



CITY OF CHICO
BIDWELL PARK AND PLAYGROUND COMMISSION (BPPC)

Regular Meeting Agenda

July 27, 2015, 6:30 pm

Municipal Center - 421 Main Street, Council Chamber

Materials related to an item on this Agenda are available for public inspection in the Park Division Office at 411 Main Street during normal business hours or online at <http://www.chico.ca.us/>.

1. REGULAR COMMISSION MEETING

1.1. Call to Order

1.2. Roll Call

2. CONSENT AGENDA

All matters listed under the Consent Agenda are to be considered routine and enacted by one motion.

2.1. Approval of Meeting Minutes

Action: Minutes of BPPC held on 06/29/15 to be submitted at the 8/31/15 BPPC meeting.

ITEMS REMOVED FROM CONSENT – if any

3. **NOTICED PUBLIC HEARINGS** - None

4. REGULAR AGENDA

4.1. Trail Run, 10/11/15

Applicant (Chico Running Club) requests permit for a trail run from Hooker Oak to the end of Upper Park Road and returning on the Yahi Trail. This is the 9th year of the event. Requires BPPC consideration as it requests use of a non-intensive use area. **Recommendation:** Conditional approval of permit.

4.2. BPPC Permit for Tree Removal Permit (2401 Huntington Dr)

On May 6, 2015, Staff received an application to remove a City of Chico street tree (a10" DBH Bradford Pear.) The landowner sites the tree has fire blight and the roots are under and lifting the sidewalk. Staff rejected the application, as the tree is not dead, dying, diseased or dangerous and noted the tree is recovering from the fire blight at this time. The Chico Municipal Code (CMC 14.40.180) allows for the applicant to seek BPPC approval to remove the tree at the convenience of the property owner.

Recommendation: *If the BPPC upholds the appeal, staff recommends that the removal and replanting with 2 trees planted within a year occur at the landowner expense.*

4.3. Review of One Mile Concession Stand Operation and Contract

As per recent Council direction, Council must approve all agreements greater than 5 years. Staff and operator will provide an update of the One Mile Concession Stand (Operator: the Dog House).

Recommendation: *review of operations and provide a recommendation for Council on the extension of the current contract.*

4.4. Review of Middle Trail Grant – Phase II Proposal

Staff will present a proposal for a grant to the Recreational Trails Program (RTP) to fund Phase II of the Middle Trail Rehabilitation Project. **Recommendation:** *Approve the proposal concept and recommend Council approval of a resolution supporting the proposal.*

5. BUSINESS FROM THE FLOOR

Members of the public may address the Commission at this time on any matter not already listed on the agenda; comments are limited to three minutes. The Commission cannot take any action at this meeting on requests made under this section of the agenda.

6. REPORTS

Items provided for the Commission's information and discussion. No action can be taken on any of the items unless the Commission agrees to include them to a subsequent posted agenda.

6.1. Parks and Street Trees Division Report - Dan Efseaff, Park and Natural Resource Manager.

7. ADJOURNMENT

Adjourn to the next regular meeting on August 31, 2015 at 6:30 p.m. in the Council Chamber of the Chico Municipal Center building (421 Main Street, Chico, California).



Please contact the Park Division Office at (530) 896-7800 if you require an agenda in an alternative format or if you need to request a disability-related modification or accommodation. This request should be received at least three working days prior to the meeting.



BPPC Staff Report

Meeting Date July 27, 2015

DATE: 7/18/15

TO: Bidwell Park & Playground Commission (BPPC)

FROM: Theresa Rodriguez, Administrative Assistant

SUBJECT: Chico Running Club – Trail Run, October 11, 2014

REPORT IN BRIEF:

Applicant (Chico Running Club) requests permit for a trail run from Hooker Oak to the end of Upper Park Road and returning on the Yahi Trail. This is the 8th year of the event. Requires BPPC consideration as it requests use of a non-intensive use area.

Recommendation: Conditional approval.

Event Details

Date of Application	6/10/2015
Date of Event	10/11/2015
Time of Event	6:00 A.M. – 12:00 P.M.
Event Name	Trail Run
Applicant Name	Tracie Hannick/Chico Running Club
Location	Hooker Oak Park to end of the road in upper park and back on the Yahi trail
Description	Trail run
New Event?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No. Years? 8
# Participants	150
Reason for BPPC Consideration?	Not an intensive use area.
BPMMP Consideration	

Conditions:

Staff recommends the following conditions:

- Continued adherence to all park rules.
- Obtain a permit from CARD for use of Hooker Oak Recreation Area.
- Maintain participants at roughly the same level and below the participant cap of similar events (500).
- The applicant must provide sufficient monitoring to keep racers on the established route as well as direct traffic where the route crosses the road. Adequate signage must also be in place in order to ensure racers follow the established routes and also to notify other park users of the event.
- In the event that the Middle and Upper Park trails are closed due to wet or unsafe conditions, the race course will need to be altered accordingly and approved by the Park Division. The applicant has agreed to either move the route to paved paths and roads or change the date of the event in the case of a wet weather closure of the trails.
- Close and lock all gates behind them and lock at the end of the event, return keys.
- The applicant will need to do a final inspection of the race courses at the conclusion of the event and remove all signs and course markings as well as pick up any associated trash.
- The applicant will need to do a final inspection of the race courses at the conclusion of the event and remove all signs and course markings as well as pick up any associated trash.

Attachments: Application & Permit for Park Use

Distribution: Tracie Hannick

7/22/2015



City of Chico

APPLICATION & PERMIT FOR PARK USE

Public Works Department - Park Division

Type of Event:	
PUBLIC <input checked="" type="checkbox"/>	PRIVATE <input type="checkbox"/>

SECTION 1 - APPLICANT INFORMATION

Must be 18 or older • No glass containers • Application fee due upon submittal •

THIS RESERVATION IS NOT VALID UNTIL APPROVED BY THE PARK DIVISION.

