

MEETING NOTICE & AGENDA TUALATIN PARK ADVISORY COMMITTEE October 8, 2024 - 6:00 pm

Virtual Meeting

Options to Join:

Video: https://us06web.zoom.us/j/81030457339

Phone: +1 253 215 8782 US (Tacoma) Meeting ID: 810 3045 7339

"We are a group of enthusiastic advocates for the Parks & Recreation system with a focus on the stewardship and enhancement of our community."

A. Call to Order

1. Roll Call

B. Approval of Minutes

- 1. August 13, 2024
- 2. September 10, 2024

C. Communication & Comments

- 1. Chair
- 2. Staff
- 3. Public

D. Old Business

- 1. Park Bond Update
 - a. Project Presentation & Update
- 2. Committee Goals
- 3. Utility Fee Projects
 - a. Asset Assessment Condition Presentation
 - b. Asset Scoring Criteria
 - c. Project Selection Process

E. New Business

- 1. Project Stages
- 2. Updates
 - a. Programs
 - b. Projects
 - c. Operations
 - d. Volunteers

F. Upcoming Dates & Calendar Review

- **G.** Committee Member Communications
- H. Adjournment

City of TUALATIN PARKS & RECREATION

Minutes

TUALATIN PARK ADVISORY COMMITTEE August 13, 2024

Virtual Meeting

Members Present: Carl Hosticka, Emma Gray, Michael Klein, Beth Dittman, John

Makepeace

Members Absent: Cosimah Slider (excused)

Staff Present: Rich Mueller, Parks Planning & Development Manager

Bella DePhillipo, Office Coordinator

Public: None

A. Call to Order

1. Emma Gray called the meeting to order at 6:03.

B. Approval of Minutes

1. Carl Hosticka made a motion to approve the minutes from the July 9, 2024 meeting. Beth Dittman seconded, and committee members unanimously approved the minutes.

C. Communications & Comments

1. Chair

None

2. Staff

None

3. Public

None

D. Old Business

- 1. Park Bond Update
 - a. Project Status

Trail connections: Rich Mueller shared that Nyberg Creek Trail is in construction design, and that we expect 30% design by end of the month. Kira Hein will be leading this project.

New River Access: Rich shared that design is expected to begin in spring of 2025.

Athletic Fields: Rich reported that Kira Hein and Ross Hoover are meeting with community sports organizations to determine where bond funds can best enhance local athletic fields.

Natural Areas: Rich shared that the bond fund for acquiring natural areas has been spent and zeroed out with the pending purchase of Robb property.

b. Projects in Process

Veterans Plaza: Rich Mueller reported that construction continues to move forward, with the basalt stone features placed and the water feature being

waterproofed. He mentioned that the contractor is Paul Brothers, a family business that specializes in Parks & Recreation projects.

Future Riverfront Park: Rich Mueller showed where the newly acquired property is located and informed the group that this acquisition will increased riverfront property by 2.79 acres. He also shared that the city now has a traffic signal light at Martinazzi and Boones Ferry for property access, and that trails will be included. Rich mentioned that Ross took the lead on the acquisition, and spoke on the maintenance operations agreement. He said that Kira will lead planning and development for this project.

Beth Dittman asked about parking, Rich said it will be factored in.

Emma Gray clarified that this acquisition completes the trail starting at Ki a Kuts Bridge, and commended Rich & Ross's hard work.

c. Project Info: Rich invited comments on how public info has been going since Bella DePhillipo joined. Emma commented on social media and emails, and John commended the social media but mentioned that links to the website are not accessible via Instagram and suggested linktree.

2. Committee Goals

Emma Gray checked off a couple Q4 goals that were achieved at the council meeting that included river access and parks bond implementation.

3. Trail Ribbon Cutting

Rich Mueller thanked members who could attend the ribbon cutting, and spoke on the trail project coming to an end with construction completed. He also mentioned that Senate President Wagner and Rep Walters spoke along with the Mayor at the event. Beth Dittman complimented the event, and asked where she can recommend a flashing crosswalk for the route kids will be taking to school. Rich said Mike McCarthy can be contacted or to comment on the transportation plan currently in the planning stage. Michael Klein said the trail was great and the ceremony was lovely, and asked to someday improve the boat launch.

Emma Gray mentioned a conversation with the Hazelbrook track coach about how students might use the trail to run.

4. Facility Study & Plan

a. Long Range Plan

Rich Mueller shared info provided by Ross Hoover, that staff will run a draft by the group before going to council. He also discussed that the community has a need for a large facility.

Beth Dittman mentioned the importance that a playground is nearby and adequate parking is available, and advised thinking about growth of staff when considering office space, as well as proximity to Trimet.

Michael Klein mentioned it would be the perfect use of a former grocery space. Emma Gray mentioned the great need for a community center, and mentioned the desire for a swimming pool and potential income from a rentable space. Carl Hosticka asked about finance, Rich will pass along to Ross.

Michael advised caution and long range planning.

Emma summed up the group's desire to know more.

E. New Business

1. City Website Redesign

Beth Dittman and Emma Gray will go to the City focus group tomorrow, and they encourage the committee to let Emma know any ideas before tomorrow. Beth made

notes from committee members on the question "what do you most enjoy about living in Tualatin" and Emma Gray stressed poor navigation of the website.

2. Basalt Creek Parks & Recreation Plan

a. Rich Mueller mentioned that the Council adopted the plan last night, and shared a map showing the adopted trail plan, which is now in development code and city transportation plan. Rich thanked Emma for speaking on behalf of this agenda item.

3. Updates

a. Programs

Rich reported that it is the last week of day camp, and that the last summer concert is this Friday. He also mentioned that staff are engaged in pumpkin regatta preparation.

Beth inquired about the way in which community engagement, and needs identified from such engagements, are used to inform decisions about which programs are funded and produced.

b. Projects

Rich reported that Ki a Kuts bridge is in construction, which includes divers in water armoring the steel piles, and that expected completion is the first week of September.

c. Operations

None

d. Volunteers

None

F. Upcoming Dates & Calendar Review

The new board member will be approved at the next council meeting, and she will be at the next TPARK meeting. The first Council meeting in October is another bond update with Rich & Kira presenting.

G. Committee Member Communications

Emma Gray cannot make the next meeting, and Beth Dittman will conduct. She shared the volunteer logging site and reminded members to log their meeting hours.

H. Adjournment

Emma Gray adjourned the meeting at 7:08 pm.

City of TUALATIN PARKS & RECREATION

Minutes

TUALATIN PARK ADVISORY COMMITTEE September 10, 2024

Virtual Meeting

Members Present: Michael Klein, Rebecca Ryan, Beth Dittman, John Makepeace

Members Absent: Emma Gray (excused), Carl Hosticka (excused), Cosimah

Slider (excused)

Staff Present: Ross Hoover, Parks & Recreation Director

Rich Mueller, Parks Planning & Development Manager

Bella DePhillipo, Office Coordinator

Public: None

A. Call to Order

1. Beth Dittman called the meeting to order at 6:00 pm. Members and staff introduced themselves to new member Rebecca Ryan, who then introduced herself.

B. Approval of Minutes

1. Beth Dittman clarified section E3A of the August meeting minutes. Rich Mueller postponed approval of minutes until the next meeting.

C. Communications & Comments

1. Chair

None

2. Staff

None

3. Public

None

D. Old Business

- 1. Park Bond Update
 - 1 Project Status: Ross Hoover provided a brief history of the bond. Rich Mueller added that the playground equipment portion of the bond has been completed. Rich also shared the image that was sent out with the monthly parks update, and spoke briefly about the ribbon cutting, Ki-a-Kuts Bridge, and the brick program.
 - i. Rebecca Ryan asked about bond funds covering a better crossing for Boones Ferry, and Rich said it won't be done yet but eventually a trail will cross under Boones Bridge, as soon as land rights allow. Ross then pulled up a map and showed possible future trail connections, and mentioned future development of the downtown core area.
 - 2 Projects in Process
 - i. Veterans Plaza: Rich Mueller shared that Veterans Plaza is currently in construction, and that the surface will be finished by Pumpkin Regatta but

- some areas will be fenced off. The landscaping and art installation will be completed after Regatta. Rich also described the experience of planning and designing the plaza with extensive community input, and Ross Hoover added context on how the community chose the theme of embracing everyone.
- ii. Robb Property Acquisition: Rich Mueller reported that Parks is currently in escrow for 3 acres next to the 3 purchased last year at Tualatin Community Park, and that the land will be designed for river access in spring of next year. Kira Hein will be leading this project, and it will involve heavy community engagement.
- iii. Nyberg Creek Trail: Rich Mueller reported that Nyberg Creek is in construction design, and that Kira Hein is leading the project. The design is currently at 30%, and expected to bid in May.
- iv. Athletic Fields: Ross Hoover shared that athletic fields will be the largest single investment within the bond, and described the process of meeting with representatives and scoring potential sites.

