

Bastrop County Parks and Open Space Master Plan Update

Second Public Meeting



**Bastrop County
Parks Advisory
Committee**



Presenters



Bastrop County

- **Julia Cleary**
- **Shawn Harris**
- **Brenda Retzlaff**



National Park Service

- **Josh Tuck**
- **Sydney Garcia**
- **Gibran Lule**

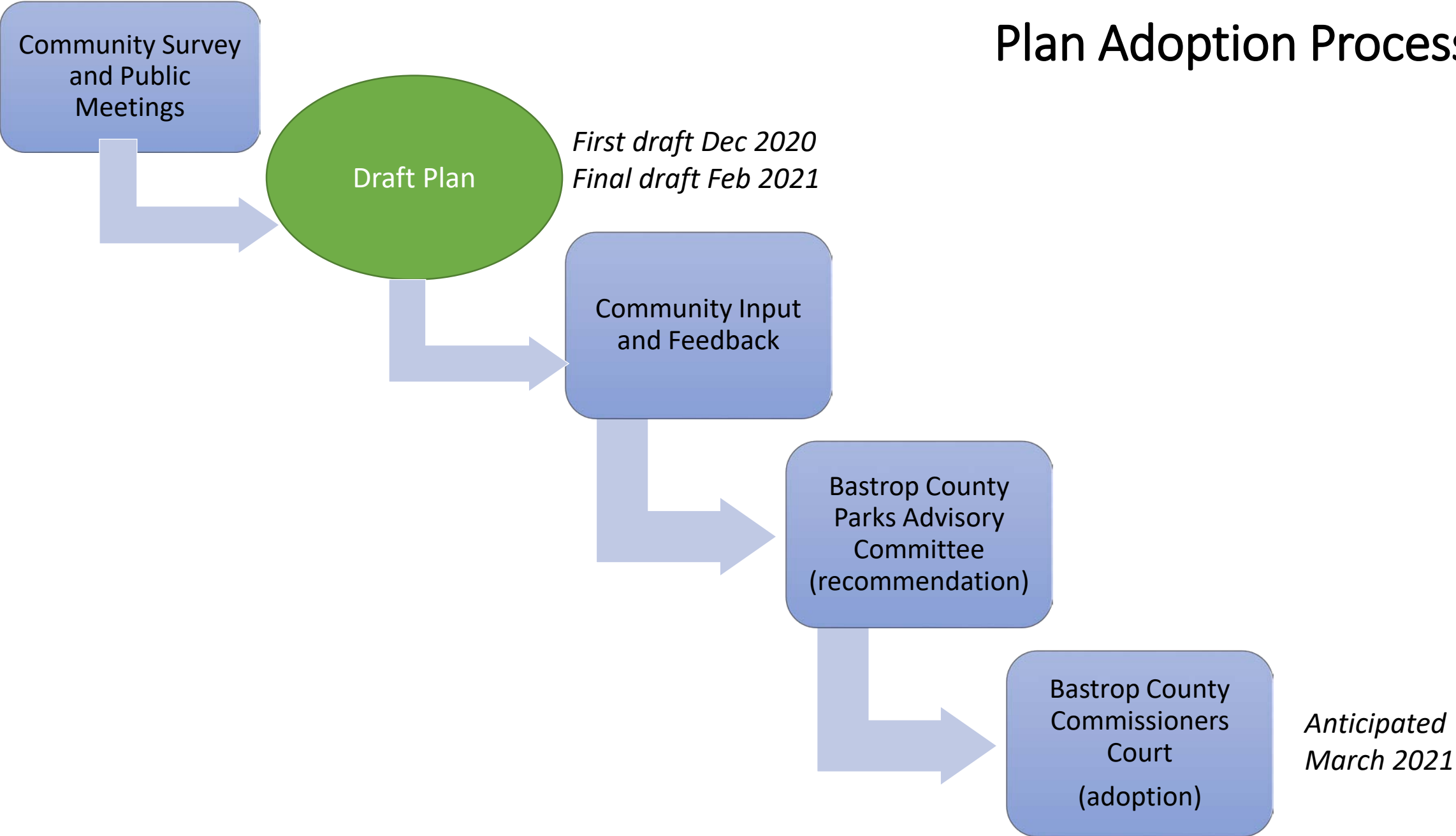
Today's Agenda

- Review Master Plan update process to date
- Review potential projects to be included in Master Plan update
- Gather feedback on park standards and metrics
- Potential applications of green infrastructure

What will the updated Parks and Open Space Master Plan include?