PLEASE PRINT:

Name of Applicant/Contact Person Tracie Hannick

Description of Event: (family BBQ, walk/run, describe below if needed) Trail Run

Organization Name (if applicable) Chico Running Club

Day and Date of Event: Sunday Oct 11, 2015



From: 6am To: 12 noon
Total Time Needed for Set-up, Event, and Clean-up

From: _____ To: _____ 150

E-mail address: _____

Contact Phone #

Alternate Phone #

Note: Park gates will not remain closed beyond normal opening time for any event with less than 1,000 people. All races with less than 1,000 people at One Mile must start before 8:30 am. Street closure(s) subject to approval.

AREA REQUESTED: (Please check if requested)

- Bidwell Bowl Amphitheater
 - Electricity (15 amp)
- Note: Special conditions apply for amplified sound (12R.08.263 CMC)
- Cedar Grove Picnic Area
 - Electricity (15 amp)
 - tables, restroom area (circle)
- Meadow
 - 100 amp Electrical Service
 - Water (public events only)
- Children's Playground
 - Electricity (15 amp)-Pick up key on: _____ Mon - Fri 8:00 - 3:30
 - Water (public events only)
 - 100 amp Electrical Service
- City Plaza (Additional fees may apply)
 - Electricity (15 amp)
 - Event Restrooms
 - Fountain - On
 - Meter Bags # _____
 - 100 amp Electrical Service
 - Water (public events only)
 - Fountain - Off
 - Sound Curtain

- Council Ring
 - Fire Permit
- Five Mile Picnic Area
- One Mile Picnic/Barbeque Area - Water available, no hose bib
- Oak Grove A
 - Sycamore Way Parking Lot Closure-Public Events ONLY
 - Electricity (15 amp) parking area, restroom area (Pick up key)
 - Band Stand (15 amp)
 - BBQ-Pick up key on: _____ Mon - Fri 8:00 AM - 3:30 PM
- Oak Grove B
- Depot Park
 - Electricity (15 amp)
- Lower Bidwell Park (public events only): _____
- Upper Bidwell Park (public events only): _____
- Other (specify) (public events only): _____
- Early Entrance Needed (public events only) Yes No

Additional Description of the Event: 1 mile @ Half marathon Trail run from Hockenale park to end of road in upper pk on middle-yaki
FOR PARK RANGER ASSISTANCE during the event, CALL 530-897-4900 (Police Department Dispatch) wait

SECTION 2 - PERMIT FEES

Call Park Office at 896-7800 for availability of park areas and fee schedule 80.020

- Application Fee \$ 19.00 (Non-Refundable)
- Reservation Fee \$ 40.50 (\$11.00 minimum, please call for quote)
- Insurance Fee \$ 40.00 (\$40.00 to process outside insurance)
- Vendor Fee # 0 \$ _____ (\$6.00 per vendor)
- Damage Deposit \$ 100.00 (\$100.00 refundable)
- Early Entrance Fee \$ 32.50 (\$32.50/hr. public events only)
- Additional Park Use Fees \$ _____ (see fee schedule)

Additional fees for City Plaza use:	
Event Restrooms _____ x (\$95.00) = \$ _____	#days
100 amp Electrical _____ x (\$30.00) = \$ _____	(electrician required) #days

Credit Card and ATM payment as credit will be assessed a \$2.00 convenience fee.

Park Fee Total: \$ 252.00
Convenience Fee: \$ _____

Fee due upon submittal of application ~ Make Checks Payable to: City of Chico ~

Total Fee Required: \$ 252.00

City of Chico Cash Receipt No. CR 396713 Payment Method: CK 367 Date: 6/10/15 Received By: JR

SECTION 3
CONDITIONS FOR PARK USE

You Are Responsible for Knowing the Park Rules. Please Observe the Following:

- Alcohol** Alcohol is not permitted in any City Park or Playground.
- BBQ's** Portable BBQ's may only be used next to existing BBQ's in Lower Bidwell Park and Five Mile Recreation Areas.
- Bicycles** Must observe all California vehicular codes including one-way streets. Riders are expected to be courteous and yield to equestrian and pedestrian traffic. Helmets must be worn at all times in Upper Park, except when on pavement. Riders must stay on designated trails. Bicycle riding is not allowed in Caper Acres or on the Sycamore pool deck.
- Bounce Houses** Bounce houses and other similar play equipment are only permitted with a reservation and upon approval by the Park Division. The operators of this equipment must provide proof of insurance. Bounce houses are not allowed in Caper Acres.
- Campfires** No campfires allowed.
- Camping** No overnight camping allowed. Bidwell Park is a "day use park" only.
- Clean up** Permittee is required to completely clean up area at the conclusion of event. Additional garbage bags may be obtained from the General Services Department at time of reservation. (12R.04.180 CMC)
- Damages** Any damage to City property as a result of this event will be repaired at permittee's expense.
- Dogs** Dogs may be off leash from 5:30 AM until 8:30 AM in Lower Park -- All other times dogs must be on a leash. Along the north side of Upper Park Road, dogs may be "off leash" anytime. While "off leash," dogs must remain under control via master's voice. *Dogs are not allowed in Caper Acres, One-Mile or Five-Mile swimming areas, or designated swimming holes in Upper Park.*
- Electrical** All power extension cords, sound amplification equipment, and staging to be supplied by permittee. Permittee shall provide "tripping" prevention devices over power cords crossing any pathway.
- Fishing** Big Chico Creek: Check California Fish and Game Regulations, <http://www.dfg.ca.gov/regulations/>, Freshwater Sport Fishing, Alphabetical List of Waters with Special Fishing Regulations. (20) Big Chico Creek. Horseshoe Lake: Age 14 and over - license, catch and release; Under 14 - no license, catch and keep.
- Gate Closures** Upper Park gate at parking area E is closed on Sundays and Mondays and during wet periods. Gates can be closed for approved special events. See www.ci.chico.ca.us/general_services_department/park_division/gate_closing_hours.asp
- Glass** No glass containers allowed in any City Park or Playground.
- Horses** Horses must stay on designated trails. Horses are not allowed in One-Mile or Five-Mile Recreation Areas. Horses must cross the creek at approved crossings. Safe and courteous riding is the Park standard.
- Noise** No loud or unusual noises are allowed, including: radios and headsets that can be heard over 50' away. Music/Amplified Sound at One-Mile Recreation Area, please, face all speakers away from Woodland Ave.
- Park Closures** Lower Park is closed from 12:00 am (midnight) until 5:00 am every day, unless directly and actively proceeding to a destination outside of the park. Upper Park is closed between the hours of 11:00 pm and 60 minutes before sunrise every day, unless posted otherwise.
- Signs/Defacing** Defacing of trees, benches, tables, any park fixtures, open ground, or paved roads/paths with markings, staples, tacks, or signs is prohibited. No pinatas, or accessories shall be affixed to trees. Only barricades, cones, or self standing devices may be used for these purposes.
- Smoking** Smoking is not permitted in any City Park or Playground.
- Swimming** While in the 1-Mile swim area compliance with lifeguards is required for public safety. Pool is open and lifeguards are on duty from Memorial Day through Labor Day.
- Vegetation** No taking, cutting or injury of any vegetation in the Park is allowed.
- Vehicle Traffic**
- While gates are closed, limited use of vehicles to set up for event is permitted. Vehicles must be in compliance with the one-way designation of the roadway, must yield to all other activities (walking, jogging, bicycling, and horseback riding), must travel with flashers on and may not exceed ten (10) miles per hour.
 - Permittee shall provide adequate signs and supervision to avoid conflicts between vehicles, bicycles, equestrians, and general public.
 - Only emergency vehicles will be allowed access through the area of South Park Drive which has been closed to motor vehicles.
 - No vehicles are permitted to travel or park on grass areas.

***I have read and agree to conform to the above rules and conditions:**

Signed: _____



SECTION 4 - INSURANCE

(to be determined by Park Office)

INSURANCE REQUIREMENTS ARE APPLICABLE TO:

[X] Insurance Required

[] Not Required

- (1) All Public Events per Title 12R.08.240, and/or
(2) All Events Public or Private where:
(a) Amplified sound is used, or (b) The number of people participating amount to 100 or more.

For Insurance questions for your event, please contact the Risk Management office at 530-879-7910, by fax at 530-895-4733, or email at riskmanagement@chicoca.gov

If insurance is required, Certificate of Insurance, meeting City standards must be received by:

Organization Named on Certificate of Insurance Chico Running Club

Permittee shall supply, at least two (2) weeks in advance of the scheduled event, a Certificate of Insurance issued by a company licensed to do business in California with a Best's Insurance Guide rating of "B" or better ("A" rated if Company is unlicensed) which provides evidence of comprehensive and general liability coverage in the amount of \$1,000,000 combined single limit, with policy endorsements as follows:

- (1) Identification of permit applicant, identification of event, date of event.

NOTE: NUMBERS 2 AND 3 MUST BE SEPARATE ENDORSEMENTS:

- (2) The City of Chico, its officers, boards and commissions, and members thereof, its employees and agents are covered as additional insureds as respects to any liability arising out of the activities of the named insured.
(3) The insurance coverages afforded by this policy shall be primary insurance as respects to the City of Chico, its officers, employees, or agents. Any insurance or self-insurance maintained by the City of Chico, its officers, employees, or agents shall be in excess of the insurance afforded to the named insured by this policy and shall not contribute to it.
(4) An unqualified statement that "The insurer will provide the City at least ten (10) days prior notice of cancellation or material change in coverage", standard Certificate of Insurance cancellation language is not acceptable

Please Note: Your reservation may be cancelled if the insurance is not approved at least two weeks prior to the scheduled event

SECTION 5 - ACCEPTANCE OF CONDITIONS

In signing this Permit, I agree to indemnify and hold the City of Chico and/or the Bidwell Park and Playground Commission free and clear of all claims of damage for injury to persons or property occurring in, upon or about Bidwell Park, and arising from my use of the park as noted above, and to defend any action against the City of Chico resulting from any such claim, without cost to the City.

*I certify that I have read this application thoroughly, followed any and all instructions, understand its contents, will comply with the attached "Conditions for Park Use", will adhere to any additional conditions set forth by this permit, and supplied true and correct information herein to the best of my knowledge and belief.

X [Signature] Signature of Applicant

X 6/10/15 Date

RETURN THIS FORM TO:

City of Chico - Park Division
411 Main St., 3rd Floor
Chico, CA 95928

FAX 530-895-4825 or email to Parkinfo@chicoca.gov

THIS RESERVATION IS NOT VALID UNTIL APPROVED BY THE PARK DIVISION.

A copy of the approved application will be returned to you.