2. Committee Goals

- a. Beth Dittman pulled up the committee goals document and highlighted the completion of Q1-3 goals, then asked when the remaining goals can be best addressed. Ross Hoover gave an update on the street tree inventory and list that are in progress, which council will then adopt into code. Beth then requested that the naming process be put into the next agenda.
 - i. Rebecca Ryan asked about the new climate plan, and Ross shared the brief history of the initiative due to recent ice storms and droughts.

2. City Website Redesign

1 Beth Dittman shared the results of the website meeting she attended with Emma Gray, explaining that the meeting was meant to establish he general feel of Tualatin. Ross Hoover spoke on the aim of the new website to create a more user-friendly experience.

3. Utility Fee Projects

- 1 Project Status: Rich Mueller stated that the Highway 99 boat ramp and Ki-a-Kuts Bridge are complete. He also shared that Little Woodrose, Victoria Woods staircase, the Parks office ADA ramp, and the TCP shelter are all in design. He concluded by saying that the parks systems signs are currently being discussed.
- 2 Project Selection Process: Beth Dittman gave a quick explanation of the different parks funds, highlighting where the utility fee comes from. Rich Mueller explained the process for choosing future projects, and Ross Hoover pointed out that TPARK is an important part of it.

E. New Business

- 1. Pumpkin Regatta Paddler: Beth Dittman pointed out that a TPARK member is given a spot to paddle, and said she would ask Cosimah Slider. If Cosimah is not interested, Beth offered to paddle.
- 2. City Advisory Committees: Rich Mueller mentioned current work being done to review the structures of all city committees.

3. Updates

a. Programs: Ross Hoover spoke on the completion of summer camps with about

- 60 kids, reported that summer events went well, and mentioned the upcoming ribbon cutting for the plaza next May.
- b. Projects: Ross Hoover shared that the facility assessment is complete, and that the second phase will be to take the results to council. He also addressed the community need for a larger facility.
- c. Operations: Ross Hoover spoke on having a full parks maintenance staff, and mentioned that this is the first years parks maintenance staff members are attending ORPA.
- d. Volunteers: Rich Mueller shared about the Hug a Park event at Jurgens for the gravel path. Beth Dittman shared the Volgistics link and reminded members to log their hours.

F. Upcoming Dates & Calendar Review

Beth Dittman shared the calendar.

G. Committee Member Communications

Rebecca Ryan asked about qualitative data research being done into lunchtime concert attendance, and Ross Hoover replied that the department is not at that level yet but expressed a desire to move in that direction.

Michael Klein mentioned 2 new boat ramps being put in at Cook Park, as possible inspiration for Tualatin projects.

H. Adjournment

Beth Dittman adjourned the meeting at 7:14 pm.

PARKS & TRAILS BOND 样 🚳 👎 🔃 💸















BOND UPDATE - OCTOBER 14TH, 2024

















IMPROVEMENTS













CITY COUNCIL VISION & PRIORITIES ALIGNMENT

	TRAIL CONNECTIONS	PARK UPGRADES	NATURAL AREAS	NEW RIVER ACCESS	PLAY EQUIPMENT	ATHLETIC FIELDS
INCLUSIVE COMMUNITY	S	(+)	P		W .	
CONNECTED, INFORMED, & ENGAGED	1 1 1 1 1 1 1 1 1 1		P			
ECONOMY	S	(+)	Se la constant de la	3		
GATHERING PLACES		(
TRANSPORTATION SYSTEM	\$1	(D)				
NEIGHBORHOODS		(P			
ENVIRONMENT	S	(+)	September 1			







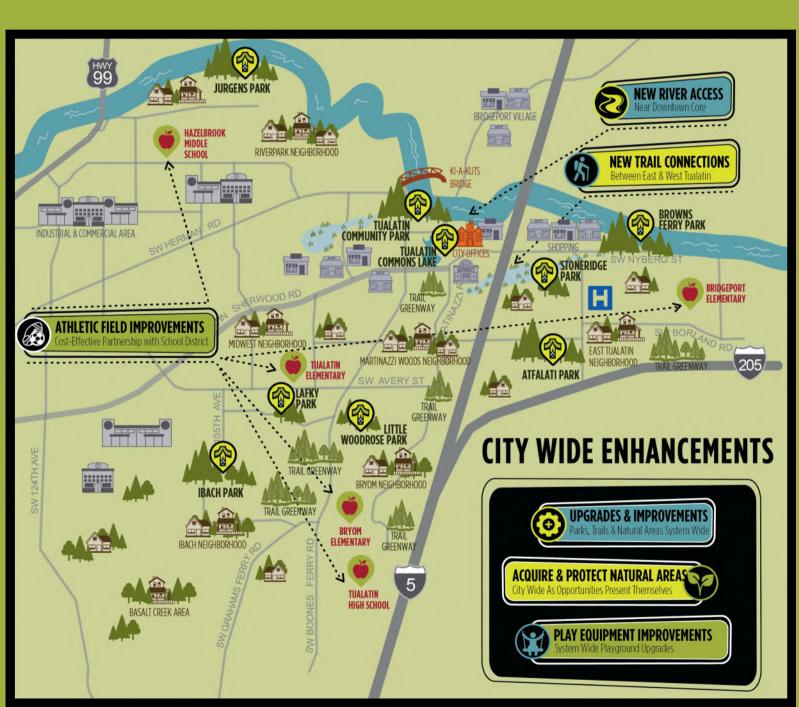






COMMUNICATIONS

- City Council Meetings
- TPARK Meetings
- Website Updates
- E-mail Blasts
- City E-Newsletters
- Social Media Posts



COMPLETED PROJECTS













- Tualatin River Greenway Trail Extension (under Hwy 99)
- Jurgens Park Playground







- Atfalati Park Picnic Shelter
- Atfalati Park Playground
- Ibach Park Playgrounds
- 17 Acres (3 properties) Acquired in Basalt Creek









• Acquired 6 Acres (2 properties) of Riverfront Property Adjacent to Tualatin Community Park

PROJECT OVERVIEW

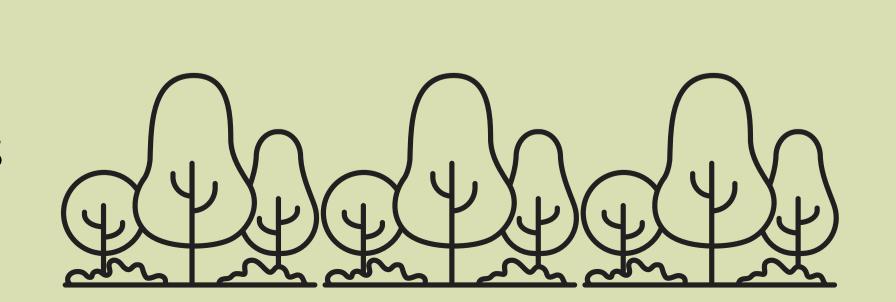


IN PROCESS

- Nyberg Creek Trail Connection
- Athletic Fields Improvements
- Tualatin Commons Veterans Plaza Upgrades