- Vision and identification of County role
- Goals and objectives
- Area and facility concepts and standards (pocket parks, district parks etc.)
- Inventory of Areas and Facilities
- Needs assessment and identification
- Plan Implementation/ Prioritization of Needs
 - Prioritized project list
 - Volunteer Programs and Programming
 - Parks Acceptance Policy

Plan Adoption Process



Potential Projects

Julia Cleary

County Planner



Bastrop County Parks and Open Space Master Plan *Proposed Park Projects*

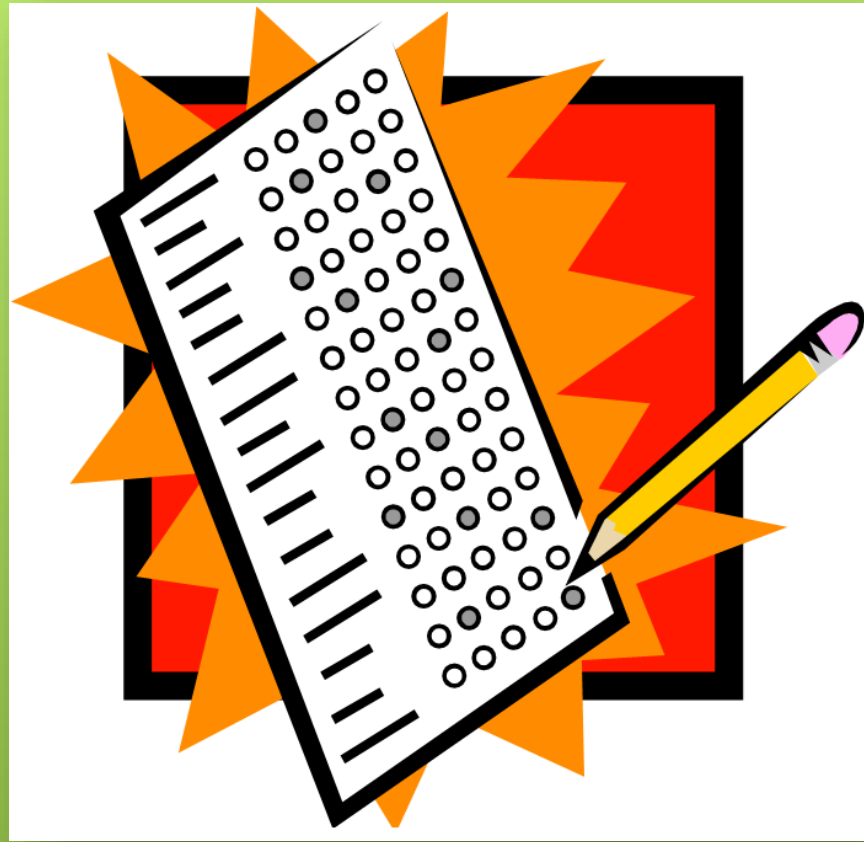
Public Meeting December 2020

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Where do the projects come from?

- Previous plans and third party studies
- Staff input and input from Bastrop County Parks Advisory Committee
- Bastrop County public outreach and surveys undertaken as part of this master planning process



Scoring Criteria developed in
consultation with the public

Number	Criteria	Total Points Available
1	Project provides an essential amenity in the park.	5
2	The project provides a new facility in an underserved area.	15
3	The project will actively support or restore sensitive ecosystems and incorporates elements that cultivate support for natural resources, including endangered species.	10
4	Project will promote active transportation by providing bike/ ped infrastructure linking parkland to nearby residential neighborhoods and/or other parks.	5
5	Project will improve public safety within the parks.	5
6	The project will be undertaken in partnership with another organization.	10
7	Project will have a positive impact on the floodplain	10
8	The project will promote broadband connectivity within the parks.	5
9	The project will promote Tourism within Bastrop County.	5
10	The project will enhance access to the Colorado River.	5
11	The project actively protects and increases awareness of existing cultural resources.	5
12	Project has a low ongoing maintenance requirement.	15
13	Project will improve the efficiency and sustainability of park operations.	5
14	Project is identified as a Top 10 need in the Bastrop County Parks Survey.	10
15	Project improves facilities already located within an existing park.	5
16	Project does not require additional utility hookups (with the exception of "essential amenities")	5
		120



