



# 2021 Non-Motorized Trails Grant Application

Town of Castle Rock Colorado Front Range Trail Improvement Projects

## MAINTENANCE GRANT APPLICATION CHECK LIST

(Return this completed form with your application)

### MANDATORY:

- ☐ Signed letter of resolution from Governing Body that includes resources/support committed to the project
- ☒ Exhibit A - Application
- ☒ Exhibit B - Budget (Unprotected Excel CPW form)
- ☒ Environmental Forms
- ☒ Maps/Photos/Graphics [Separate PDF document(s)] DO NOT combine with application
- ☒ Letters of Support (maximum of 5). No letters from clubs, groups or individuals specifically working on the project.
- ☒ Project should be completed within 2.5 years from receiving grant.
- ☒ Required MATCH funding is secured, including CASH match funds.
- ☒ CPW Area Manager was contacted about the project by September 8<sup>th</sup> and applicant has discussed the project with them. Note: ALL projects will be reviewed by CPW for wildlife impacts.
- ☒ Project area is owned by public land agency or has easement that designates the area to be open to public outdoor recreation for at least 25 years.
- ☐ Formal Environmental Assessment (EA) or NEPA has been completed with final approval for the project area (federal lands only, include link to EA).
- ☒ Construction projects have been evaluated for required permits and if required, permits have been acquired (404 permit, etc.).

### ADDITIONAL PROJECT HIGHLIGHTS:

- ☐ Youth Corps or youth organization will be used on the project (name of organization).
- ☐ Volunteers will be utilized on the project (name of organization).

# Town of Castle Rock Colorado Front Range Trail Improvement Projects

## NON-MOTORIZED TRAIL MAINTENANCE APPLICATION

Applicant or Organization Name: **Town of Castle Rock Parks and Recreation Department**

Complete Mailing Address: **1375 W. Plum Creek Parkway, Castle Rock, CO 80109**

Applicant Lead Contact Name: **Barbara Spagnuolo**

Title: **Nat. Resource Specialist**

Telephone: **303-472-6986**

Email: **bspagnuolo@crgov.com**

Is this the primary contact for this grant: ☒ YES ☐ NO

### OFFICIAL USE ONLY – DUNS # (IF REQUIRED):

### PROJECT MANAGER (this person will have day-to-day responsibility for the project)

Name: **Richard Havel, Trails Planner**

Telephone: **303-472-6984**

Email: **rhavel@crgov.com**

### PRIMARY PARTNER INFORMATION (IF APPLICABLE)

Name:

Mailing Address:

Partner Contact Name:

Title:

Telephone:

Email:

Is this the primary contact for this grant: ☐ YES ☐ NO

### ABOUT THE PROJECT

Project Title: **Colorado Front Range Trail Improvement Projects**

Grant Request: **\$ 250,000**

Match Amount (Min. 30%): **\$ 114,015.90**

Total Project Cost: **\$ 364,015.90**

**Project Description:** Please write a 2-3 paragraph description of your project and the expected accomplishments. Be sure to include Who, What, When, and Where. **This is your scope of work.** (This section is not the place to talk about the project background, the benefits, the funding, or anything other than the actual work to be accomplished. Please address that information in question #1 of the Selection Criteria.)

**WHO?** Who will complete the work and who will oversee the project? Provide a brief description of your community or organization, highlighting its mission and purpose.

**WHAT?** Explain what you are going to do or accomplish. What is the goal or the reason for your project? Break down the project into a list of specific activities to be completed. These should be quantifiable items that correspond to the categories on your budget page. Include quantity or quality as part of your description of work to be performed. How long? How many? How many feet? How many miles? What materials will be used? Is a specific standard or guideline being used?

**WHERE?** Explain in detail the location of your project. Where is the project located? What county? What National Forest/BLM Office? Provide the names of the trail(s) or trail system and where the work will be performed. List the land manager agency or municipality.

**DEFINITIONS?** Please define all acronyms and specialized terms that are used in your project description.

## Town of Castle Rock Colorado Front Range Trail Improvement Projects

### Project Description

The Town of Castle Rock Parks and Recreation Department (Town) is an award-winning nationally accredited organization managing more than 22 developed parks, almost 95 miles of paved and unpaved trails and thousands of acres of open space with a mission to enhance the quality of life and well-being of the residents of Castle Rock by acquiring and developing parks and trails and preserving open space and offering quality recreation programs and facilities designated to meet the needs of the community. To further that mission, the Town is looking to conduct maintenance and reconstruction activities to address safety, connectivity and accessibility issues on two sections of the paved, multi-use Colorado Front Range Trail (CFRT) as it travels through Castle Rock in Douglas County. Although located in different areas of Castle Rock, these projects are related in that they would both improve access and connectivity to the CFRT system. These proposed projects will not only directly serve Castle Rock residents with improved trail amenities in town, but will also serve as a regional travel alternative and recreational destination for trail users from Denver to Colorado Springs. The Town Trails Planner will coordinate and oversee trail construction and restoration of both projects that will be completed by a licensed contractor in 2021.

The Woodlands Bowl Asphalt Trail Reconstruction Project located within the Woodlands/Escavera neighborhood in central Castle Rock addresses ADA (Americans with Disability Act) and access issues with 0.265 miles of existing cracked and crumbling 8' wide asphalt trail by removing and replacing the existing trail corridor with concrete. The project will remove and dispose of 1,130 cubic yards of asphalt that will be replaced with 1,130 square yards of 6" thick (4500 psi) 8' wide concrete. Construction will include 175 cubic yards of earthwork grading and placement as well as 5,080 square feet of final grading, seeding and mulch for restoration of any temporarily disturbed areas. This section of trail is part of the proposed southern crossroads of the CFRT between East Plum Creek Trail paralleling I-25 and the Cherry Creek Trail to the east.

The other reconstruction project is the South Perry Street Connection Project, located just south of Downtown Castle Rock. The project addresses issues with ADA, access and connectivity to the paved East Plum Creek Trail by creating 1,100 linear feet (0.21 miles) of new paved trail. The project will place 1,175 square yards of 8" thick (4500 psi) reinforced 10" wide concrete over an existing compacted dirt access road traveling from South Perry Street cul-de-sac to the paved East Plum Creek Trail. Construction will also include 310 cubic yards of earthwork grading, subgrade soil prep and 24,100 square feet of final grading, seeding and mulch for restoration of any temporarily disturbed areas. This project will offer a direct paved connection route from available parking on the dead-end street to the paved trail route for walking, biking, commuting and nature observation and as well as regional use in the CFRT network.