FUTURE

New River Access





TRAIL CONNECTIONS

















1/ イト 44 1/ ** 1× イト

Nyberg Creek Trail

NEW RIVER ACCESS















ATHLETIC FIELD IMPROVEMENTS















UPGRADES TO EXISTING PARKS 💥 🚳 💎 🤠 🤃



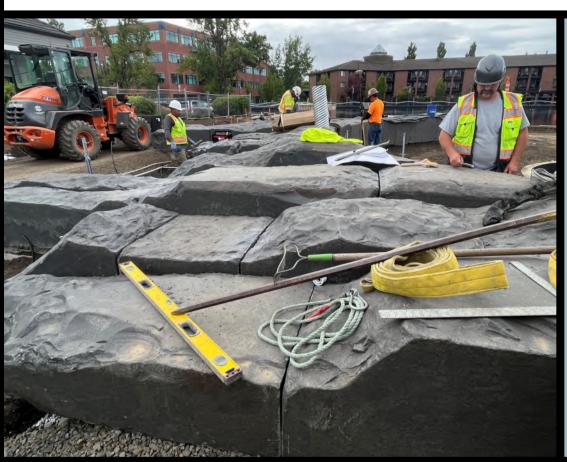




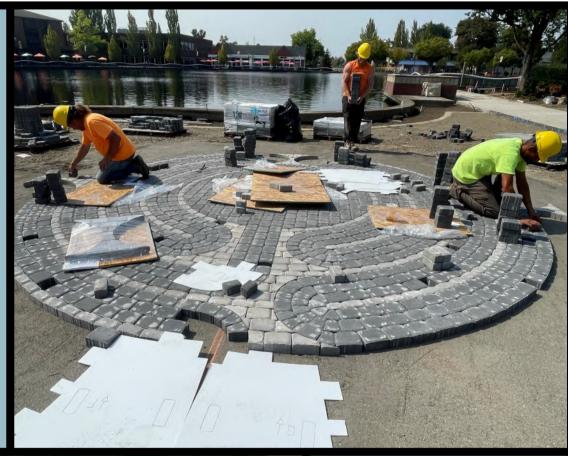


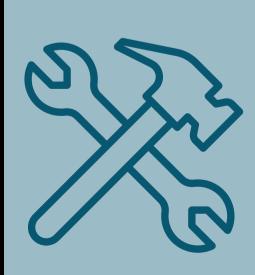




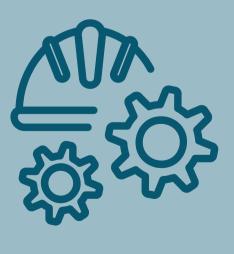












NATURAL AREAS ACQUIRE & PROTECT 🛱 🙈 👎 🤠 🤾 🐧

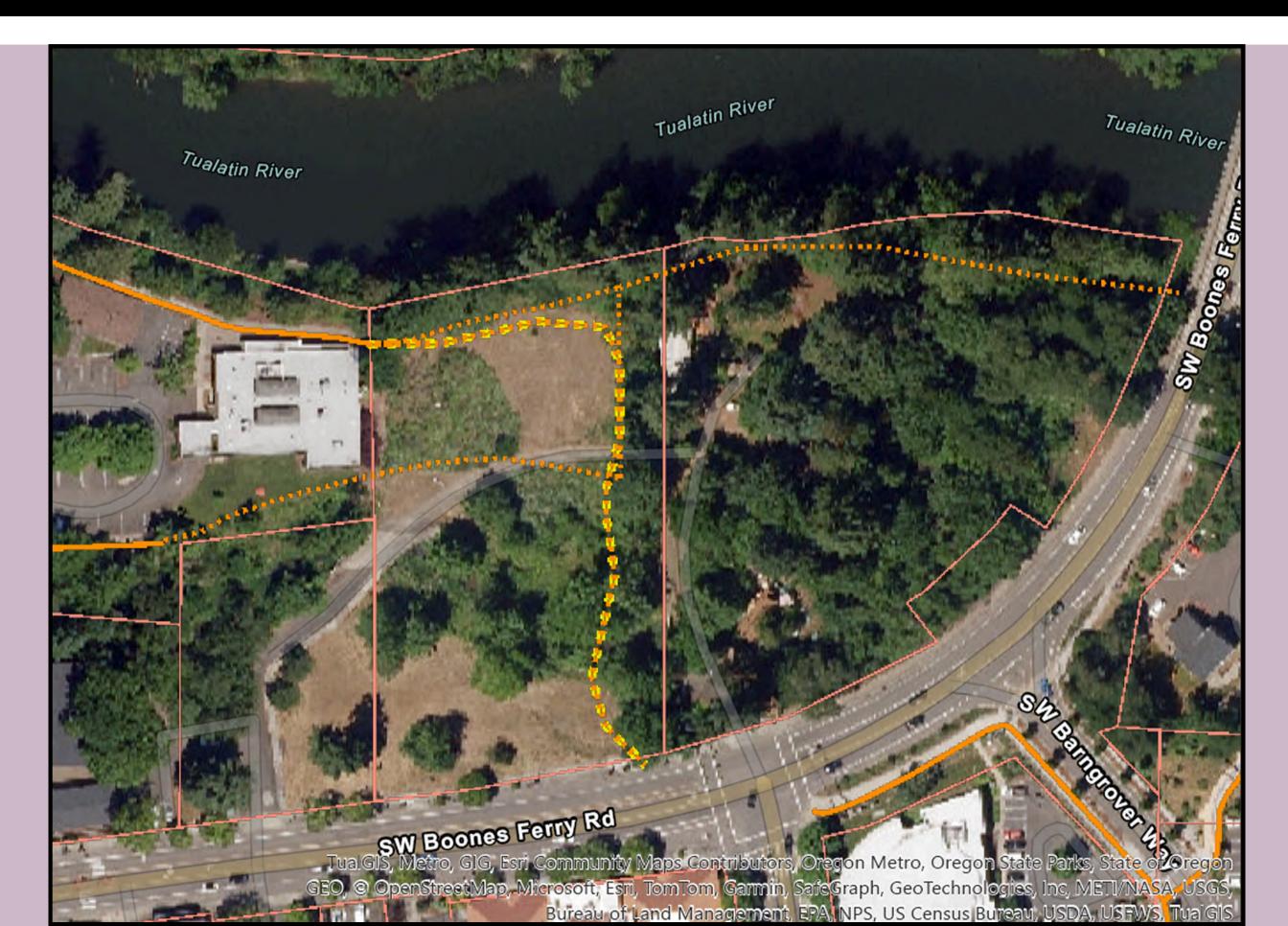












PLAY EQUIPMENT



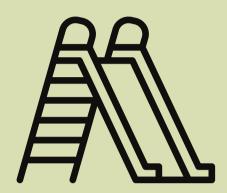












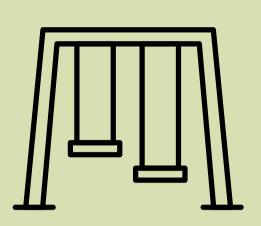
Atfalati Park





Jurgens Park





Ibach Park



GRANT FUNDED PROJECTS 💥 🙈 💎 🔁 💸



















UTILITY FEE PROJECTS



















- Ki-a-Kuts Bridge Rehabilitation
- Parks & Recreation Facility Assessment
- Tualatin Community Park Picnic Shelter Post Replacement
- Victoria Woods Trail Stair Replacement
- Little Woodrose Access & Trail Renovation