Bastrop County Nature Park Proposed Projects

Draft Ranking	Project	Indicative Cost <i>(does not include contingency)</i>	Score
1	Installation of entrance signage (to include park rules, contact details and trail map developed in partnership with PPLT)	\$8,000	52
2	Installation of Information Kiosk w/ volunteering opportunities/community events as well as park rules, trail maps and contact details	\$16,630	52
3	Installation of ADA accessible, flood proof bathrooms	\$180,000	50
4	Trail upgrades and wayfinding signage within the park	\$10/ft for natural surface, \$8-12/sqft for concrete	47
5	Installation of solar powered automatic gate	\$20,000	42
6	Side path/ trail along Riverside Drive to connect into City of Bastrop's proposed Active Transportation Network		42
7	Installation of pavilion and outdoor classroom (upgrades)	\$35,000	37
8	Install additional benches	\$1000 each	37
9	Construct pavilion	\$34,000	32
10	Upgrades to existing boat ramp and installation of contextual signage	Signage - \$2000; Ramp upgrades: varies	32
11	Water fountains (2no)	\$10,000	27
12	Install Solar Power Trash Cans	\$35,000	25



Stony Point Park Proposed Projects

Draft Rank	Project	Indicative Cost <i>(does not include contingency)</i>	Score
1	Construct basketball court/ shade structure	Court: \$60,000, shade: \$30,000	45
2	Install shade structure over existing playground	\$20,000	42
3	Tree sculpture/ art project	Varies	37
4	Construct ADA accessible circular trail around park (including 2 footbridges)	Stabilized DG trail: \$7.50/sqft; Concrete: \$12/sqft	37
5	Construct 200 meter running track around soccer field with retaining wall	Track: \$40,000 for stabilized DG, \$18,000 for DG; Concrete edge: \$25,000; Retaining wall: Varies	37
6	Construct bio swale with retrogrades within existing drainage channel	\$10,000	37
7	Construct pavilion	\$35,000	32
8	Installation of bike racks (5 no)	\$1,800	32
9	Installation of ADA accessible bathrooms	\$180,000	30
10	Expand existing community garden	\$5,000	30
11	Install dog proof fencing around park perimeter	\$39,000 (1,950 ft at \$20/ft)	30
12	Installation of additional seating and picnic tables	Benches: \$1000 each	27
13	Installation of telecommunications infrastructure to enable public wifi connectivity in the park	\$2,000	27
14	Install four square court	\$5000 (concrete pad)	27
15	Upgrades to existing picnic area	Varies	27
16	Install splash pad	\$80,000	25
17	Construct new covered picnic area and adjacent visiting food truck spot	\$50,000	25
18	Install tetherball	\$1,000	20
19	Install outdoor exercise equipment	\$30,000	20
20	Upgrades to soccer field including new posts/ netting and installation of benches	Posts: \$6,000; Bleachers: \$10,000	17



Cedar Creek Park Proposed Projects

Draft Ranking	Project	Indicative Cost <i>(does not include contingency)</i>	Score
1	Installation of event pavilion	\$124,000	42
2	Install bike racks (3no)	\$1,000	40
3	Trail improvements and wayfinding signage (various)	\$10/ft for natural surface, \$8-12/sqft for concrete	32
4	Installation of additional picnic tables	\$1300 each	32
5	Installation of additional benches	\$1000 each	32
6	Upgrades to entrance with Landscaping and Signage	Signage - \$1,500; Landscaping: varies	32
7	<i>Install ADA accessible sidewalks/ hike and bike trail along FM 535 from Creekview Drive and Bastrop County Precinct 3 office at Jenkins Road, and along SH 21 from Watts Ln to Bastrop Memorial Stadium/ McDonald Lane W/Martin Crossing Drive (feasibility study only - needs concurrence w/ TxDOT)</i>		30
8	Installation of telecommunications infrastructure to enable public Wi-Fi connectivity in the park	\$2,000	27
9	Upgrades to sports courts including installation of energy efficient/ drip irrigation system.	\$8,000 per field	27
10	Establish/ construct and maintain a community garden	\$10,000	25
11	Install splash pad	\$80,000	25
12	Swimming pool (<i>management partnership would be required for ongoing maintenance</i>)	\$2,000,000	25
13	Dog Park	\$15,000	20
14	Additional soccer field and goal posts	\$15,000	17
15	Upgrades to Sports Courts	Varies	17
16	Upgrades to play equipment	Varies	17
17	Upgrades to baseball fields	Varies	17



Questions?