### Previous CPW grants awarded (last 3 years) List award year, category and project name

Not applicable

# Town of Castle Rock Colorado Front Range Trail Improvement Projects

LAND OWNERSHIP			
1. Provide the name/s of the property owners: <b>Woodlands Master Association, Inc.</b>			
2. The trail corridor is controlled by: <input type="checkbox"/> Fee Simple <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Easement <input type="checkbox"/> License <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Other:			
USER INFORMATION (Please check all that apply)			
<input checked="" type="checkbox"/> Hiking	<input type="checkbox"/> Motorcycling	<input type="checkbox"/> Equestrian	
<input checked="" type="checkbox"/> Walking	<input type="checkbox"/> Four-Wheeling	<input checked="" type="checkbox"/> ADA Accessible	
<input checked="" type="checkbox"/> Running	<input type="checkbox"/> All-Terrain Vehicle	<input type="checkbox"/> Paddling	
<input checked="" type="checkbox"/> Skateboarding	<input type="checkbox"/> Snowmobiling	<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> In-Line Skating	<input type="checkbox"/> Snowshoeing	<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> Biking	<input type="checkbox"/> X-Country Skiing	<input type="checkbox"/> Other	
TRAIL SURFACE			
<input checked="" type="checkbox"/> Asphalt	<input type="checkbox"/> Concrete	<input type="checkbox"/> Other	
<input type="checkbox"/> Natural	<input type="checkbox"/> Crusher Fines	<input type="checkbox"/> Other	
PROJECT LOCATION (For multiple project sites attach a separate list.)			
Nearest Town or City: <b>Castle Rock</b>			
County: <b>Douglas County</b>			
Latitude & Longitude Coordinates (in decimal degrees): <b>39.385824/-104.842024</b>			
State Congressional District ( <a href="https://www.govtrack.us/congress/members">https://www.govtrack.us/congress/members</a> ): <b>4th Congressional District</b>			
<i>Please fill out all the applicable categories for your project:</i>			
Acreage of new trailhead		Miles of trail being planned	
Miles of new trail construction		Miles of trail maintenance	0.26 miles
Miles of inter-connecting trail		Miles of trail reroute	
Miles of trail to be decommissioned		Miles of trail to be restored	
Miles of trail to be signed		Miles of trail grooming	
Other		Other	

DocuSigned by:

Jeff Braver

C2023CB0DAFF460...

Applicant Authorized Signature: \_\_\_\_\_  
(From Applicant Organization)

Date: 10/1/2020 | 2:07 PM PDT

Land Agency Authorized Signature: \_\_\_\_\_  
(From project location land agency, if different from applicant)

Date: \_\_\_\_\_

# Town of Castle Rock Colorado Front Range Trail Improvement Projects

LAND OWNERSHIP			
1. Provide the name/s of the property owners: <b>Town of Castle Rock</b>			
2. The trail corridor is controlled by: <input checked="" type="checkbox"/> Fee Simple <input type="checkbox"/> Lease <input type="checkbox"/> Easement <input type="checkbox"/> License <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Other:			
USER INFORMATION (Please check all that apply)			
<input checked="" type="checkbox"/> Hiking	<input type="checkbox"/> Motorcycling	<input type="checkbox"/> Equestrian	
<input checked="" type="checkbox"/> Walking	<input type="checkbox"/> Four-Wheeling	<input type="checkbox"/> ADA Accessible	
<input checked="" type="checkbox"/> Running	<input type="checkbox"/> All-Terrain Vehicle	<input type="checkbox"/> Paddling	
<input type="checkbox"/> Skateboarding	<input type="checkbox"/> Snowmobiling	<input type="checkbox"/> Other	
<input type="checkbox"/> In-Line Skating	<input type="checkbox"/> Snowshoeing	<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> Biking	<input type="checkbox"/> X-Country Skiing	<input type="checkbox"/> Other	
TRAIL SURFACE			
<input type="checkbox"/> Asphalt	<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Other <b>Vehicle Tracking Pad</b>	
<input checked="" type="checkbox"/> Natural	<input type="checkbox"/> Crusher Fines	<input type="checkbox"/> Other	
PROJECT LOCATION (For multiple project sites attach a separate list.)			
Nearest Town or City: <b>Castle Rock</b>			
County: <b>Douglas</b>			
Latitude & Longitude Coordinates (in decimal degrees): <b>39.355410/-104.862020</b>			
State Congressional District ( <a href="https://www.govtrack.us/congress/members">https://www.govtrack.us/congress/members</a> ): <b>4th Congressional District</b>			
<i>Please fill out all the applicable categories for your project:</i>			
Acreage of new trailhead		Miles of trail being planned	
Miles of new trail construction	0.21 miles	Miles of trail maintenance	
Miles of inter-connecting trail		Miles of trail reroute	
Miles of trail to be decommissioned		Miles of trail to be restored	
Miles of trail to be signed		Miles of trail grooming	
Other		Other	

DocuSigned by:  
  
 Applicant Authorized Signature: \_\_\_\_\_ Date: 10/1/2020 | 2:07 PM PDT  
 (From Applicant Organization) C2023CB0DAFF460...

Land Agency Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 (From project location land agency, if different from applicant)

[illegible]

## EXHIBIT A

### 1. SCOPE (15 Points Total)

Both proposed projects are part of the statewide Colorado Front Range Trail (CFRT) that travels through Castle Rock north to south along East Plum Creek, the main north-south spine trail traveling along E. Plum Creek, as well as west to east along Hangman's and McMurdo gulches towards Cherry Creek Trail, forming the southern crossroads of the CFRT.

The Woodlands Bowl Asphalt Trail Reconstruction Project located within the Woodlands/Escavera neighborhood addresses ADA and access issues with 1,400 feet (0.265 miles) of existing cracked and crumbling 8' wide asphalt trail. The project will remove and dispose of 1,130 cubic yards of asphalt that will be replaced with 1,130 square yards of 6" thick (4500 psi) 8' wide concrete. Construction will include 175 cubic yards of earthwork grading and placement as well as 5,080 square feet of final grading, seeding and mulch for restoration of any temporarily disturbed areas. The trail reconstruction will occur within a permanent non-exclusive easement granted to the Town of Castle Rock (Town) by the property owner, Woodlands Masters Association, Inc. to address any access, construction, operation, maintenance and repair activities conducted on the trail by the Town. This section of trail circles a private park reserved for residents of the Woodlands/Escavera neighborhood but the trail is open to public use.

The section of the CFRT in the Woodlands Bowl Open Space is currently an 8'-wide asphalt trail in deteriorating condition, which does not meet the standards for paved trails in Castle Rock. The worsening conditions include multiple significant cracks that have been repaired in the past, gaps and potholes in the tread and shoulder degradation. These issues can create obstacles or tripping hazards for all trail users, especially with bicycles, wheelchairs and electric mobility devices, skateboards and other wheeled devices. This asphalt trail was intended as a neighborhood walking path for access to the private residential park, however, it has been incorporated into the alignment of the southern crossroads of the CFRT connecting users from East Plum Creek Trail west of the project to the Cherry Creek Trail east of the project. Trail use will increase and the asphalt trail condition will increasingly deteriorate, once the final sections of the CFRT in Castle Rock are completed within the next two years.

The South Perry Street Connection Project is located just south of Downtown Castle Rock at the South Perry Street cul-de-sac on open space property owned by the Town. The project addresses issues with ADA, access and connectivity to the paved East Plum Creek Trail by creating 1,100 feet (0.21 miles) of new paved trail. The project will place 1,175 square yards of 8" thick (4500 psi) reinforced 10" wide concrete over an existing compacted dirt access road traveling from South Perry Street to the East Plum Creek Trail. Construction will also include 310 cubic yards of earthwork grading, subgrade soil prep and 24,100 square feet of final grading, seeding and mulch for restoration of any temporarily disturbed areas.

The current connection from South Perry Street to the East Plum Creek Trail is a dirt road with a vehicle tracking pad area near the access gate and entrance gap in the fencing for pedestrians and cyclists. Trail users are allowed to park on the cul-de-sac area, but must use the dirt road in order to access this section of East Plum Creek Trail, which was completed in October 2019. The width of the road near the access gate has begun to widen, most likely from walkers and cyclists avoiding the rocky conditions for the vehicle tracking pad. Additionally, a social trail has started to develop near the junction of the dirt road with the paved trail, where trail users are looking to leave the dirt road and access the trail.