SECTION 6 - GENERAL SERVICES DIRECTOR AUTHORIZATION

I certify that I have carefully reviewed this application pursuant to Title 12 and 12R of the Chico Municipal Code and hereby recommend that this permit be:

- [] Approved.
[] Approved subject to listed additional condition(s)

- [] Denied by the General Services Director. Reason:
[] Application fee waived (12R.08.100 CMC). Reason:
[] Reservation fee waived (12R.08.250 CMC). Reason:
[] Vendor fee waived (12R.08.250 CMC). Reason:
[] Insurance fee waived (12R.08.240 CMC). Reason:
[] Damage deposit fee waived (12R.08.260 CMC). Reason:
[] Application approved by the Bidwell Park & Playground Commission. Date:
[] Application denied by the Bidwell Park & Playground Commission. Reason:

Date:

Signature of Park and Natural Resources Manager

Date

EVENT INFORMATION

Please answer the following questions by circling "Yes" or "No"

Is this an annual event? How many years have you been holding this event? <u>9</u>	Yes	No
Is there a patron admission, entry, or participant fee(s) required for your event?	Yes	No
Will there be amplified sound/music at event? (Please see 'Conditions For Park Use') Specify type (microphone, band, radio, PA system etc): <u>pa system</u>	Yes	No
When will amplified sound/music be heard? Time from: <u>8 am</u> until: <u>12 noon</u> amps needed (15 or 100) _____ Note: 100 amp electrical service requires a certified electrician to operate.		
Will there be any entertainment apparatus? (Operator to provide proof of insurance) [] Bounce house [] Climbing wall [] Ropes Course [] Other: _____ Name of Operator: _____	Yes	No
Will there be any vendors at this event? (No glass or alcohol permitted) If "yes" please note the number of vendors anticipated: <u>3</u> (submit a, separate, complete list) Does your event include food concession and/or preparation areas? If yes, please describe how food will be served and/or prepared: <u>lunch is catered by Dog House @ Hodges Oak (card park)</u> <u>not sure who vendors are @ this time</u>	Yes	No
Will event require that any part of the Park remain closed beyond the normal time of opening? Note: Park gates will not remain closed beyond normal opening time for any event with less than 1,000 people. All races with less than 1,000 people at One Mile must start before 8:30am. (Subject to approval by the General Services Department Director and/or Senior Park Ranger.) If "yes" please state which gate(s): _____ Time of closure from: _____ until: _____	Yes	No
Will there be early entrance into the Park for setup? If "yes" when will monitors be at their position(s)? Time from: <u>1 am</u> until: <u>12 noon</u> Note: Gate Monitors are required at the entrances and exits for early Park entrance. An additional fee may be charged for early entrance	Yes	No
Will event require over night camping for security purposes? (authorized for a maximum of two people, 12R.04.340 CMC) If "yes" how many security personnel will be required?	Yes	No
Portable Restrooms: You are required to provide portable restroom for events with 200+ participants at your event, in the immediate area of the event site which will be available to the public during your event. Restroom Company <u>Johnny on the spot</u> Phone Number _____ Location of portable restrooms <u>@ Hodges Oak Park</u>	Yes	No
Note: Restrooms shall be removed within 24 hrs after conclusion of event.		
Sanitation and Recycling: As an event organizer, you must properly dispose of waste and garbage throughout the term of your event and immediately upon conclusion of the event the area must be returned to a clean condition. <i>For events with 200+ participants, additional trash and recycling cans are required.</i> Number of Trash Cans _____ Number of Recycling Containers _____ Sanitation Company _____ Phone Number _____ Note: Sanitation containers shall be removed within 24 hrs after conclusion of event.	Yes	No
Will your event include the use of any signs, banners or decorations? (Please see 'Conditions For Park Use') If yes, please describe type and location: <u>yes - sandwich boards, flags, signs on poles</u> Note: All signs and banners shall be free standing and not affixed to Park property.	Yes	No
Will water be needed during your event? Please provide your own hose and on/off switch. No hose bib is available at One Mile Recreation Area. Note: Please request a water coupler key for City Plaza, Children's Playground, and Cedar Grove.	Yes	No
Do you request irrigation to be turned off before and during your event?	Yes	No
CITY PLAZA ONLY: Vehicles are not allowed in City Plaza. Loading and unloading must occur from the streets. Meter bags for unloading and loading <u>only</u> may be obtained from the City by calling (530) 896-7800.		
Will vendors be placed on the perimeter sidewalks? If yes, a Vend, Peddle, Hawk permit must be obtained from the Engineering Division at 411 Main St, Chico, (530) 879-6900.	Yes	No
Will City street closure(s) be needed? A separate permit must be obtained from the Engineering Division at 411 Main Street, Chico, (530) 879-6900.	Yes	No