Park Standards

Sydney Garcia

NPS Rivers, Trails and Conservation Assistance

“Traditional Standards”

10 acre per 1,000 population
park standard

10-minute walk to park
standard

Other Standards to Consider

- Engage:
 - Community perception of park and government
 - History and extent of engagement
 - Effectiveness of engagement
- Connect:
 - Accessibility- ADA, infrastructure, parking
 - Integration- other amenities nearby
 - Safety- traffic collisions and injuries



Other Standards to Consider:

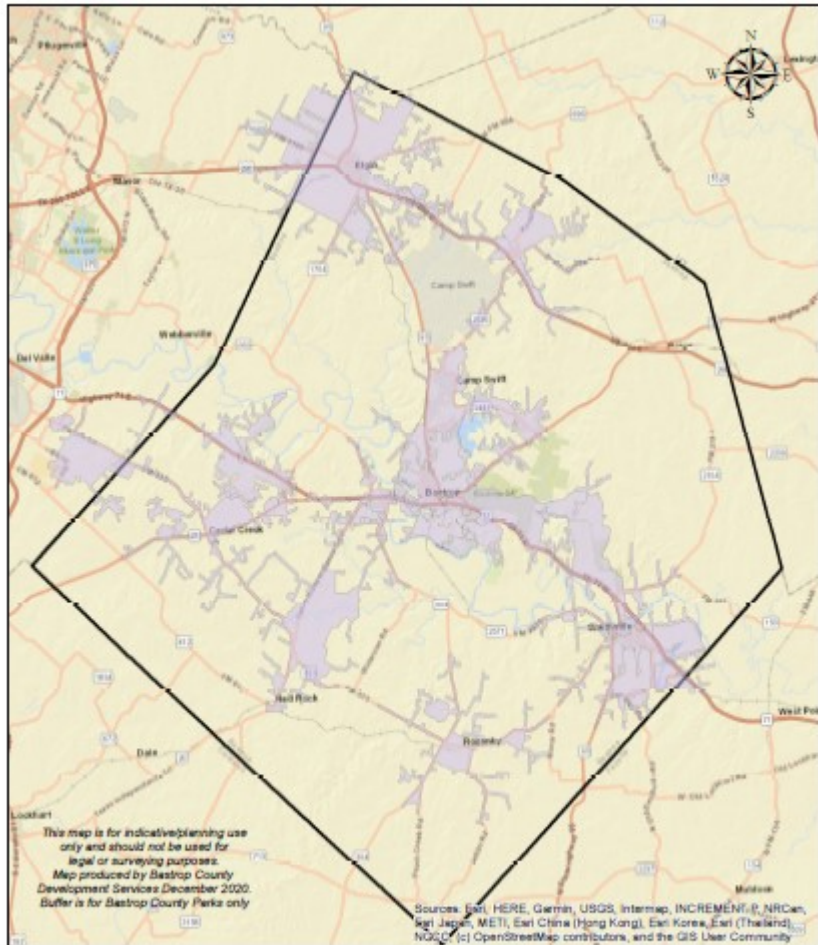
- **Locate:**
 - Distance- residents, park per pop
 - Potential to increase space
- **Activate:**
 - Satisfaction
 - Activity levels-demographics, uses
 - Inclusiveness-communication materials, reservations, rules
- **Grow:**
 - Stewardship-environmental, sustainable design
 - Outreach- gardens, education programs, clean ups, farmers' market etc.
 - Environmental conditions: air quality

Other Standards to Consider:

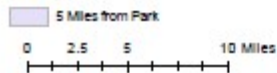
- **Protect:**
 - Safety- equipment, crime, injuries, design
 - Conditions- alcohol, maintenance, budget, staff, feel safe
- **Fund:**
 - Spending- percentage of annual budget and per capita
 - Operational support- diverse funding sources, percentage allocated