The multi-use East Plum Creek Trail, open to walkers, joggers, commuters and bicyclists, is the Town's main off-street concrete trail, serving as a destination for recreational use along the scenic riparian corridor of East Plum Creek, as well as a vital connection between residential subdivisions, to Historic Downtown, businesses, shops, restaurants, schools, parks, the local library, community centers and other attractions. Tens of thousands of users take advantage of the existing East Plum Creek Trail and McMurdo Trail systems year-round to exercise, explore nature, enjoy the scenic views and travel around Castle Rock.



## EXHIBIT A

**2. NEED (15 Points)**

Both proposed maintenance and improvement projects are needed to address issues with connectivity to the regional Colorado Front Range Trail system (CFRT) and accessibility for users of all abilities. These accessibility issues were recently identified in an ADA (Americans with Disabilities Act) audit of facilities owned and operated by the Town of Castle Rock Parks and Recreation Department (Town). The audit led to a July 2020 ADA Facility and Parks Transition Plan that identifies the need for accessibility improvements throughout the Town's parks and trails systems. The connectivity issues have been identified as the Town begins the design and construction of the final segments of the CFRT as it travels through Castle Rock, which will be completed within the next two years.

The Woodlands Bowl Trail was constructed in 2003 with asphalt paving. Over the last 17 years, the asphalt has begun to fail and its lifetime is coming to an end. Sections of the trail are showing pavement separation, deterioration and heaving causing safety issues for trail users as well as placing the trail out of compliance with ADA standards. The project will remove the failing asphalt pavement and replace it with concrete, creating a safe, ADA compliant trail that will outlast and remain a consistently smooth surface beyond the standards of asphalt paving.

The South Perry Street access trail is currently an unpaved access route serving both trail users as a connection to the East Plum Creek Trail (aka CFRT) as well as Castle Rock Water to maintain a wellsite located on the property. Current conditions of the access route consist of a Vehicle Tracking Control pad (VTC, 1" – 2" rock, 10' wide by 50' long) at the entrance from S. Perry Street and an unpaved, uneven and rutting surface causing safety issues for trail users as well as placing the trail out of compliance with ADA standards. The project will remove the VTC, regrade the existing access and construct an 8" thick steel reinforced concrete surface creating a safe, ADA compliant trail for all users as well as maintenance access for heavy equipment at the wellsite.

Operation and maintenance for all paved trails in Castle Rock is performed by the Parks Maintenance and Operations Division staff in the Parks and Recreation Department. The Parks Division provides maintenance services through a Maintenance Standards and Operations Manual (Manual) that outlines standards and tasks to assure that parks, park facilities, trails, town properties and open space areas are safe, open, clean and accessible to the public. The Manual describes standard operating procedures for concrete trails and bike path shoulders to ensure the new trail projects, and all paved trails, will be maintained and managed for long-term sustainability by checking weekly for broken or shifting areas, removing snow after every storm, monitoring for ice, clearing trails of debris or sweep as needed, mowing grass to a five- to six-inch height along the shoulders then sweeping or blowing clippings off the trail, applying herbicide and insecticide as needed, removing trash weekly, verifying positive drainage off-trail after storm events and repairing and caulking expansion joints or grinding down lifted joints twice a year or as needed.

The proposed projects will serve residents and guests of Castle Rock, as well as users of the CFRT system. Castle Rock is located halfway between Denver and Colorado Springs, featuring a historic Downtown, diverse recreational options, scenic natural environment and family-friendly activities. According to recent surveys and the 2010 U.S. Census data, Castle Rock's median age is 35 and the majority of residents are married. Most Castle Rock residents are white with 10.8% Hispanic or Latino and 29% of the population is under 18 years of age. The median household income is \$104,000. As the County seat incorporated in 1881, the town has been steadily growing from its rhyolite quarrying roots to an active full-service municipality of almost 75,000 residents (as of August 2020) within 33 square miles. Ranked one of the top healthiest communities of 2019 by U.S. News, our residents consistently rank the hiking/biking trails as a top value and benefit.

The paved multi-use East Plum Creek Trail is the north-south segment of the CFRT and is the Town's main off-street concrete trail, serving as a destination for recreational use along the riparian corridor of E. Plum Creek, as well as a vital connection between residential subdivisions, Historic Downtown, businesses, shops, restaurants, schools, parks, local library, community centers and other attractions. This trail offers year-round opportunities to exercise, explore and travel around Castle Rock, as well as a variety of programming activities from special events to training classes to running and cycling races. The E. Plum Creek Trail is open to walkers, joggers, commuters and bicyclists, and according to pedestrian counter data collected at the main trailhead, daily traffic averages more than 186 walkers/runners and cyclists accessing the trail, which would generate an annual total of almost 68,000 trail users in 2020. The east-west segment of the CFRT begins with the paved Hangman's Gulch Trail connection with the E. Plum Creek Trail, continuing to the Woodlands Bowl asphalt trail section, which currently serves the 1600 residents of the Woodlands/Escavera neighborhood, until construction of the remaining 3.1 miles of the east-west segment is completed in 2022 (trail design is underway and construction is planned to begin in 2021). This east-west segment is also open to walkers, joggers, commuters and bicyclists.



## EXHIBIT A

### 3. PLANNING/SUSTAINABILITY (Planning and Prioritization Process) (15 points)

The Town of Castle Rock Parks and Recreation Department (Town) has received recognition by the National Recreation and Parks Association as an award-winning accredited agency that focuses on conservation, health and wellness and social equity by preserving open space, providing excellent recreation facilities, integrating parks and trails with neighborhoods and ensuring that our residents and guests have reasonable access to programs and facilities. These proposed improvement and reconstruction projects ensure the Town continues to provide reasonable access to its trail facilities for users of all abilities wishing to utilize the paved trail system for exercise, commuting or outdoor activities. According to the 2015 Parks and Recreation Master Plan, parks, open space and trails located within the Town of Castle Rock contribute to the quality of life and help establish the character of this community. Castle Rock residents believe that recreational opportunities and natural resources are important and should be considered a priority in the management and planning for the future growth and development of the Town. Paved trail mileage has increased 30% since 2008, however, trail funding increases only 5% annually despite higher construction costs and added costs from requirements for grading, erosion and sediment control. With current funding levels, it has taken the Town longer to achieve the goal of completing important community and regional trails connections, such as the Colorado Front Range Trail.

The completion of the Colorado Front Range Trail has been identified as a high priority in Castle Rock. With these new segments, the Castle Rock community will have the opportunity to connect to Downtown and to the Cherry Creek Trail, taking recreational and commuting trail users north to Denver and south to Colorado Springs. These proposed trail connections will support the expansion of community and regional events such as the Castle Rock Half-Marathon & 10K race, nighttime full moon bike rides, 5k runs, Bike to Work Day and longer distance route options for more regional races.

As with all construction projects in Castle Rock, (Best Management Practices) BMPs are a requirement to insure local waterways are protected from construction runoff. This obligation includes the preparation and Town approved Temporary Erosion and Sediment Control Plan (TESC) identifying location of projects BMP's as well as TESC permitting. When planning new trails, the Town keeps a minimum of a 25-foot radius in effort to make it easier on our maintenance personnel when plowing. It has been our experience that any radius less than 25' is too tight for a plow vehicle to turn, making it difficult to stay on the trail.