AMERICAN RESCUE PLAN ACT (ARPA) PROJECTS 💥 🙈 👎 🙋 🧪 🐧



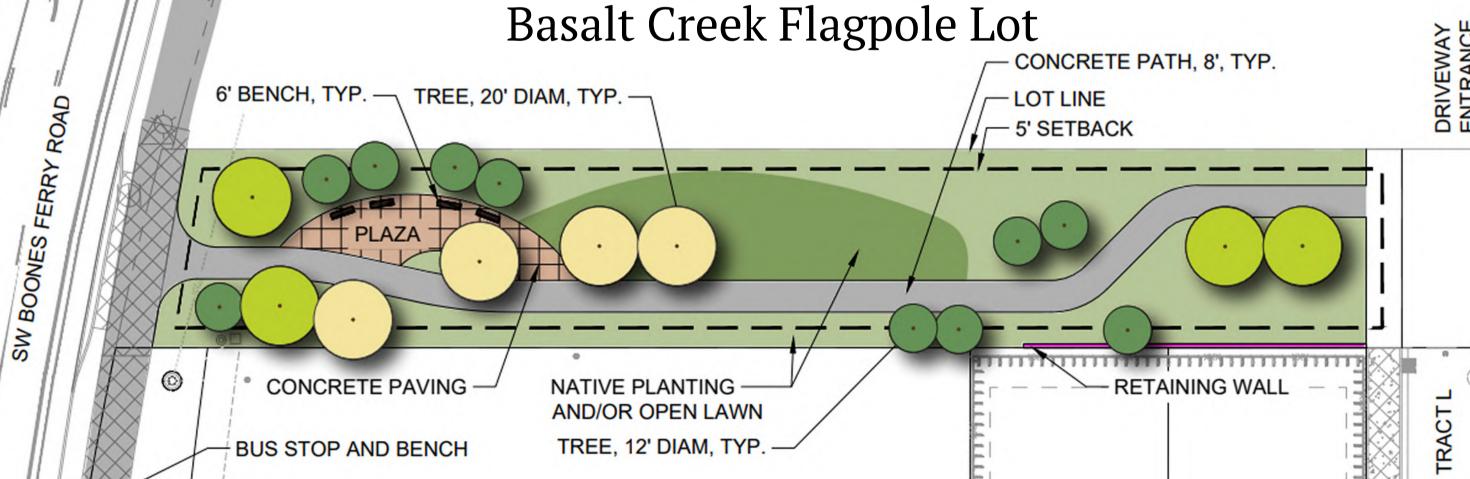


















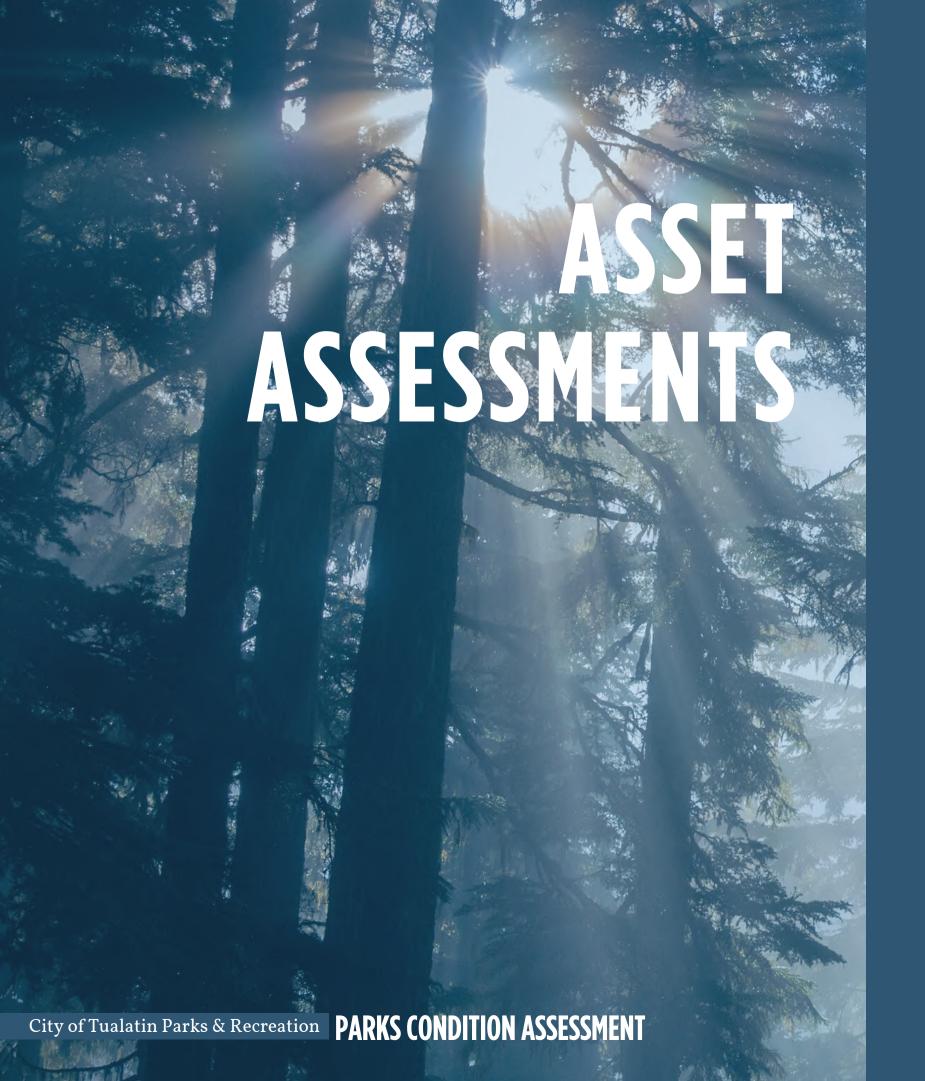












PURPOSE

To proactively manage parks assets utilizing data collection and tracking, to plan for and direct future investment decisions.

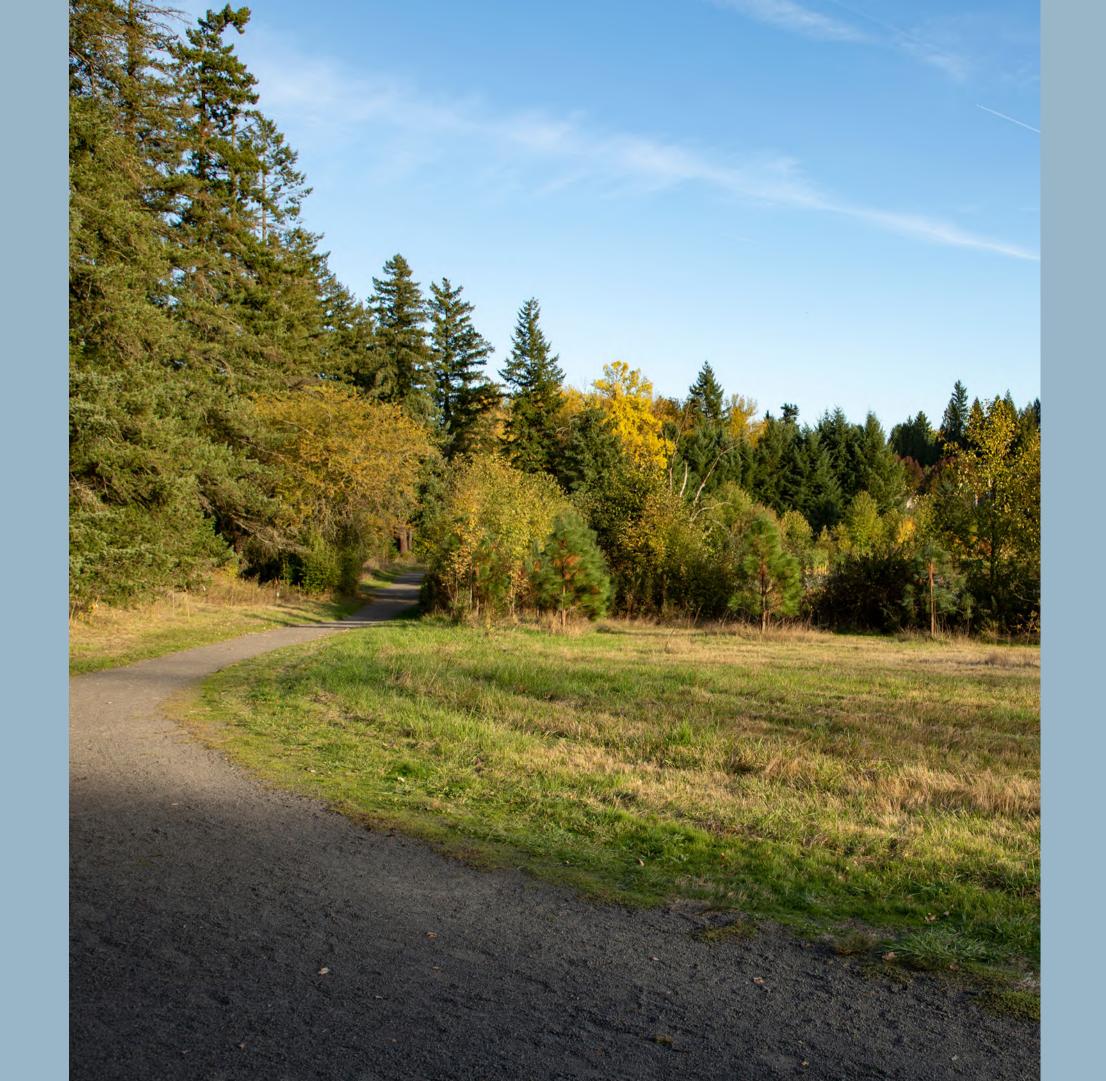
Park funding opportunities discussion to implement the master plan.

Council Advance deferred maintenance & system condition.