Trails of Upper Bidwell Park

Parking
 Powerlines
 Swimming
 Improved Roadway - Varying Types
 Minor Trails

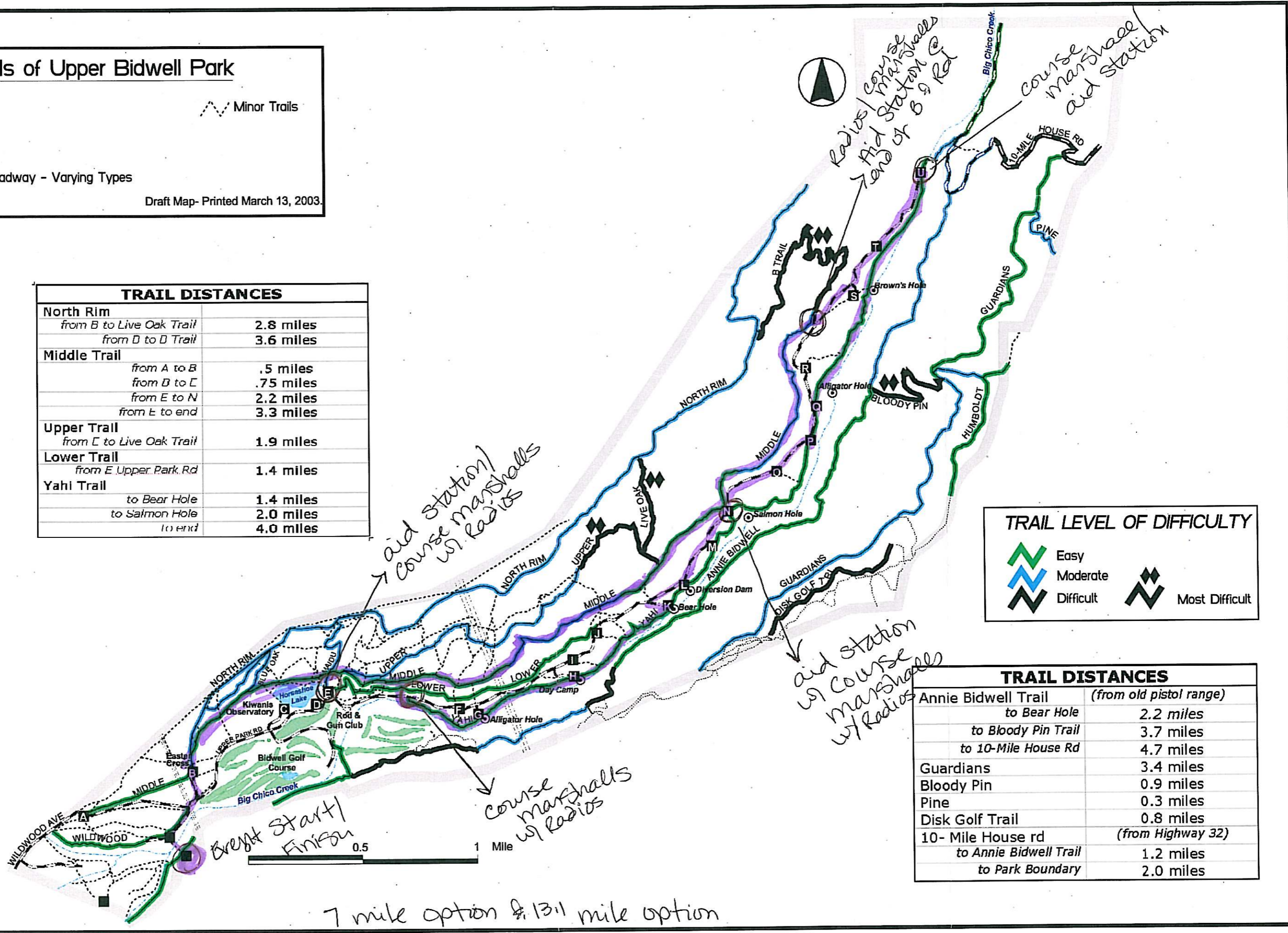
Draft Map- Printed March 13, 2003.

TRAIL DISTANCES	
North Rim	
from B to Live Oak Trail	2.8 miles
from D to D Trail	3.6 miles
Middle Trail	
from A to B	.5 miles
from B to C	.75 miles
from E to N	2.2 miles
from E to end	3.3 miles
Upper Trail	
from C to Live Oak Trail	1.9 miles
Lower Trail	
from E Upper Park Rd	1.4 miles
Yahi Trail	
to Bear Hole	1.4 miles
to Salmon Hole	2.0 miles
to end	4.0 miles

TRAIL LEVEL OF DIFFICULTY

^ Easy
^ Moderate
^ Difficult
^ Most Difficult

TRAIL DISTANCES	
Annie Bidwell Trail	(from old pistol range)
to Bear Hole	2.2 miles
to Bloody Pin Trail	3.7 miles
to 10-Mile House Rd	4.7 miles
Guardians	3.4 miles
Bloody Pin	0.9 miles
Pine	0.3 miles
Disk Golf Trail	0.8 miles
10- Mile House rd	(from Highway 32)
to Annie Bidwell Trail	1.2 miles
to Park Boundary	2.0 miles





**PUBLIC WORKS DEPARTMENT
PARK DIVISION**

411 Main St., 2nd Fl.
P.O. Box 3420
Chico, CA 95927-3420

(530) 896-7800
(530) 895-4899 Fax
<http://www.Chicoca.gov>

CITY OF CHICO

**APPLICATION REQUESTING PERMISSION
TO PLANT, REMOVE, ALTER OR DISTRUB PUBLIC TREES**

LEO JONES

Property Owner

2041 HUNTINGTON DR

Property Owner Address including zip code

Owner's Phone Number 530-654-6511

Owner's Email Address _____

NORTH VALLEY TREE SERVICE

Representative

3882 ESPLANADE

Representative Address

Representative's Phone Number 530-893-9649

Representative's Email Address nvtree@nvtree.com

REQUEST TO: Plant Remove Alter Disturb

Location of tree(s): 2041 HUNTINGTON RD

Number of Tree(s): 1

Diameter of Tree(s) 10" Species of tree(s): (Use additional paper if necessary) BRADFORD PEAR

Reason for request: (Enclose a map showing the exact location of the tree(s) and any proposed improvements along with any other documents which will help explain your request)

TREE HAS FIREBLIGHT
ROOTS UNDER SIDEWALK, LIFT SIDEWALK

ONLY QUALIFIED TREE SERVICES MAY PERFORM WORK ON CITY TREES

Tree Service Performing Work NORTH VALLEY TREE SERVICE Phone # 530 893 9649

Chico Business License # 2732 California Contractor's License # 664421

Certified Arborist # WC2123A Attach Copy of Certificate of Liability Insurance/Homeowner's Ins

5/6/15
Date

[Signature]
Signature of Property Owner or Authorized Representative



GENERAL SERVICES DEPARTMENT

411 Main Street, 3rd Floor (530) 896-7800
P.O. Box 3420 Fax (530) 895-4825
Chico, CA 95927-3420 http://www.ci.chico.ca.us

**PERMIT
TO
PLANT, REMOVE, ALTER OR DISTURB PUBLIC TREES**

TO: Leo Jones
2041 Huntington Dr.
Chico, CA 95928

DATE: 5-11-15

Your application requesting permission to plant, remove, alter or disturb public trees has been:

_____ Approved subject to the condition(s) listed below.

 X Denied for the reason(s) listed below.