After years of building paved trails, we have found that the optimum thickness of concrete is 6". Thinner concrete trails, such as 4", cannot hold up to the continuous weight of plows and eventually crack and settle over time. However, the 6" concrete can withstand the weight and remain sustainable year after year.

In circumstances such as the S. Perry Street connection, where a variety of vehicles such as drill rigs and maintenance vehicles weighing greater than a plow truck will be constantly driving on the trail, the concrete will be strategically thickened to 8" with added reinforcements. This allows the weight to be distributed properly and the longevity of the trail to be more sustainable.

Generally, any trail construction has the potential for negative environmental and wildlife impacts. Direct negative impacts will be mitigated by placing the alignment for both trail reconstruction and construction projects directly over an existing trail or access road, eliminating the need to construction the trail routes through undisturbed wildlife or wetland habitat. The Town's development guidelines outline other measures to reduce environmental impacts (such as Best Management Practices) within the required permitted Grading and Sediment Erosion Control and TESC plans. Following construction, the Town's trail regulations and restrictions in the Municipal Code governing use of recreational trails will prohibit off-trail activities, off-leash dogs, as well as limited nighttime use to minimize negative impacts on wildlife activity. Both projects and the proposed alignments have been reviewed by the local CPW District Wildlife Managers assigned to those areas and those DWMs will be contacted regularly with project updates if additional permits, licenses or documentation may be needed.

## EXHIBIT A

### 4. PLANNING/SUSTAINABILITY (Financial Sustainability) (15 points)

This is not a multi-phase, but rather, a multi-project maintenance project to assist in repairs and replacement of existing non-compliant ADA trail sections. Operation and maintenance for all paved trails in Castle Rock is performed in-house with the full-time and seasonal Parks Maintenance and Operations Division staff in the Parks and Recreation Department. The Parks Division provides maintenance services through a Maintenance Standards and Operations Manual that outlines their standards to assure that parks, park facilities, trails, town properties and open space areas are safe, open, clean and accessible to the public. The Department's Maintenance Standards and Operations Manual describes standard operating procedures that include the following standards applicable to the maintenance of these proposed trail projects:

#### BIKE PATH SHOULDER:

- Apply contact herbicides and insecticides throughout the year per manufacturer's recommendations or as needed. Apply preventative herbicide in early spring.
- Fertilize as needed during the fall.
- Maintain a list of damaged or dead grass areas and reseed or sod in early fall or early spring (twice a year).
- Mow at a five- to six-inch height. Remove grass clumps from lawn and sweep or blow clippings off of trails.
- Pick up trash and/or debris (weekly) before mowing.
- Trim grass from along pavements, fences, walls, signs and other features with each mowing.

#### CONCRETE TRAILS:

- Clear trails of debris or sweep as needed.
- Check for broken or shifting areas (weekly).
- Remove snow after every storm and monitor for ice.
- Reconstruction includes the removal of existing concrete, supplement base material and laying down new concrete pavement (every 25–50 years).
- Remove debris, eroded soils or flood silt deposits.
- Remove trash and debris and sweep regularly to maintain a clean and safe surface (weekly).
- Repair and caulk expansion joints (twice a year or as needed).
- Grind down lifted joints.
- Repair damaged pavement upon observation (large cracks, uneven joints, potholes, root damage, etc.).
- Trim pavement edges (monthly).
- Verify American Disability Act (ADA) compliance including profile and cross-slope grades.
- Verify positive drainage off trail—ensure there are no puddles after rain.

#### GENERAL MOWING OPERATION:

- Blow or sweep off sidewalks, parking lots and other surfaces where grass clippings have collected.
- Crosscut or rake areas where larger grass clippings have accumulated.
- Inspect for weeds and report to Supervisor for weed suppression treatments.
- Pick up all ground trash prior to mowing. Do NOT mow over trash or debris.
- Report any park damage or vandalism to full-time park staff members.
- Trim around all benches, trashcans, trees and other areas of the park where larger equipment cannot reach.
- Wear all required safety equipment.

The Town has a dedicated sales tax to fund the design, construction, maintenance and repairs of Castle Rock's trail system. The Annual Trail Improvement Account fund is currently \$638,142.00 and increases annually by 5%. Funds will be sourced and secured through the Streetscapes / Trails Account for operation and maintenance, with the current annual costs to maintain the Town's concrete trail system at \$869,710.00. The annual cost of maintenance is derived by using the Cartegraph operations management software system which continually monitors real-world conditions, lifecycles and current costs. The Town of Castle Rock is responsible for the long term maintenance of the Town's trail system. The trail system is continually monitored by the Parks Maintenance and Operations Division for damage and safety concerns and is recorded in the Cartegraph software system to identify areas for future repairs and replacement. The Town may apply for future CPW Trail grant assistance with both new trail construction as well as maintenance assistance on other sections of trail within our system.

## EXHIBIT A

### 5. (PLANNING/SUSTAINABILITY) Wildlife and Natural Resources (10 points)

Town staff contacted the Area Wildlife Manager for this region (Area 5) in early September before the September 8 deadline to provide notification of the Town's intent to proceed with the grant application and to discuss the feasibility of an application for two separate maintenance / improvement projects. The AWM recommended directly contacting the two District Wildlife Managers assigned to the project areas for their input and recommendations. Both DWMs responded to our notification and agreed that the projects as described do not present significant wildlife impacts. Additionally, based on recommendations from the DWMs, Town staff contacted and discussed the projects and grant application via a Zoom conference call with the CPW Northeast Region Trails Coordinator and Federal Grant Administrator.

Impacts to wildlife, habitat and sensitive environmental resources should be negligible due to the scope of the maintenance and improvement projects, including design, alignment, construction methods, restoration and ongoing management of the projects. For instance, the new paved trail (Woodlands Bowl Asphalt Trail Reconstruction) will be the same width as the existing asphalt path and the width for the South Perry Connection project will be narrower than the current road conditions. By utilizing existing trail and road corridors, there will not be new disturbances to habitat and wildlife connectivity. To minimize erosion, sedimentation and runoff to surrounding habitat, all construction activities will follow guidelines established in the Douglas County Grading, Erosion, Sediment Control Manual and related permits. Any temporarily disturbed areas will be revegetated with a Douglas County seed mix specific to the project area (upland or riparian). Additionally, public use of both trail segments will follow existing Town of Castle Rock regulations for permitted and prohibited uses to reduce impacts to wildlife, such as limited hours of use between 11 p.m. and 5 a.m. and prohibited motorized vehicles on the trails.

## EXHIBIT A

### 6. (PUBLIC COMMENT) Public notification is mandatory for all projects (10 points)

Since 2011, the Town of Castle Rock (Town) has conducted a biennial survey of residents and businesses to gauge local attitudes. Based on rankings in all surveys, including the most recent town-wide survey conducted in 2019, there is high demand for both paved and unpaved trails in Castle Rock, which explains why residents rate trails as one of the most often visited recreational facilities and believe that recreational opportunities, like paved trails, are important and should be considered a priority in the management of future development of the town. The 2019 survey also showed that Castle Rock residents have listed the development of new trails as well as upgrading or repairing existing parks and trails as second in importance after the purchase of land to preserve open space.