WHAT

INCLUDES:

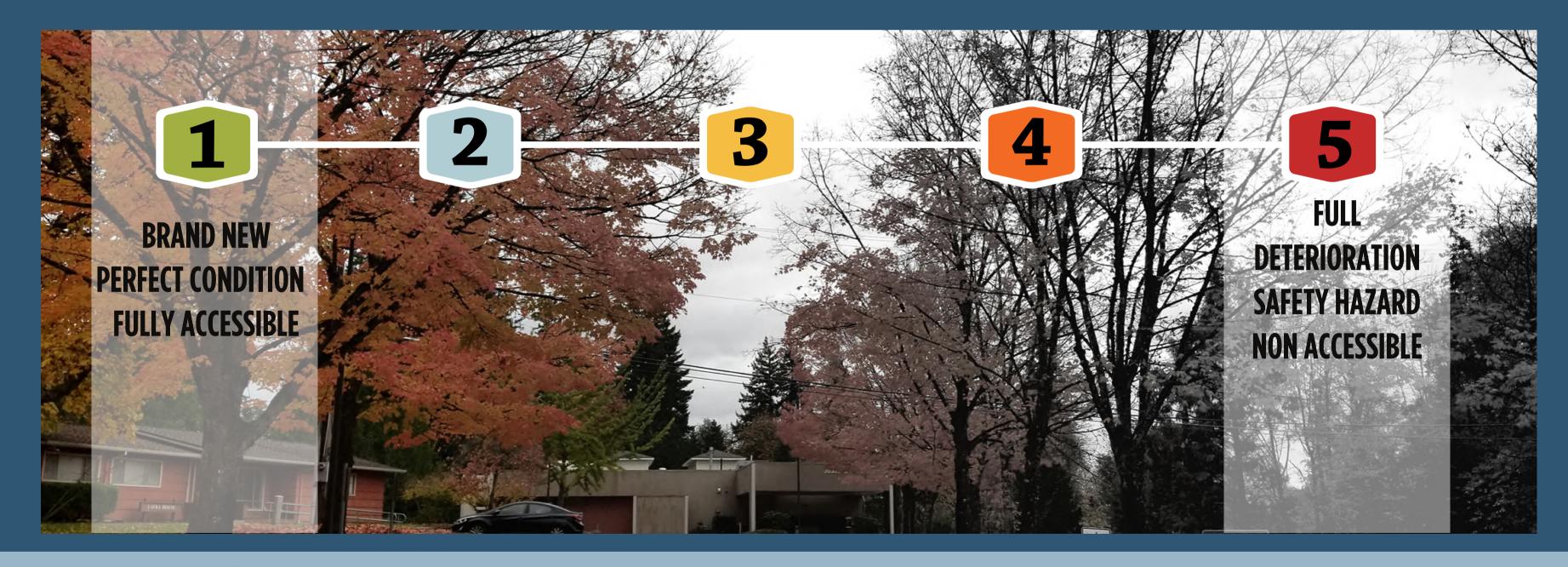
- Strategy & Planning
- Asset Decision Making
- Life Cycle Delivery
- Asset Information
- Organization & People
- Risk & Review



HOW

- Sustainable Service Levels
- Investment Decision Support

- Life Cycle Management
- Culture & Communications

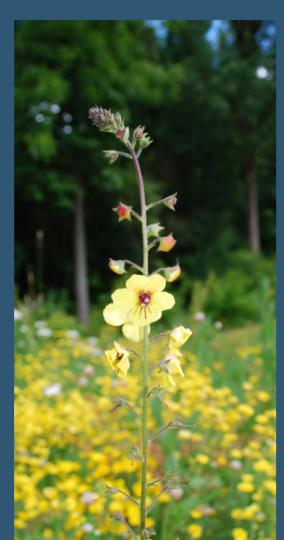


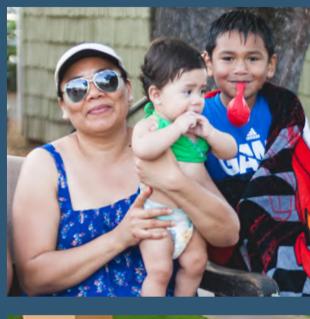
WHY

COUNCIL 2030 VISION

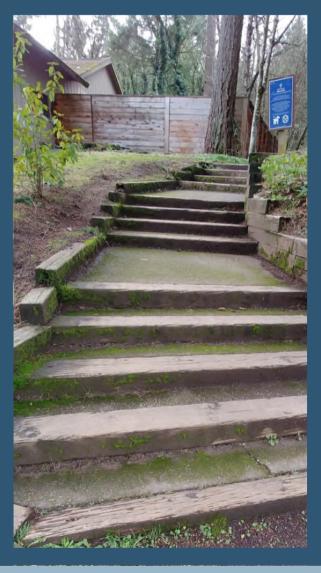
- Protect People & Environment
- Equity
- Accessibility

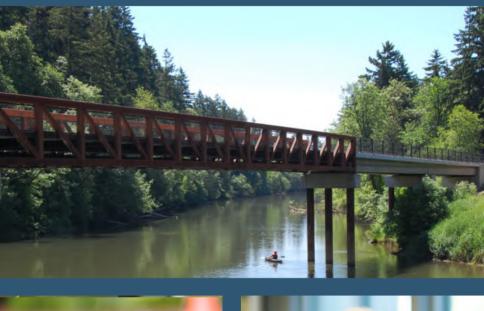
- Sustainability
- Level of Service
- Gathering Places











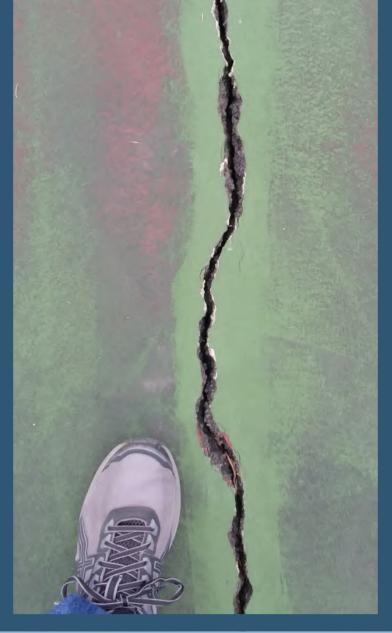






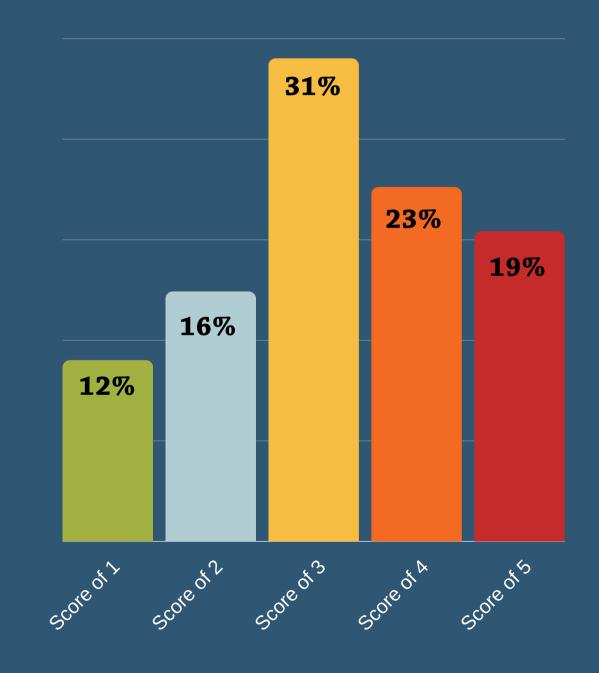






CONDITION OF PARK SYSTEM

739
ASSETS
ASSESSED



PARK SYSTEM ADA ASSESSMENT

26

parks, natural areas & greenways

(no buildings included)