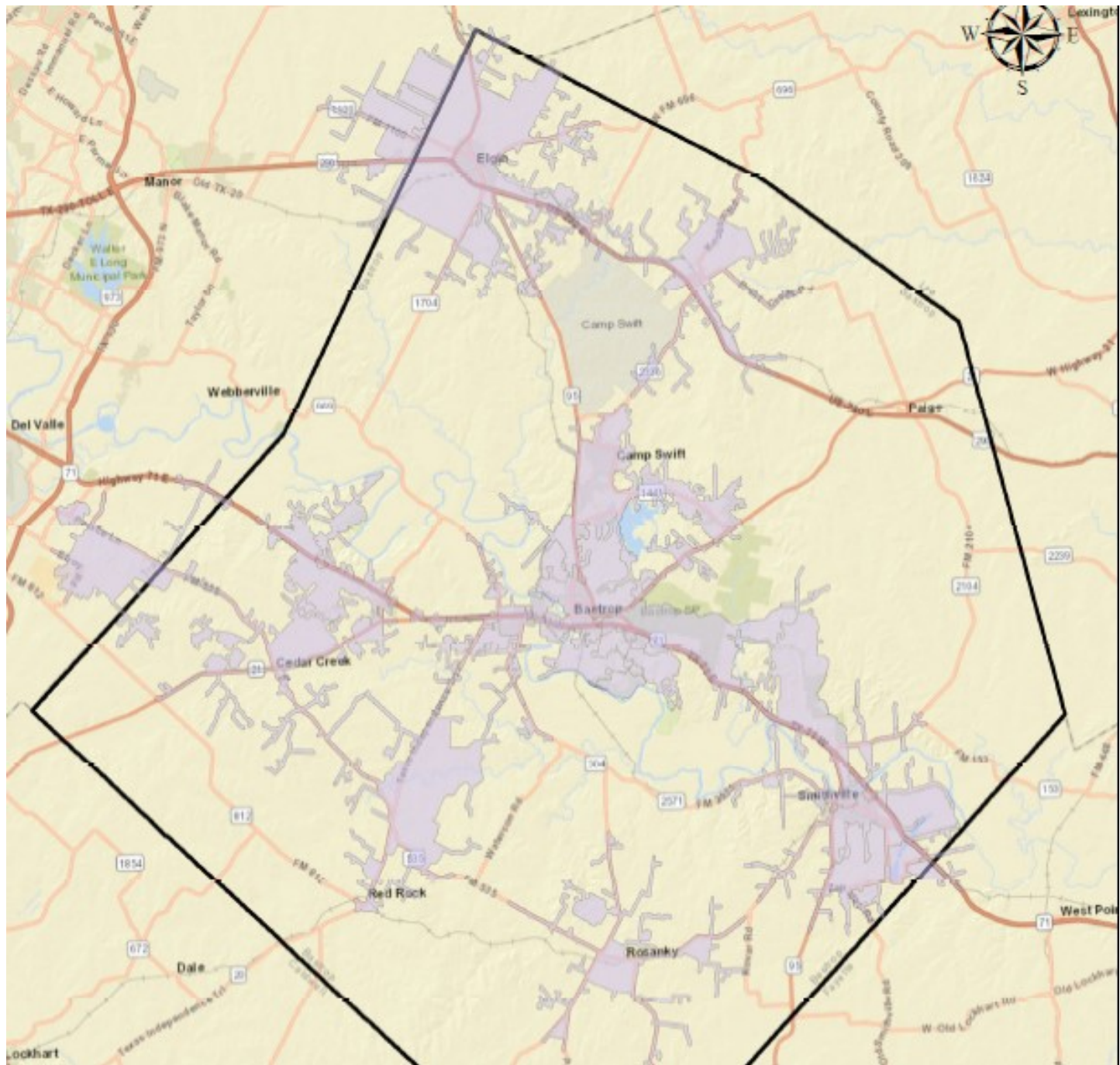
Parks in Bastrop County - 5 Mile Driving Distance



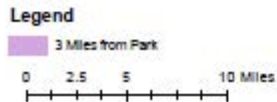
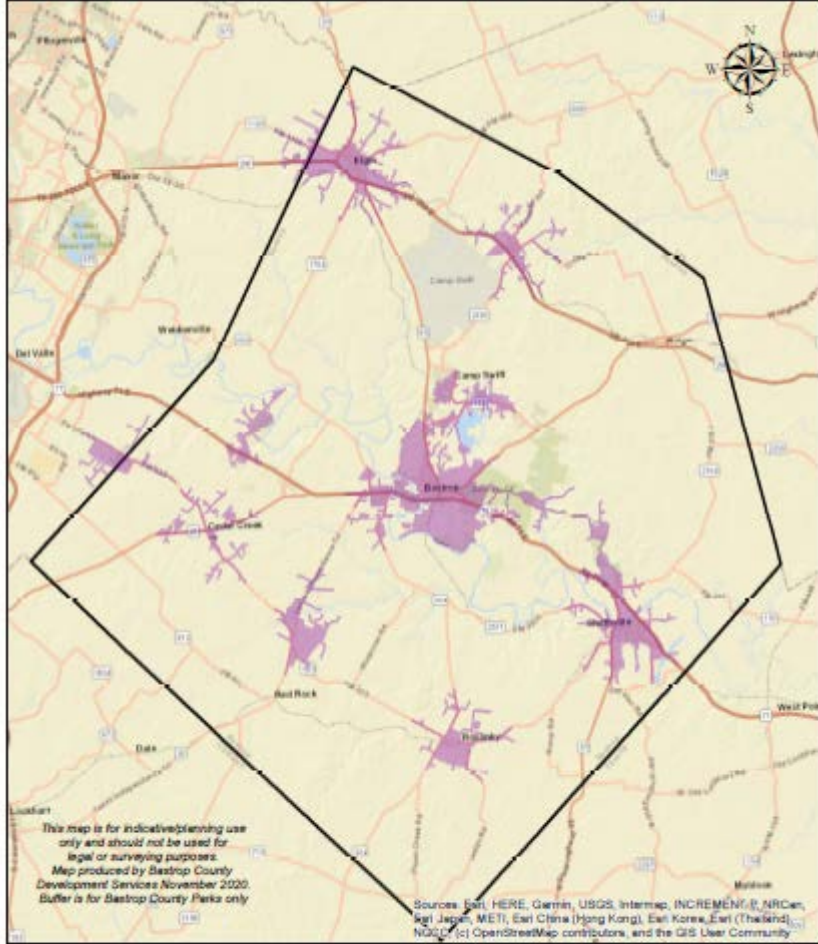
Legend