The Town stresses direct and open communication with the public, especially with construction and maintenance projects that impact local trails, since trails are both an important recreational and commuter transportation resource for Castle Rock residents. To inform and notify residents of projects, the Parks and Recreation Department utilizes news releases, quarterly Recreation Guides (mailed to every residential address), Town Council and Advisory Commission presentations, email notifications, online event calendars, open house events, direct mail, updated webpages, trail construction webpages ([www.CRgov.com/TrailConstruction](http://www.CRgov.com/TrailConstruction)), posters/flyers, onsite signage, social media postings and monthly reports, among other methods. Specifically, both the Woodlands Bowl Asphalt Reconstruction Project and the South Perry Street Connection Project are listed on the Town's trail construction webpage for information and updates on these proposed projects.

With public, community and stakeholder support, Colorado State Parks established the vision for the Colorado Front Range Trail (CFRT) as a multi-purpose trail from Wyoming to New Mexico in 2003. Collaborative planning and steering efforts cumulated in the publication of the Colorado Front Range Trail Comprehensive Implementation Plan in 2007. That Implementation Plan identified Priority Segments, segments deemed critical to complete because they are the essential missing links that will connect the major cities and population centers along the CFRT corridor; the East Plum Creek Trail has been identified as priority segments in the plan.

The completion the CFRT corridor in Castle Rock, which these maintenance/repair projects are part of, is included as the top priority trail connection in multiple Master Plans for the Parks and Recreation Department, beginning in 2002 and most recently within the 2015 Parks, Recreation, Trails and Open Space Master Plan, 2018-2020 Parks and Recreation Strategic Plan and the 2019-2024 5-Year Capital Improvement Plan. The CFRT is also included in the 2017 Castle Rock Transportation Master Plan update. All master plans and strategic plans were vetted through public process, which includes public open houses and online surveys with final approval process through the Parks and Recreation Commission, Public Works Commission and Town Council. Since the adoption of the CFRT as a priority in these plans, and with the help of partnerships, over seven miles of concrete trail have been constructed with construction planning of another five miles in progress.

The newest section of the CFRT, a two-mile extension from South Perry Street, was completed by the Town in 2019. During the planning process for that extension, the Town conducted multiple outreach efforts to involve and notify the public of the proposed project. Those efforts involved an online feedback form available on the project webpage, multiple posts on the Town's Facebook page and informational tables at several free public events which generated 157 positive responses and one negative response to the feedback form. The negative response dealt with a resident's argument that funds for the trail project go to other recreational items such as a new indoor recreational facility, however, budgets for trail projects cannot be used for new parks or recreational facility construction. Overall, residents responded favorability following each social media post with a lot of interest in the connectivity of the trails.

## EXHIBIT A

### 7. (ABILITY) Matching Funds and Partnerships (10 points)

Castle Rock Water, a Town managed utility enterprise, has partnered with the Town of Castle Rock Parks and Recreation Department on similar trail construction projects in the past to address stormwater or access issues that benefit their department, and will be partnering again to help construct the South Perry Street Connection Trail. This proposed paved access route will primarily serve as a connection for trail users accessing the East Plum Creek Trail from South Perry Street, but will also serve as maintenance access for CR Water vehicles and heavy equipment when needed at the wellsite. Funding for the project will be sourced and secured through the Annual Trails Improvement Account, which is a dedicated town sales tax to be used for the design, construction and maintenance of the Town's trail system. Additional funding will be sourced and secured through Castle Rock Water. Castle Rock Water will capture the increase in cost to widen and reinforce this access connection, from a standard 8' wide 6" thick concrete trail to a 10' wide 8" thick reinforced concrete trail to accommodate any heavy equipment that may need to access a well site located on the Town-owned open space property that the new connection travels through.

Two letters of support for the proposed projects have been attached separately. These letters have been provided by the Woodlands Master Association Inc., property owners where the Woodlands Bowl Asphalt Reconstruction Project is located, and a local cycling club. A resolution from the governing body, Castle Rock Town Council, supporting the grant application as well as the completion of both projects, will be presented for Council approval on October 20, 2020. A copy of the final signed resolution will be submitted afterwards.

## EXHIBIT A

### 8. (ABILITY) Contingency/Ability (5 points)

At this time, no other funding sources have been dedicated or anticipated to be dedicated to these construction projects. Without the grant assistance, it may take several years to build up the funds to complete both projects. Until additional funding is secured to complete the projects, the connection to the paved East Plum Creek Trail from South Perry Street will remain as a compacted dirt access road that is not accessible to all users and the Woodlands Bowl asphalt trail will continue to deteriorate.

The Town of Castle Rock (Town) has had a variety of successful open space acquisition and construction projects partially funded with grant awards from Great Outdoors Colorado (GOCO) and Colorado Parks and Wildlife (CPW) that have enabled the Town to protect open space areas and provide important recreational amenities for our residents and guests. Grant awards that have come from GOCO have been through the Local Park and Outdoor Recreation Grant Program, Connect Initiative Grant Program and Open Space Grant Program to partially fund the following projects: Quarry Mesa Open Space Acquisition, \$400,000 grant in 2006; Philip S. Miller Park Adventure Playground Construction, \$250,000 grant in 2013; East Plum Creek Trail Phase 5 Construction, \$1,000,000 grant in 2016; and Colorado Front Range Trail Construction Project, \$2,000,000 grant awarded in 2019 with a 2022 completion deadline. Grant awards from CPW have been through the Colorado Front Range Trail Construction and Land Acquisition Grant Program to partially fund the following projects: East Plum Creek Trail Phase 3 Construction, \$200,000 grant in 2007; East Plum Creek Trail Corridor Land Acquisition, \$230,000 grant in 2009; and Hangman's Gulch Trail Construction, \$193,166 grant in 2013.

All projects listed above, with the exception of the CFRT Construction Project awarded in 2019 with a 2022 deadline, were completed in a timely manner with no issues. These grant awards from GOCO and CPW highlight the Town's ability to effectively manage projects and grant transactions according to the reporting and closeout requirements as well as our commitment to the objectives and goals of the various grant programs to either increase access to outdoor experiences through the construction of park facilities and non-motorized trails of local, regional, and statewide significance or the permanent protection of open space. The Town's commitment to these grant programs have been recognized by the Colorado Lottery with the distinction of Starburst Awards in 2008 for the Quarry Mesa project, in 2009 for the East Plum Creek land acquisition and in 2015 for the Philip S. Miller Park project.



**ENVIRONMENTAL CHECK LIST (for projects outside of NEPA requirements)**  
**(Construction and Maintenance Grants Only)**

Applicants are responsible to complete this form with county/local government staff or an environmental consultant to address the following environmental impacts associated with the project, including: securing all necessary permits, licenses, clearances, and environmental analysis documentation necessary to comply with local, state, or federal law. Please fill out the table below and associated narratives. If an environmental review has already been conducted on your proposal and is still viable, include the citation including any planned mitigation for each applicable resource, and choose an impact level as mitigated. If the resource does not apply to your proposal, mark NA in the first column.

All applicants will be evaluated for wildlife and aquatic impacts in a separate evaluation process by CPW wildlife staff.