\$2,543,925 est. total

1,068 projects

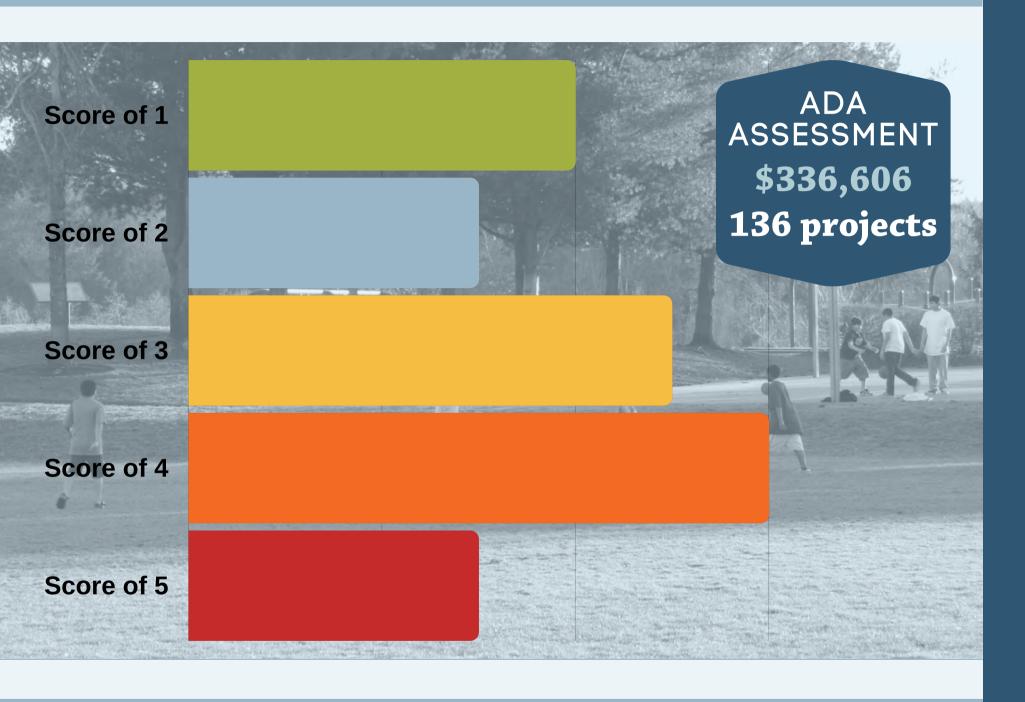
\$60 to \$105,400 per project







ATFALATI PARK













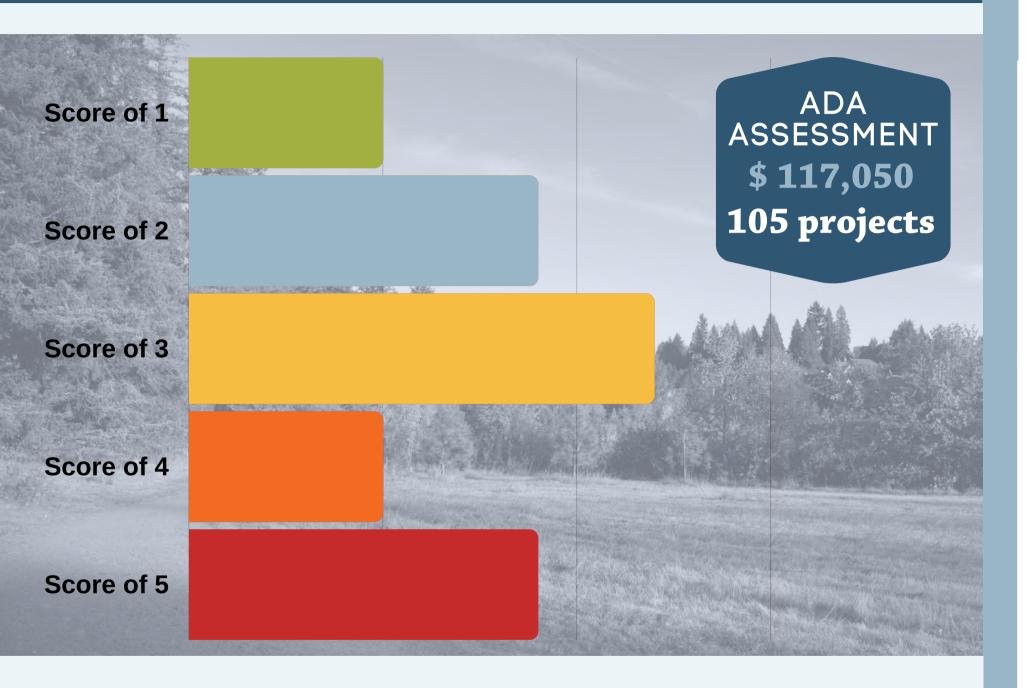








BROWN'S FERRY









BOARDWALK BRIDGE





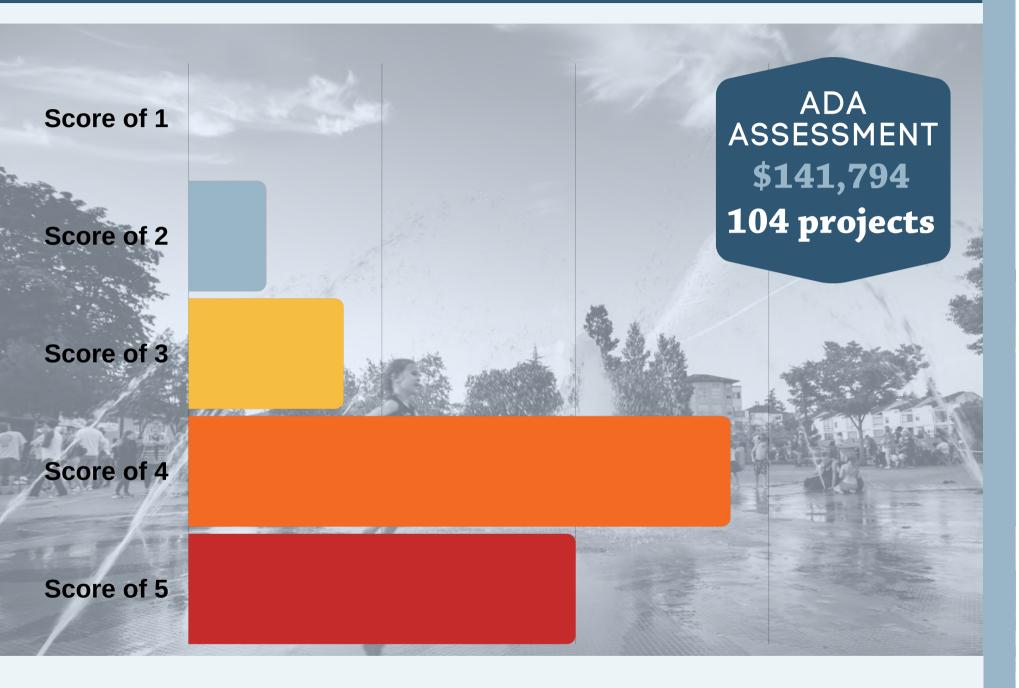








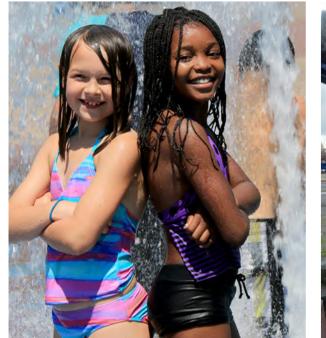
TUALATIN COMMONS















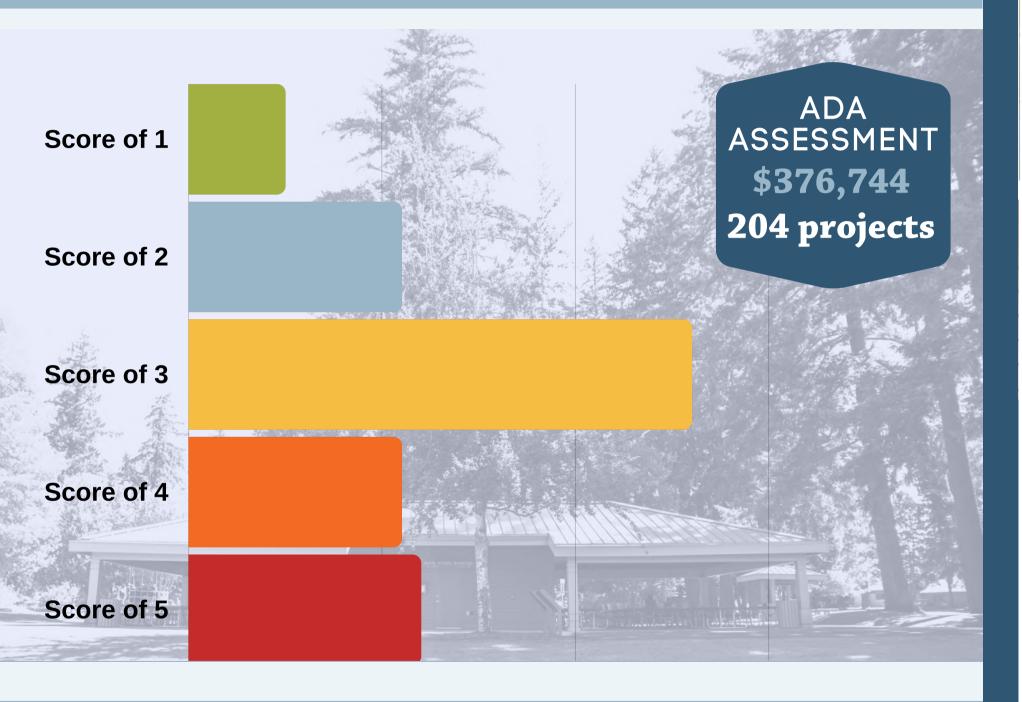








TUALATIN COMMUNITY PARK











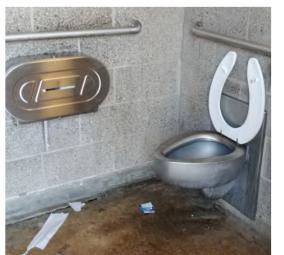




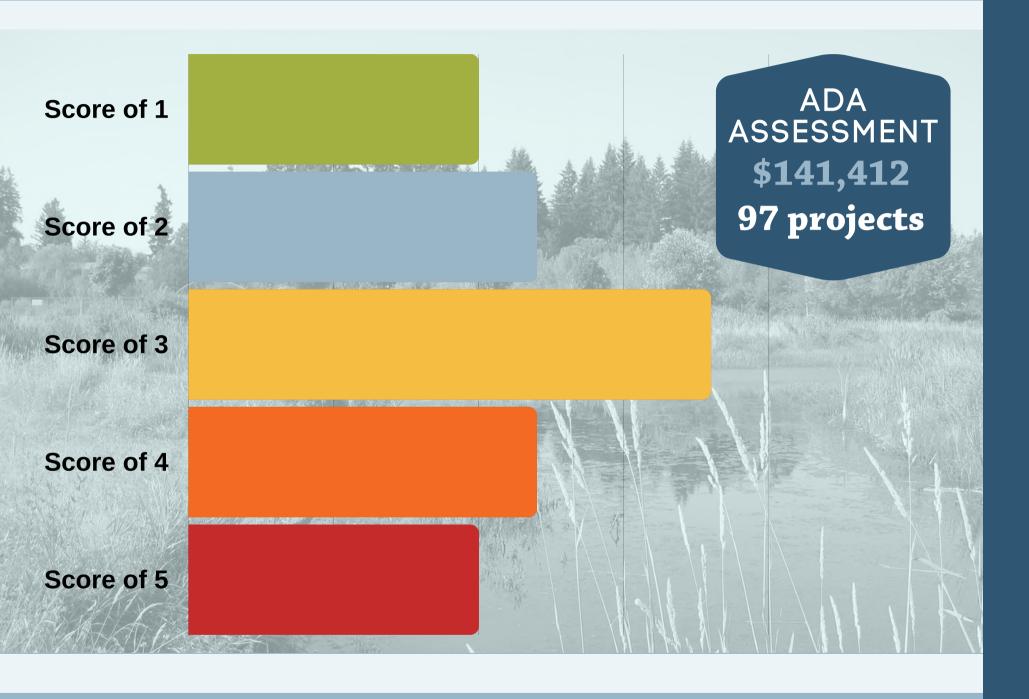








JURGENS PARK











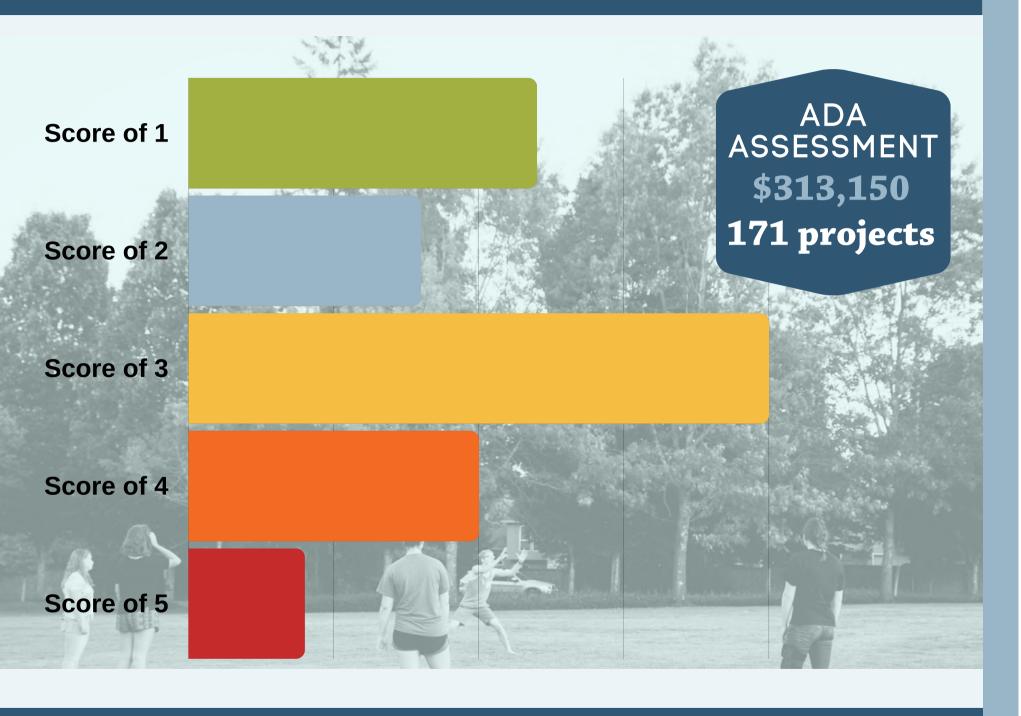








IBACH PARK



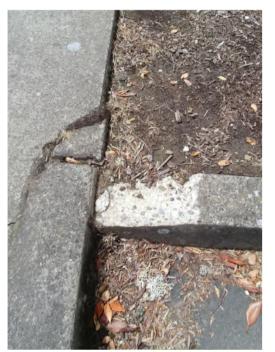








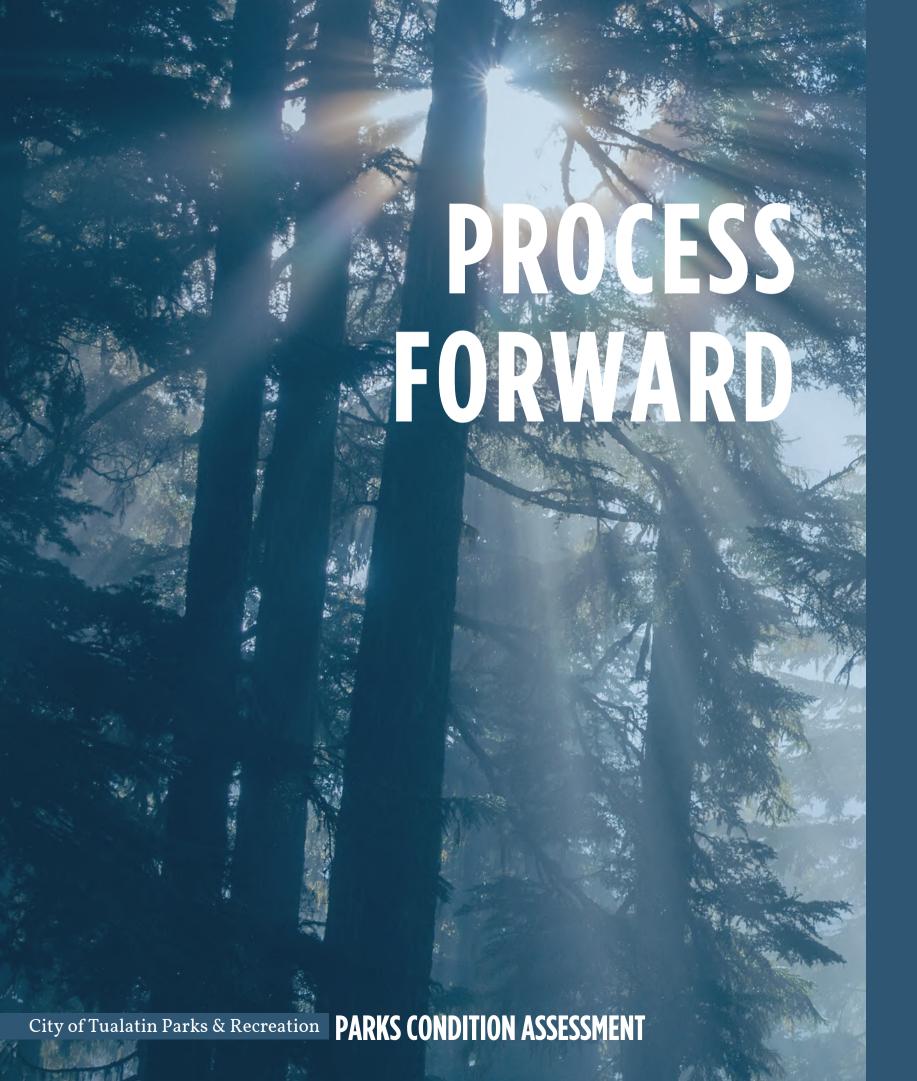












CONTINUE ASSESSMENTS

COST ESTIMATES

PRIORITIZATION

FUNDING



ASSET SEQU	JENCING CRITERIA	SCORE 1-4
System Balance	Increases equity, access, or geographic distribution of recreation opportunities (e.g., meets an unmet need, addresses a gap in services, serves an underserved group or area).	
Urgency/ Immediacy	Meets health and safety/regulatory elements; action must be taken now before the opportunity is lost; completion is needed before another priority project can be started.	
Ease of Implementation	Can be easily attained or accomplished; uses existing site; necessary planning, feasibility studies, and permitting have already been completed.	
Synergistic	Project provides opportunity to enhance other projects or to leverage other funds to complete.	
Environmental Sustainability	Project provides reduces impact or provides more efficient products or operations.	
Operational Sustainability	Increases sustainability, reduces costs, increases maintenance and operational efficiencies, and/or increases facility revenues.	
Scale of Benefit	Serves a greater number of people in a geographic area.	
TOTAL		

Asset Sequencing Criteria

System Balance

Increases **equity**, **distribution**, and **access**, of recreation opportunities (e.g., meets an unmet need, addresses a gap in services, serves an underserved group or area).