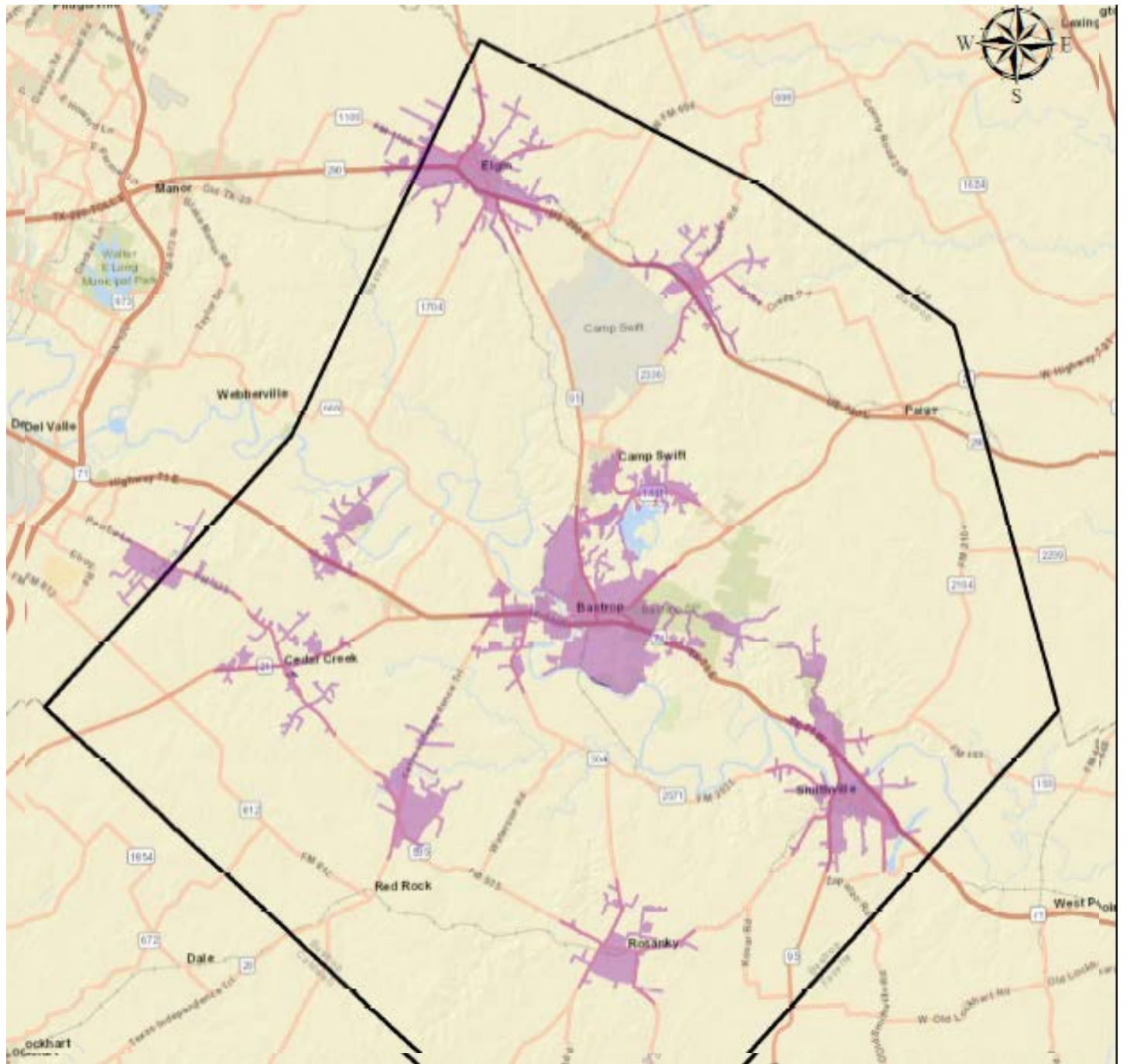
Bastrop County Parks and Open Space Master Plan