<b>ENVIRONMENTAL CONSIDERATIONS</b> Indicate potential for adverse impacts	<b>NOT APPLICABLE</b> Resource does not exist	<b>NEGLEGIBLE IMPACTS</b> Exists but no or negligible impacts	<b>MINOR IMPACTS</b>	<b>IMPACTS EXCEED MINOR</b>	<b>MORE DATA NEEDED TO DETERMINE DEGREE OF IMPACT</b>
1. Plants species of special concern and habitat; state/federal listed or proposed for listing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Water quality/quantity – surface and ground water considerations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Wetlands/floodplains	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Storm water runoff and/or Sedimentation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Geological resources: soils, bedrock, slopes, streambeds, landforms, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disturbances to neighboring properties	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Historical/cultural resources, including landscapes, ethnographic, archeological, structures, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Introduction or promotion of non-native species	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Environmental disturbances during construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Air Quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Land/structures with history of contamination/hazardous materials even if remediated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other important environmental resources to address	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Use a separate sheet if necessary for the following questions.

Please briefly clarify how each resource could be adversely impacted; any direct, indirect, and cumulative impacts that may occur; and any additional data that still needs to be determined. Also explain any planned mitigation already addressed in previous environmental reviews.

**MITIGATION:** Please describe how impacts exceeding negligible will be mitigated; some considerations below:

- Alternative design or trail route system
- Protection of critical habitat, channeling use through less sensitive habitat areas
- Re-vegetation of disturbed areas and control of invasive species
- Management of users and related activities with signs, fencing, and education programs
- Consideration of runoff when selecting project materials, such as uncured concrete to encourage seepage
- Comprehensive storm water runoff plan

Environmental impacts from the Woodlands Bowl asphalt trail replacement will be negligible as this project will be replacing an existing asphalt trail with concrete, but disturbed areas will have sediment and erosion control devices installed and maintained per the Douglas County GESC Manual and will be revegetated with a Douglas County native seed mix as soon as practicable after construction has been completed in accordance with the recommended seasons for revegetation and with practices conducive to success. The South Perry Street project will occur within a 100-year floodplain and habitat for the federally-threatened Preble's meadow jumping mouse, construction will be mitigated by aligning the new trail connection directly atop an existing dirt access road. This

**BENEFIT:** Please describe any positive impacts of the project on sensitive species; some considerations below:

- Habitat improvement such as restoration of native habitat, wetlands restoration, erosion reduction, sediment reduction, river corridor clean-up, or plantings with a diversity of species and plant types for habitat restoration, and the reduction or elimination of non-native plant species
- Education of users through environmental education programs

Current habitat conditions surrounding both project sites are in stable condition. There is concern of social trail development through undisturbed areas to access either the main East Plum Creek Trail from South Perry Street or to avoid deteriorating conditions of the uneven asphalt path at the Woodlands Bowl site. Neither project will disturb existing native habitat as the construction will follow existing alignments.

**ENVIRONMENTAL COMPLIANCE:** The applicant is responsible for adhering to all applicable environmental compliance regulations including: Migratory Bird Treaty Act; concurrence with US Fish and Wildlife Service if any federally listed species of concern exist in project area; Clean Water Act section 404; US Army Corps of Engineers 404 permits; raptor buffer guidelines and incorporation of CPW recommended wildlife best management practices; CO Senate Bill 40 (33-5-101-107, CRS 1973 as amended); Colorado Historical, Prehistoric and Archeological Resources Act. ***All required permits must be acquired prior to submitting a non-motorized trails grant application.***

Jeff Brauer, Director of Parks and Recreation

**Printed name of applicant:**

*An authorized person must sign here, such as the applicant's executive director, county commission chairperson, or city council chairperson. Must be same person as Application Checklist.*

DocuSigned by:

Jeff Brauer

C2023CB0DAFF460...

10/1/2020 | 2:07 PM PDT

**Signature of applicant:**

**Date**

Barbara Spagnuolo, Natural Resource Specialist

**Printed name, title of authority:**

*County/local government natural resource specialist or hired consultant that completed this checklist must sign here. The applicant and title of authority must be different.*

DocuSigned by:

Barbara Spagnuolo

A2D11B9C13A64FD...

10/1/2020 | 2:57 PM MDT

**Signature authority:**

**Date**

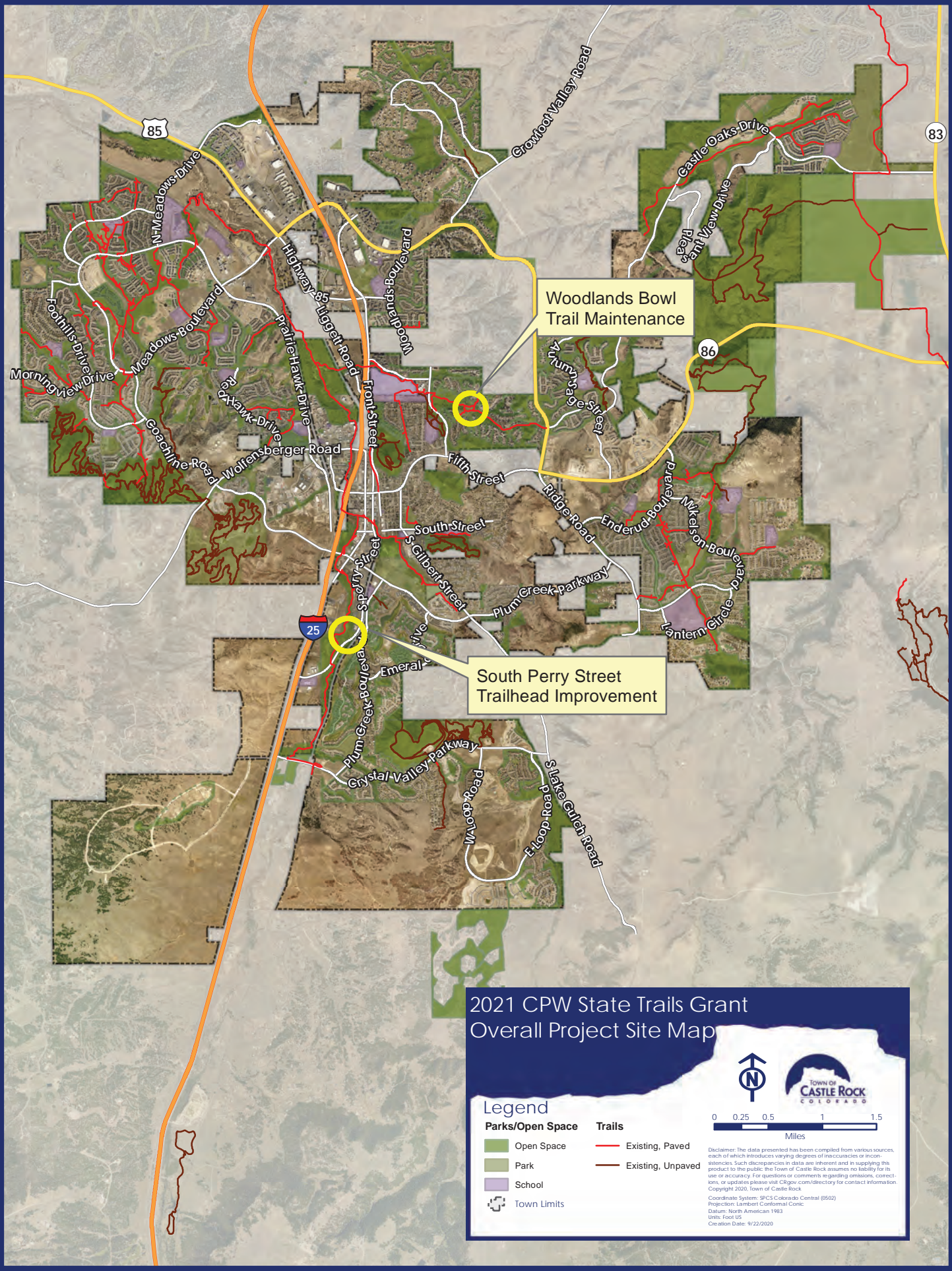
[illegible]