Appeal Procedure: Should you disagree with this and wish to appeal this decision, you must submit a written letter addressed to the Bidwell Park and Playground Commission within 15 days of the receipt of this notice of denial. Any appeal submitted will be placed on the next regular meeting of the Bidwell Park and Playground Commission (last Monday of each month).

Condition(s) of approval/reason(s) for denial: The Callery Pear is not dead, dying, or causing a public hazard. This variety of pear tree is prone to getting fire blight, but it seems to be recovering at this point. If conditions change, and the tree shows signs of decline at a later time, a removal permit will be granted. There will be a condition to replant with a more desirable species.

If the above condition(s) is/are agreeable to you, please sign both copies and return them to the Park Department at the address listed above. A copy, signed by a representative of the City, will be returned to you and will be your permit to perform the authorized work.

I hereby acknowledge that I both understand and agree to comply with the conditions of the permit as listed above.

(Date) Signature of property owner or representative
5-11-15 *David Bettencourt*

(Date) Park Director or authorized City representative

Distribution: (When fully executed)

___ PkD ___ CDD ___ ADPW-ENGR ___ PL DIR ___ UF

June 8, 2015

City of Chico,

This letter is to appeal your denial of the request to remove a tree and to replace with a drought resistant city approved tree. Please see attached pictures of the roots going underneath the sidewalk. This is going to raise the sidewalk and cause a tripping hazard. The new tree will have a watering well to encourage the roots to go down instead of being on top of the ground. Our concern is who is going to be responsible if the sidewalk buckles and someone falls.

Please review the pictures and you can see what we are concerned about. Also, North Valley Tree Service inspected the tree and said it has Fire Blight.

Thank you for your consideration,

Leo Jones *Joy Jones*

Leo and Joy Jones
2041-2401 Huntington Drive
Chico, CA 95928
530-354-6511

RECEIVED

JUN 12 2015

CITY OF CHICO
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION



Jones leo 1955 @gmail.com



BPPC Staff Report

Meeting Date: 07/27/15

DATE: 07/22/15
TO: Bidwell Park and Playground Commission
FROM: Shane Romain, Park Services Coordinator
SUBJECT: 4.3. Special Report: Update on the Operations of the One Mile Concession Stand

REPORT IN BRIEF:

As per recent Council budget directives, Council must approve all agreements greater than 5 years. The agreement on the One Mile Concession Stand has passed this milestone and is up for an extension. To provide Council with a recommendation, Staff and Operator (Chuck Averill of the Dog House) will review operations and answer questions on the current agreement **Recommendation:** *Review operations and recommend to Council an extension of the contract.*

Background:

In Fall 2009, the Park Division staff worked with an Ad-Hoc Committee on Concessions at One Mile Recreation to formulate a Request for Proposals (RFP) and an agreement to guide the concessions at the One Mile building adjacent to the Sycamore Pool. On June 23, 2010, the Operator (Dog House) signed an agreement with the City of Chico. The Operator proceeded to renovate the building, including making the counter ADA accessible.

After the construction and inspections were completed (8/13/10), the Operator opened full time (8/14/10). In 2011, the Operator requested a reduction in compensation (8 % in 2011 and 12% thereafter) to help pay for the \$45,000 to renovate the building. The Agreement notes that the Operator pays the City 15% of monthly gross sales. At the 5/31/11 meeting, the BPPC recognized the hardship of the investment but was reluctant to modify the entire agreement. The BPPC moved to support a temporary reduction in 2011 to 12% and return to 15% in 2012 and following years.

The One Mile Concession has become a destination for visitors to the Lower Park area over the last five years. The Operator has been a good neighbor and provides beneficial information to park staff and provides excellent customer service to park visitors. The operator provides annual reports and has pre- and post-season meetings with staff to discuss changes and progress. These annual reports are usually provided to the BPPC at the January meetings.

Discussion:

Recent Council action means that all contracts greater than 5 years must be approved by the Council. The update on operations of the Concession to the BPPC provides a good opportunity for the BPPC to review operations and the agreement and provide a recommendation to Council on whether to extend the agreement.

The operator has been in good standing under the agreement and in 2014 paid approximately \$6,197 to the City's General Fund. The agreement (Attachment A) does provide for an extension and staff have prepared a draft agreement (Attachment B). Because of the significant investment into the property and good standing of the operator, Staff recommends extension of the agreement.

With current changes to City contracting policy, additional language and modifications made need to be completed before it is completed, but the BPPC can provide direction on the intent of extending the agreement with the operator.

Attachments:

- A) Agreement
- B) Amendment
- C) Menu

S:_Old drive to be deleted July 2015\Admin\BPPC\BPPC_Meetings\2015\15_0727\BPPC_Concession_Report_15_0727.docx
7/22/2015

**FIRST AMENDMENT TO AGREEMENT
FOR REFRESHMENT CONCESSIONS IN BIDWELL PARK
ONE-MILE AND FIVE-MILE DAM RECREATION AREAS
(EXTENSION OF TERM THROUGH JUNE 25, 2020)**

THIS AGREEMENT, made on April ____, 2015, by the City of Chico, a municipal corporation (“City”), and Chuck Averill, an individual dba The Dog House (“Concessionaire”).

WITNESSETH:

WHEREAS, on June 23, 2010, City and Concessionaire entered into an Agreement (“Agreement”) for Concessionaire to provide refreshment concessions at the One-Mile and Five-Mile Dam Recreation Areas within Bidwell Park;

WHEREAS, such Agreement was for an initial five-year period and contemplated two (2) five-year extension periods upon the mutual agreement of City and Concessionaire; and

WHEREAS, the Agreement presently will expire on June 22, 2015, and City and Concessionaire desire to exercise the first option period to extend the Agreement for an additional five years;

NOW THEREFORE, the parties hereby agree to amend the Agreement as follows as follows:

A. Section 3. OPERATING HOURS shall be amended to read as follows:

3. OPERATING HOURS

- a. PEAK SEASON – Concessionaire shall operate concessions seven days a week from 11:00am to 7:00 p.m., beginning the last Saturday of May through the 2nd Sunday in August.