Parks in Bastrop County - 3 Mile Driving Distance



Bastrop County Parks and Open Space Master Plan





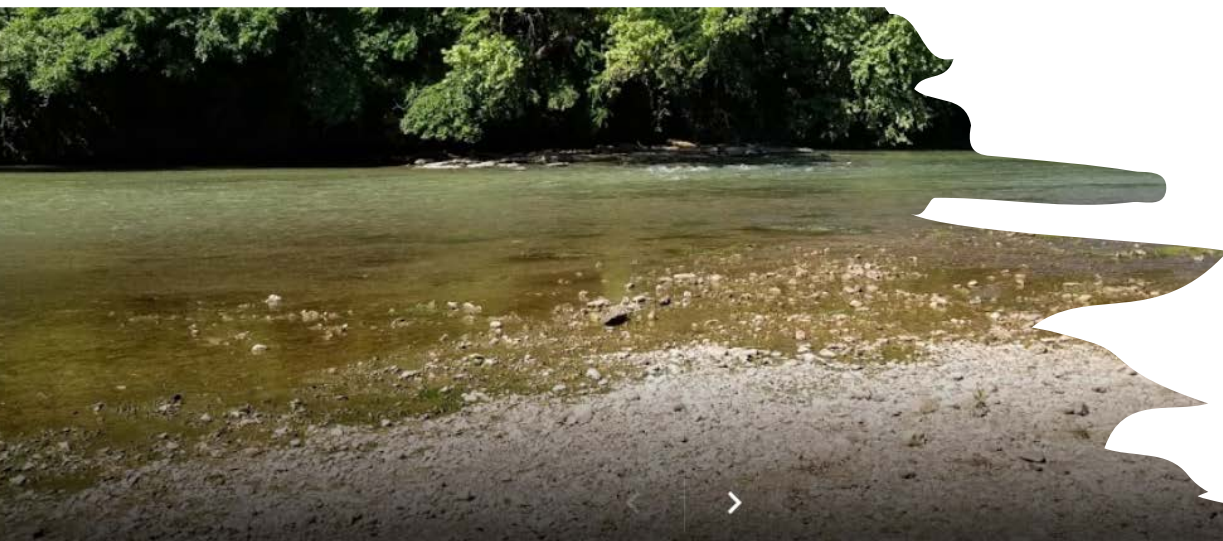
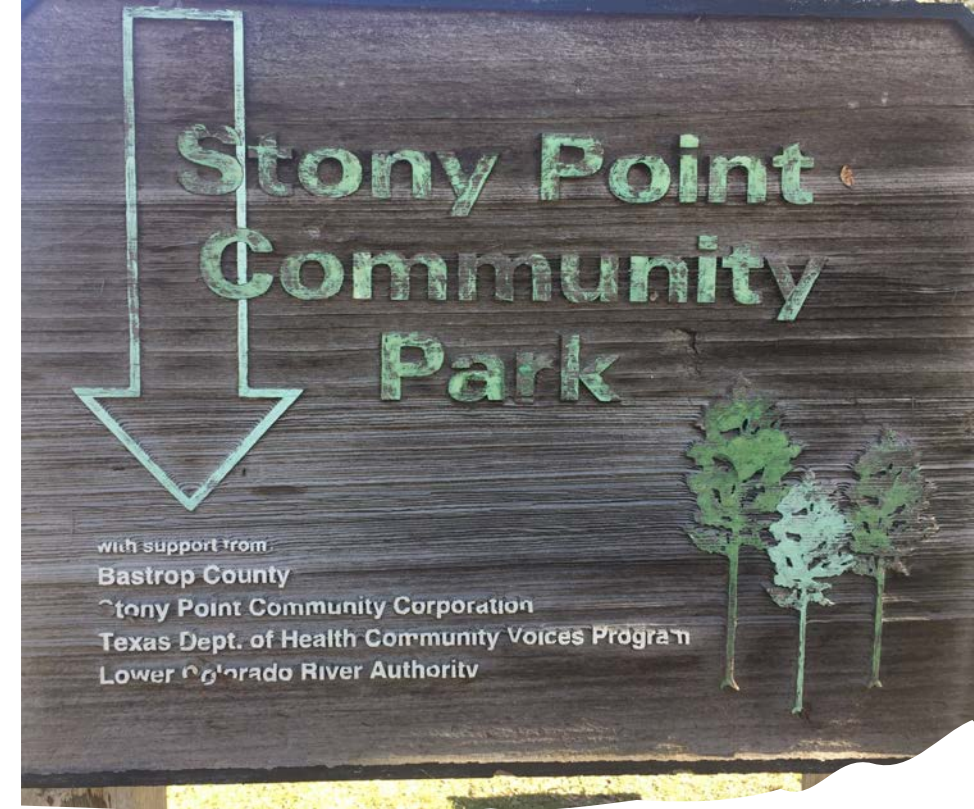
Share your thoughts