**Castle Rock**

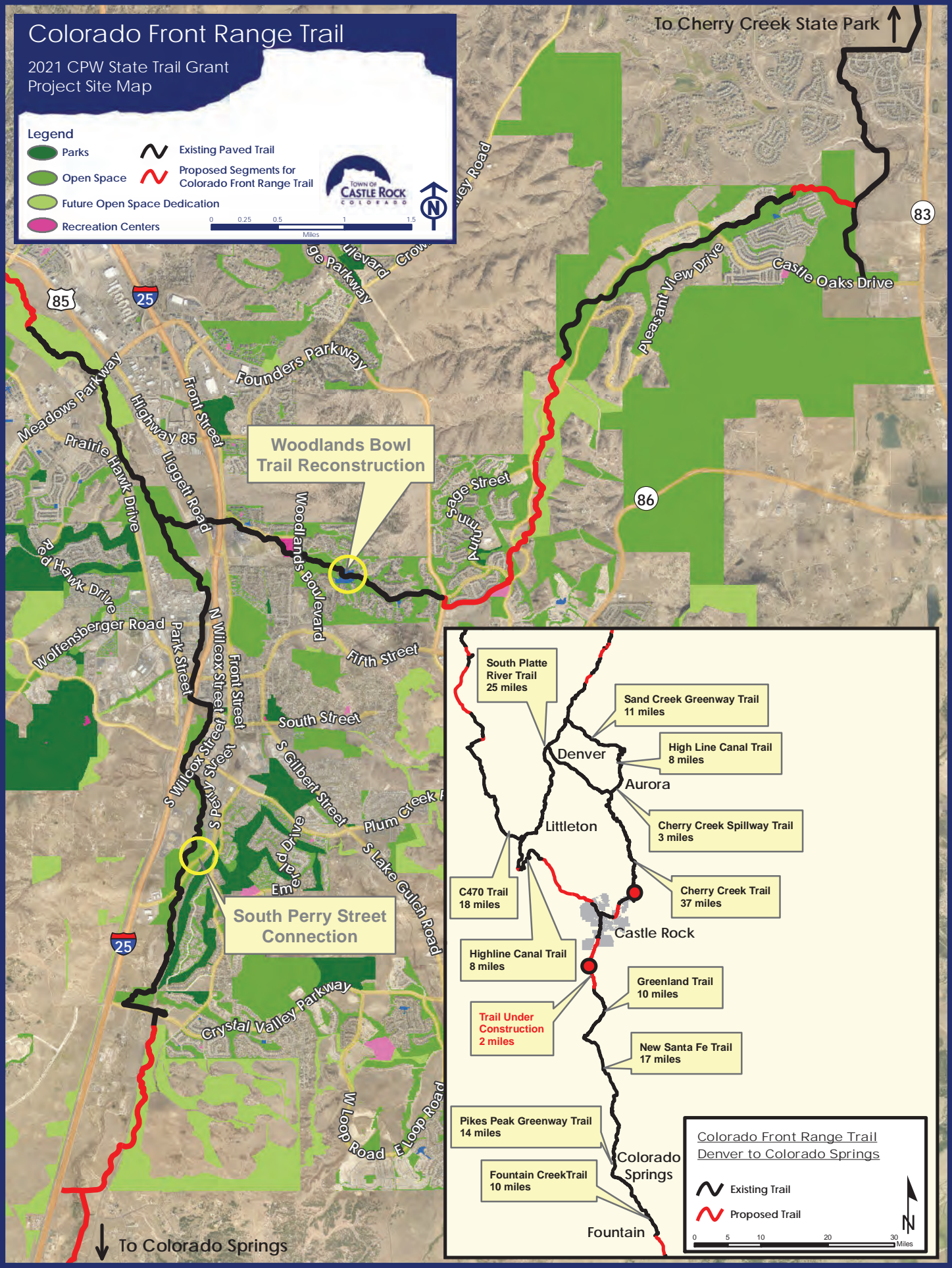
**Project Sites**

**Douglas County**











# CFRT Improvement Projects

Woodlands Bowl  
Trail Reconstruction

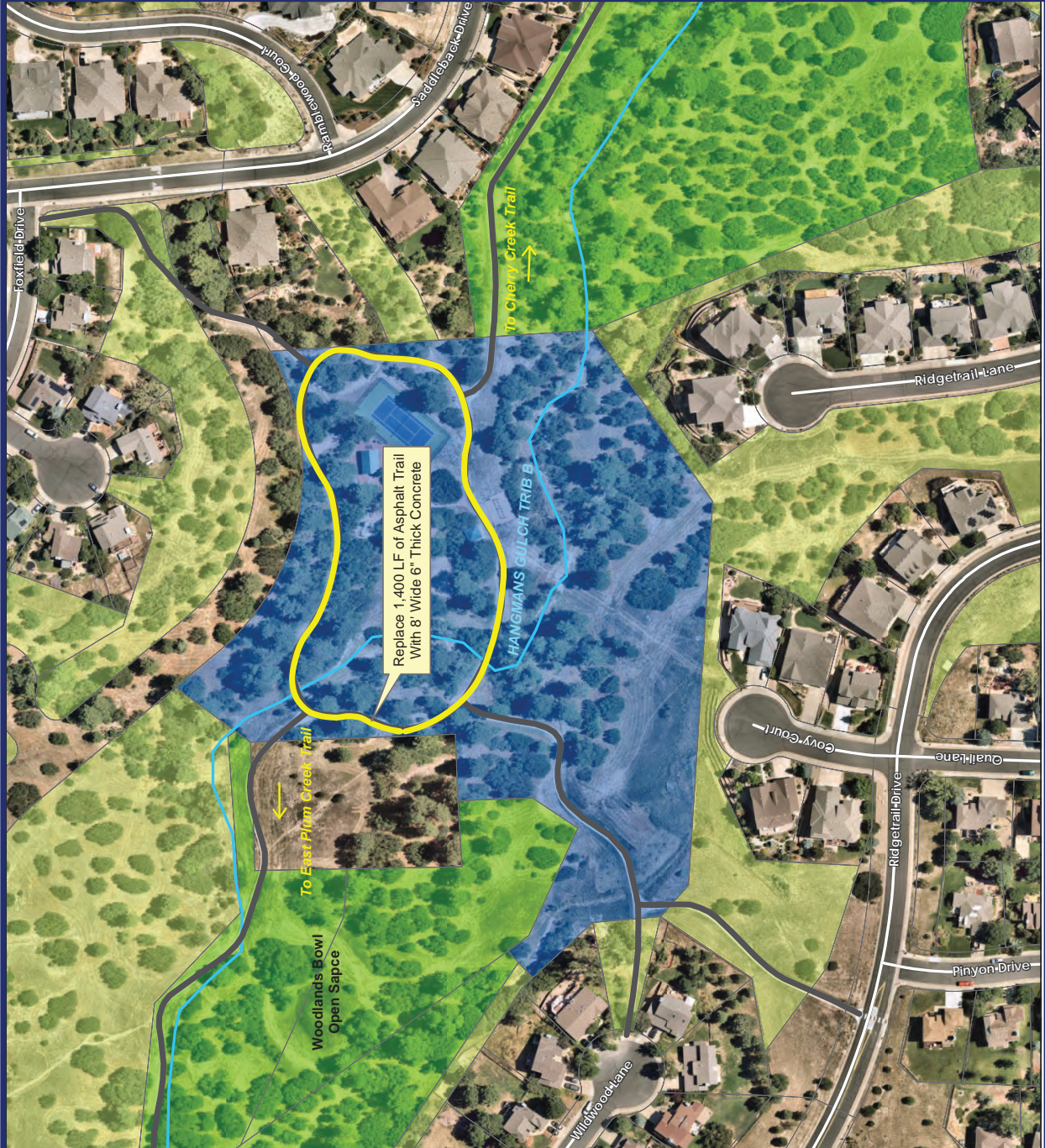
## Legend

- Parks
- Open Space
- HOA Parks
- HOA Open Space
- Paved Trails
- Unpaved Trails
- Proposed Town Built Trail
- Proposed Development Built Trail