Such times and hours of operation set forth above shall be considered the minimal hours of operation. Concessionaire shall, at its option, operate additional hours on any day, provided such additional hours are confined to within one hour before sunrise and one hour after sunset on such day.

- b. OFF SEASON – Concessionaire may operate concessions up to six (6) days a week from one hour before sunrise to sunset on such day, beginning on the Monday following the 2nd Sunday in August through the Friday before the last Saturday of May. Concessionaire may close for the season, or any portion thereof, during the Off Season.
- c. CLOSURE – Concessionaire may close concession operations due to inclement weather, or if upon the determination of the Parks and Natural

Resource Manager other circumstances exists to warrant such deviation from operating hours due to closure of the Park or pool, air quality issues, water quality issues, public health considerations, or other issues warranting release of Concessionaire from the operating hours stated above. Inclement weather shall be defined as heavy rain, snow, sleet, slush, strong winds, or any combination thereof. When possible, concessionaire shall notify the City in a timely manner prior to closing.

- d. SPECIAL EVENTS – Concessionaire may also close operations during special events, as approved or required by the City.

- B. Section 5. LENGTH OF AGREEMENT shall be amended to include the following:

The City hereby grants an extension of the Length of the Agreement for an additional five year period. Paragraph 5 “LENGTH OF AGREEMENT” of the Agreement City hereby amended to extend for an additional 60 months from the date of such Agreement, through June 22, 2020.

Upon mutual agreement of the parties, this Agreement may be extended for one (1) additional extension period to run through March 30, 2025, upon execution of an amendment by the City and Concessionaire to that effect. Written notice of intent to request such extension shall be provided by Concessionaire to the City within no later than September 1, 2019, to provide the City sufficient notice to seek alternative vendors. If the City determines that the extension shall not be issued, it shall provide written notice to Concessionaire of such determination no later than March 1, 2020.

- C. Section 21. ASSIGNMENT OR SUBLEASE shall be amended to read as follows:

Concessionaire shall not assign or have the power to assign this Agreement, in whole or in part, or sub-let or license any right hereunder, or license the use of any facilities, without the prior written consent of the City.

Notwithstanding the forgoing, in the event that the Concessionaire changes form of business operations to incorporate Concessionaire’s business (without assignment of the rights and privileges afforded under this Agreement to another real person), and under such revised business form Concessionaire retains at least 51% of the ownership and control of such business, Concessionaire shall request an amendment to this Agreement, such amendment by the City shall not unreasonably be withheld, prior to the finalization of such assignment of such rights being provided to the new business entity.

All other terms and conditions of the Agreement shall remain unchanged and included herein by reference.

IN WITNESS WHEREOF, the parties hereto have executed this agreement on the date

first set forth above.

CITY OF CHICO

Mark Orme, City Manager

CONCESSIONAIRE

By: _____

APPROVED AS TO FORM:
Vincent C. Ewing, City Attorney

APPROVED AS TO CONTENT:

By: Andrew L. Jared
Assistant City Attorney

Erik Gustafson,
Interim Deputy Public Works Director

Approved by Bidwell Park and Playground
Committee Minute Order _____ on _____

Hot Dogs ♦ Hot Dogs ♦ Hot Dogs ♦ Hot Dogs

Big All Beef ¼ Pound Premium Hot Dogs

- 1. Top Dog** **\$4.00**
Your Choice: Ketchup, Mustard, Relish & Fresh Cut Onion
- 2. Top Dog w/Cheese** **\$4.75**
Your Choice: Ketchup, Mustard, Relish & Fresh Cut Onion
- 3. The O.C.** **\$4.75**
Mayo, Mustard, Relish, Onions & Fresh Grated Cheese
- 4. Big Cheese BBQ** **\$4.95**
Loaded with Layers of Fresh Grated Cheese, BBQ Sauce
Light Mustard & Fresh Cut Onions
- 5. Western Bacon Cheese BBQ** **\$5.95**
Loaded with Layers of Fresh Grated Cheese, BBQ Sauce
Light Mustard, Fresh Cut Onions & Crumbled Bacon
- 6. Chili Dog 'Royale'** **\$5.95**
Our Biggest Dog!!! Loaded with Premium All-Beef Chili
Light Mustard & Onions & Fresh Grated Cheese

Polish Dogs ♦ Polish Dogs ♦ Polish Dogs

Big All Beef ¼ Pound Premium Polish Dogs

- 7. Stadium Polish** **\$4.50**
Your Choice: Ketchup, Mustard, Relish & Fresh Cut Onion
- 8. Stadium Polish with Cheese** **\$5.25**
Your Choice: Ketchup, Mustard, Relish & Fresh Cut Onion
- 9. Traditional Polish** **\$5.75**
Fresh Tomato, Spicy Brown Deli Mustard, Onions & Sauer Kraut
- 10. The Spicy Hawaiian** **\$5.95**
Light BBQ & Spicy Mustard, Our Fresh Pineapple Chipotle Salsa
Light Onion & Fresh Grated Cheese
- 11. The Big Chicago** **\$5.95**
Loaded!!! Mustard, Relish, Fresh Cut Onion, Sauer Kraut, Peppers
Fresh Tomato & Thinly Sliced Dill Wedges