***Which of the “alternative standards” do
you think would be most relevant in
Bastrop Co?***

Green Infrastructure

Josh Tuck

NPS Rivers, Trails and Conservation Assistance



Bastrop County Parks

- Cedar Creek Park
- Stony Point Community Park
- Bastrop Nature Park



Green Infrastructure Exploration

SUSTAINABLE & RESILIENT
INFRASTRUCTURE

Defining Green Infrastructure

- Man made modifications to a natural occurrence that invokes the use of native or natural ways to provide for improved conditions by safety through redirection, decreased pollution, protection of nature, conservation, and increased vegetation enhancement.
- The lack and restriction of man-made modification to provide natural benefits to generally over industrialized areas. This definition might include keeping properties as parks or natural so that regular ecological processes can continue to occur without interruption
- Although G.I. generally involves stormwater other erosive qualities are also included in its theme of applications.
- The goal of G.I.: Keeping natural processes operating in ways that are both beneficial to nature and safe to man or redirecting the inference of mankind from nature



Rainwater collected in planter box then
channeled into rain garden
**Rainwater in painter box then
Channeled to rain garden**



Irrigation by disconnected downspout
Denver, CO



Green Roofs/Walls
Salt Lake City, UT



Vegetative swale



Pervious pavement



Retention Pond



Basin



Planter

OTHER EXAMPLES:

<https://www.spur.org/news/2013-08-08/8-shades-green-infrastructure>



Grass



Rain Garden



Tree Trench
and Pervious Pavers



Swale



Wetland





Stony Point

Premier recommendation: Bioswale
along drainage channel

- WHAT OTHER ENHANCEMENTS CAN SAFEGUARD THIS SITE FROM EROSION?
- Cost Analysis for controlled drainage with rain garden/bioswale?
-\$10,000-20,000
Reference: ASLA.org

Cedar Creek Park: What additions can beautify this park while protecting it?

Premier Recommendation: Fishing
Pond that can serve as Retention
Pond with diversion drainage to creek

Cost: Variable

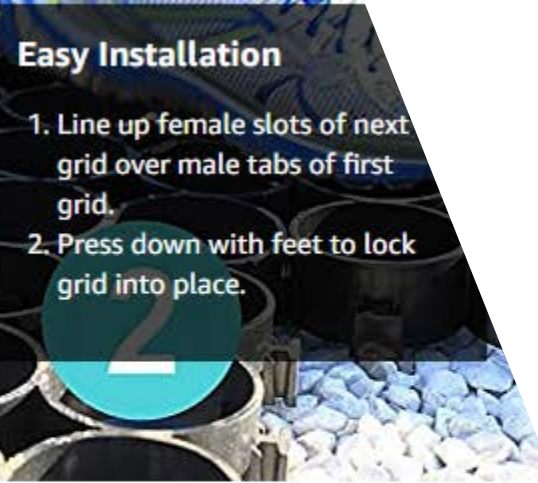




Bastrop Nature Park:
How can the river/nature be in balance with human use?
How can Permeable Pavers improve public parks?

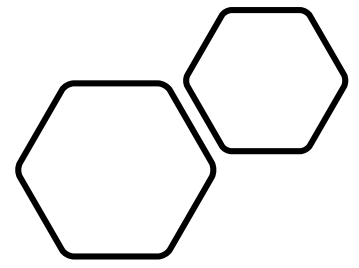
PREMIER RECOMMENDATION: Permeable Paving to prevent flooding at dam diversion outlet site

COST ANALYSIS using TRUEGRID---Area: \$140 per 40 sq ft.



Easy Installation

1. Line up female slots of next grid over male tabs of first grid.
2. Press down with feet to lock grid into place.



Fill with Grass or Gravel

100% Permeable surface helps reduce flooding. No more mud puddles or ruts. Works in all climates and soils.



Maintenance Free