
| | | | | Activity Calc | Activity Score | Connect Calc | Connect Score | Safety Calc | Safety Score | LU Calc | LU Score | | |
| T-182 | Sand Creek Trail @ Colfax | Proposed Trailhead | AURORA | 5 | 10.0 | 1 | 10.0 | 0 | 0.0 | 0.9 | 6.3 | 26.3 | 1 |
| T-181 | First Creek Trail @ I-70 | Proposed Trailhead | AURORA | 0 | 0.0 | 1 | 10.0 | 0 | 0.0 | 1.5 | 10.0 | 20.0 | 2 |
| T-206 | Black Shack Creek Trail @ Jewell Avenue | Proposed Trailhead | AURORA | 1 | 2.0 | 1 | 10.0 | 0 | 0.0 | 0.6 | 4.3 | 16.3 | 3 |
| T-178 | Byers | Proposed Trailhead | UNINCORPORATED | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.2 | 1.4 | 1.4 | 4 |
| T-179 | Strasburg | Proposed Trailhead | UNINCORPORATED | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.3 | 0.3 | 5 |
| T-180 | Bennett | Proposed Trailhead | UNINCORPORATED | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.3 | 0.3 | 6 |