Disclaimer: The data presented has been compiled from various sources, each of which introduces varying degrees of inaccuracies or inconsistencies. Such discrepancies in data are inherent and in supplying this product to the public the Town of Castle Rock assumes no liability for its use or accuracy. For questions or comments regarding omissions, corrections, or updates please visit [Crtgov.com/directory](http://Crtgov.com/directory) for contact information.

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Coordinate System: SPCS Colorado Central (0302)  
Projection: Universal Transverse Mercator  
Datum: North American 1983  
Units: Foot US  
Creation Date: 9/24/2020





# CFRT Improvement Projects

S. Perry Street  
Access Trail

## Legend



Parks



Open Space



HOA Parks



HOA Open Space



Paved Trails



Unpaved Trails



Proposed Town Built Trail



Proposed Development Built Trail



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Copyright 2020, Town of Castle Rock

Coordinate System: SPCS Colorado Central (0502)  
Projection: Universal Transverse Mercator  
Datum: North American 1983  
Units: Foot US  
Creation Date: 9/24/2020





## **Project Site Photos: Woodlands Bowl Asphalt Trail Reconstruction**



Connection point of concrete Colorado Front Range Trail with asphalt section in Woodlands Bowl Open Space.



Photo showing current deteriorating conditions of asphalt section of trail in Woodlands Bowl Open Space.



Photo showing current deteriorating conditions of asphalt section of trail in Woodlands Bowl Open Space.



Photo showing current deteriorating conditions of asphalt section of trail in Woodlands Bowl Open Space.



Photo showing current deteriorating conditions of asphalt section of trail in Woodlands Bowl Open Space.



Photo showing current deteriorating conditions of asphalt section of trail in Woodlands Bowl Open Space.



## Project Site Photos: South Perry Street Connection



South Perry Street cul-de-sac with access gate for vehicles and pedestrian access to the left of the gate.



Close-up view of pedestrian access to East Plum Creek Trail from South Perry Street.



View of existing path and rocky vehicle tracking pad near access gate.



View of dirt access path connecting to the East Plum Creek Trail.



View of dirt access path and social trail approaching the East Plum Creek Trail.



Connection point of dirt access path and the paved East Plum Creek Trail.



Woodlands Master Association, Inc  
c/o PCMS HOA Management  
7208 S. Tucson Way #125  
Centennial, CO 80112

September 29, 2020

To the Colorado State Trails Committee:

Please accept this letter of support for the grant application for the Colorado Front Range Trail Improvement Projects in Castle Rock. The Town of Castle Rock will be applying for a 2021 Colorado Parks and Wildlife Non-Motorized State Trails Grant for the Colorado Front Range Trail Improvement Projects to improve connectivity and accessibility issues. The Town will request an award of \$250,000 for the \$325,000 project.

On behalf of The Woodlands Master Association, Inc., our board is sending this letter to show our unanimous support for the proposed improvements to the most popular paved trail in Castle Rock that travels through open space owned by us. It will be a great benefit to our residents to have a wider path with a much safer surface to provide part of the connection between East Plum Creek Trail and Cherry Creek Trail. This connection means that our residents can leave our neighborhoods and be in downtown Castle Rock by bicycle in 20 minutes avoiding all the busy streets. It will also provide a safe path for our handicapped and elderly residents many of whom are original owners in this community built from 1985 until the late eighties. Lots of our residents are dog owners and spend time walking their dogs once or twice a day on this path that needs improvement. At the center of the circular path there is a playground, tennis court and volleyball court as well as a picnic pavilion. The path is the only access to these amenities so receives a lot of use by our residents. Not only do our residents use the path but many from Castle Rock and the surrounding areas also, because it is a beautiful wooded area with hundred year old Ponderosa Pine trees, Gambel Oak trees that are colorful in the fall and Chokecherry trees that are first to be green and blossom in the spring.

Once the entire Front Range Trail, that our path will be part of, is completed, it will provide a long ride for a day's worth of recreation for many who live along its path as well as tourists who will consider making this a destination for their biking. Some of our residents drive to Denver to participate in fund raising bicycle challenges along the Platte River Trail. Having a 10, 25 or 50 mile continuous paved trail will provide that opportunity locally.

We hope you will approve the Town of Castle Rock's request for a State Trails grant, Woodlands Master Association, Inc., the Town Council and the citizens of Castle Rock are supportive of this project and are committed to its success. Thank you for your time and consideration.

Sincerely,



*PRESIDENT*  
The Woodlands Master Association, Inc



September 29, 2020

To the Colorado State Trails Committee:

On behalf of the 100+ members of 6202 Cycling, Castle Rock, Colorado, please accept this letter of support for the grant application for the Colorado Front Range Trail Improvement Projects in Castle Rock. The Town of Castle Rock will be applying for a 2021 Colorado Parks and Wildlife Non-Motorized State Trails Grant for the Colorado Front Range Trail Improvement Projects to improve connectivity and accessibility issues. The Town will request an award of \$250,000 for the \$325,000 project.

These monies will be nothing short of an exceptional means to help the Colorado Front Range Trail Improvement Projects in Castle Rock with specific attention to the following areas:

- Woodlands Bowl Asphalt Trail Reconstruction
- South Perry Street Connection

6202 Cycling was formed in 2005, and the mission includes the following objectives:

- Promote by example, a **positive image** of bicycling in our community
- Serve our community while **advocating the rights and welfare of bicyclists**
- Extend a voice for the cycling community within the town of Castle Rock, Douglas County, and the State of Colorado to **represent future interests and ensure that the area remains bicycle-friendly**

As an organization committed to supporting cyclists of all skill levels to get out and ride their bikes, the multi-use trails in and around Castle Rock are vital to encouraging more people to ride their bikes. This is why we are sending this letter to show our unanimous support for the proposed maintenance and improvements to the popular paved trails in Castle Rock.

We hope that you will approve the Town of Castle Rock's request for a 2021 Colorado Parks and Wildlife Non-Motorized State Trails Grant for the Colorado Front Range Trail Improvement Projects. 6202 Cycling, Town Council, and the citizens of Castle Rock support this project and are committed to its success. Thank you for your consideration.

Ride Safe,

A handwritten signature in blue ink, appearing to read 'Matt Rettmer', is written over a faint, circular, light blue watermark or seal.

Matt Rettmer  
President, 6202 Cycling  
[www.6202cycling.org](http://www.6202cycling.org)  
303-905-2711