- 1 Minor enhancement anticipated on balance (park with multiple shelters)
- 2 Somewhat enhances balance
- 3 Moderately enhances balance
- 4 Significantly enhances balance (park underserved area with no shelter)

Urgency/Immediacy

Meets health, safety, regulatory elements; action must be taken now before the opportunity is lost; completion is needed before another priority project can be started.

- 1 Minor condition issues (slightly raised, chipped or cracked concrete on river trail)
- 2 Fair condition
- 3 Poor condition
- 4 Critical condition (asphalt trail surface at TCP)

Ease of Implementation

Can be easily attained or accomplished; uses existing site; necessary planning, feasibility studies, and permitting have already been completed.

- 1 Complex (lacks design & accurate budget)
- 2 Challenging
- 3 Moderate
- 4 Easy (has design & ready to proceed)

Synergistic

Project provides opportunity to enhance other projects or to leverage other funds to complete.

- 1 Low enhancement/leverage (lacks match funds, not connect to other opportunities)
- 2 Medium enhancement/leverage
- 3 Medium High enhancement/leverage
- 4 High enhancement/leverage (match fund opportunities, connects adjacent projects)

Environmental Sustainability

Project provides reduced impact on sustainability or provides more efficient products or operations.

- 1 Minor impact on sustainability (Benches, Trash Cans)
- 2 Somewhat impacts sustainability
- 3 Moderate impact on sustainability
- 4 Significantly impacts sustainability (LED sports field lights, smart irrigation system)

Operational Sustainability

Increases sustainability, reduces costs, increases maintenance and operational efficiencies, and/or increases facility revenues.

- 1 Minor operational impact (fence)
- 2 Somewhat operational impact
- 3 Moderate operational impact
- 4 Significantly impacts operations (splash pad ongoing maintenance)

Scale of Benefit

Serves a greater number of people in a geographic area.

- 1 Neighborhood or local benefit only (Saarnen Wayside, Lafky)
- 2 Multiple neighborhood benefits
- 3 Community benefit
- 4 Community/Regional wide benefit (Community Park, Commons)

Parks & Recreation Utility Fee - Prioritized Assets Condition 5

Location	Name	Location	Name	Location	Name
Ltl Woodrose	Benches	Lake	Concrete Surface & Trees	TCP	Main Shelter
Ltl Woodrose	Trail Surface	Lake	Brick Surface	TCP	Trail Surface
Atfalati	Sports Field (lower)	Lake	Drain Grates	TCP	Trestle Parking
Atfalati	Drain Behind Field	Lake	Ground Lights	TCP	Sport Field Drainage
Atfalati	Basketball Surface	Lake	Electrical System	TCP	Parking Areas
Atfalati	Restrooms	Lake	Irrigation System	TCP	Playground
Ibach	Restrooms	Lake	Landscape Beds	Jurgens	Pavement (Asphalt Trail)
Ibach	Bleachers	Lake	Turf Area	Jurgens	Parking Lot Surface
BFRY	Fishing Area	lbach	Parking Lot	Jurgens	Soccer Field
Lake	Lake Water Quality	Ibach	Drainage (Pathways)	BFRY	Community Center Parking Lot
Lake	Benches	Ltl Woodrose	Fences (perimeter)	BFRY	Parking Lot Irrigation & Landscaping
Lake	Concrete Planters/Trash Cans	Hedges Wetland	Boardwalk (behind Starbucks)	BFRY	Fence at entrance
TCP	Main Shelter Posts	TRGT	Boardwalk (behind Stonesthrow)	BFRY	Bridges
TCP	Playground & Surface	Commons Park	Bench & Pad	BFRY	River Overlook
TCP	Boat Ramp	Commons Park	Path Surface (Concrete)	Commons Park	Landscape
TCP	Boat Launch Parking & Drive	Commons Park	Bumper Curb (wood)	Jurgens	Fence (Swanson)
TCP	Ped Crossing at Boat Launch	Saum Creek	Stairways	Jurgens	Fence (Rife)
TCP	Irrigation	TRGT	Boat Ramp	Shaniko	Soft Surface Trail
TCP	Rustic Shelter			Indian Meadows	Trail Surface
TCP	Parking Lots & Paths (ADA)			Chieftain Dakota	Trail Surface
TCP	Trail Surface (Asphalt)			Sweek Pond	Fencing
TCP	Bike/Ped Xing @ Drive				
Saum Creek	Trail Surface				
					12/26/2023











ASSET CONDITION SCORING

ASSET SEQUENCING SCORING

STAFF PROPOSES

TPARK REVIEW & RECOMMENDATION

BUDJECT COMMITTEE REVIEW & RECOMMENDATION

System Balance

Urgency

Implementation

Synergistic

Sustainability

Scale of Benefit



CITY COUNCIL CONSIDERATION OF APPROVAL

Project Definitions & Examples

Planning

Definition

- Deciding in Advance
 - What to do
 - How to do it
 - Who should do it
- Bridges the gap from where the organization is to where they want to be
- Establishes goals and arranges them in logical order

Examples

- P&R Master Plan (system wide)
- Basalt Creek Plan (area specific)
- Las Casitas Park Redesign Plan & Veterans Plaza Plan (site specific)

Design

Definition

- Process to Create New Park Facility or Recreation Feature
- Usually Represented by Detailed Plans & Specifications
- Includes Professional Services such as Engineering, Architectural, Permitting, Environmental Assessments, Land Survey & Geotech

Examples

- Construction Documents & Design
 - Plan Sheets (blueprints)
 - Studies (environmental, geotech)
 - Permitting (requirements, applications)
 - Contract documents & requirements

Construction

Definition

- Implementation of Design
- Building the Park Facility or Recreation Feature

Examples

- New Picnic Shelter at Atfalati Park
- Replacement Playground Equipment at Ibach & Atfalati Parks
- Field Light Replacement at Tualatin Community Park
- Tualatin River Greenway Trail behind New Seasons, Cabela's and Best Buy



Hug A Park SawStop @ Tualatin Community Park September 11, 2024



SawStop sets Corporate Volunteer Record!

- Thank you to the 95 enthusiastic SawStop employees for their time, enthusiasm and muscle at Tualatin Community Park.
- 42 yards of mulch and bark dust were installed at the park entrance and restoration areas
- 27 yards of gravel was moved to rebuild 740 feet of trail—a new record!
- 3 golden chain trees were planted for stream shade and pavement cooling

Thank you Parks Maintenance Team for supporting and guiding this project!









Park Maintenance Team SawStop @ Tualatin Community Park September 11, 2024

Thank you Parks Maintenance Team for supporting and guiding this project! Here's a list of what this Team does to facilitate a 92 person volunteer event:

- 2 days of preparation including grading, base layer installment and material drop.
- Rental of 3 compactors
- Pick up of 12 borrowed wheelbarrows
- Material organization and loading—scree board, pipe, hoses, rakes, shovels, pitchforks, safety cones, barricades, signs and trees
- Trucks—8 different vehicles including 2 hook trucks, a tractor and the water truck









OCTOBER 2024						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	1	2	3	4	5
6	7	6:00 – TPARK Meeting	9	10	11	12
13	7:00 pm – City Council Meeting	15	16	17	18	12:00 – Pumpkins & Pints
10:00 – Pumpkin Regatta	21	22	23	24	25	26
27	7:00 pm – City Council Meeting	29	30	31	1	2

NOVEMBER 2024							
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
27	28	29	30	31	1	2	
3	4	5	6	7	8	9	
10	7:00 pm – City Council Meeting	6:00 – TPARK Meeting	13	14	15	16	
17	18	19	20	21	22	23	
24	7:00 pm – City Council Meeting	26	27	28	29	30	