Burgers ♦ Burgers ♦ Burgers

1/3 Pound Premium Char Grilled Beef Burgers

- | | |
|--|---------------|
| 12. Classic Burger | \$4.75 |
| Valhalla Sauce, Onion, Lettuce, Tomato, Ketchup & Mustard | |
| 13. Cheddar Burger | \$5.50 |
| Valhalla Sauce, Onion, Lettuce, Tomato, Ketchup & Mustard | |
| 14. Spicy Teriyaki Pineapple Burger with Cheddar | \$5.95 |
| Valhalla Sauce, Onions, Lettuce, Tomato
Pineapple Chipotle Salsa & Teriyaki Glaze | |
| 15. Western Bacon Cheese BBQ Burger | \$6.50 |
| Valhalla Sauce, Onion, Lettuce, Tomato, Light Mustard,
BBQ Sauce, Crumbled Bacon | |

Chicken Wraps & Veggie Wraps

Fresh Toppings all Wrapped-up in a Tortilla

- | | |
|---|---------------|
| 16. Spicy Teriyaki Pineapple | \$5.95 |
| Light Mayo & Lettuce, Chicken Strips, Pineapple Chipotle Salsa
Teriyaki Glaze & Fresh Grated Cheddar Jack Cheese | |
| 17. Nuevo Verde | \$5.95 |
| Light Mayo & Lettuce, Chicken Strips, Spicy BBQ,
Fresh Tomato Salsa, Jalapenos & Fresh Grated Cheddar Jack Cheese | |
| 18. BBQ Club | \$5.95 |
| Light Mayo, Lettuce & Tomato, Chicken Strips
BBQ Sauce, Crumbled Bacon & Fresh Grated Cheddar Jack Cheese | |
| 19. California Ranch | \$5.95 |
| Light Mayo & Lettuce, Chicken Strips, Ranch, Fresh Roma Tomato Salsa
& Fresh Grated Cheddar Jack Cheese. Add Bacon?! | |
| 20. Chicken Caesar | \$5.95 |
| Lettuce, Chicken Strips, Caesar Dressing & Fresh Grated Parmesan
Add Bacon?! | |
| 21. Veggie Wrap | \$5.95 |
| Light Mayo, Lettuce, Tomato, Cucumber, Fresh Tomato Salsa
& Fresh Grated Cheddar Jack Cheese – OR – Create Your Own!!! | |

Kids Dogs ♦ Veggie Dogs

- | | |
|---------------------------------------|---------------|
| 22. Puppy Dog | \$3.00 |
| All Beef Kids Dog, Create Your Own!!! | |
| 23. Veggie Dog | \$4.00 |
| Jumbo Smart Dog, Create Your Own!!! | |

Pool Side Sides

- | | |
|---|---------------|
| Bowl of Premium Beef Chili w/Cheese & Onions | \$3.95 |
| ...Try Hawaiian Style! Very Good!!! ...Add .75 cents | |
| Chili Cheese Nachos w/Onions & Jalapenos | \$3.50 |
| Cheese Nachos & Jalapenos | \$2.75 |
| Green Garden Salad | \$3.50 |
| ...Add Cheese .75 ...Add Bacon \$1.00 ...Add Chicken \$2.50 | |
| Bagel & Cream Cheese | \$2.95 |
| Hot Soft Pretzels | \$1.50 |
| ... Nacho Cheese Sauce .75 | |
| Muffins | \$2.50 |
| Chips & Cookies | \$1.50 |

Ice Cold Drinks

Coke, Diet Coke, Dr Pepper, Diet Dr Pepper, Sprite, Root Beer, Orange, Grape, Strawberry..	\$1.50
Aquafina Bottled Water	\$2.00
PowerAde Variety..	\$2.50
Glaceau Vitamin Water Variety..	\$2.50
CranRaspberry Apple & Apple Juice	\$2.95
Monster .. Red Bull..	\$2.95

Fresh Brewed Ice Tea

Fresh Brewed Ice Tea Sweet or Not?! With Lemon?	\$2.00
Tropical Citrus Ice Tea	\$2.75

Fresh Squeezed Lemonade & Lemon Ice

Fresh Squeezed Lemonade

Regular 20oz	\$2.75
Cherry, Strawberry Raspberry	\$3.25
Kid's Lemonade	\$1.50
Cherry, Strawberry Raspberry	\$2.00

Lemon Ice

Regular 20oz	\$3.25
Strawberry or Raspberry Puree	\$3.75
Kid's Lemon Ice	\$2.25
Strawberry or Raspberry Puree	\$2.75

Ice Cream Treats

Firecracker Popsicles	\$1.00
Jolly Rancher Popsicles	\$1.00
Sugar Free Popsicles	\$1.00
Giant Flavor Ice Variety	\$2.00
Creamsicle (Orange, Raspberry)	\$2.00
Fudgsicle	\$2.00
Klondike Rocky Road Bar	\$3.00
Klondike Reese's Bar	\$3.00
Klondike Oreo Sandwich	\$3.00
Klondike Mrs Field's Sandwich	\$3.00





Lazy Taco Salad

Corn Tortilla Chips Smothered
with Beefy Chili.. Lettuce..
Onions.. Cheese.. Jalapeno..
and Salsa.. \$3.95



Corn Dog

\$3.00 +tax

Hot Salted Pretzels with Mustard

\$1.50 +tax

Nacho Cheese .75





DATE: 7/16/15
TO: Bidwell Park and Playground Commission (BPPC)
FROM: Dan Efseaff, Parks and Natural Resources Manager
SUBJECT: Funding for Middle Trail – Phase II

Report in Brief:

Staff will present a proposal for a grant to the Recreational Trails Program (RTP) to fund Phase II of the Middle Trail Rehabilitation Project. The BPPC previously reviewed and supported the proposal in November 26, 2012 and the Council subsequently passed a supporting resolution. However, the State unexpectedly suspended the program after the proposal submittal. **Recommendation:** *Approve the proposal concept and recommend Council approval of a resolution supporting the proposal.*

FISCAL IMPACT:

The grant guidelines require a 12% match of City funds (not to exceed \$24,000) if the City is awarded the grant. As with the Phase I grant, the match arises from staff time to collect public input, manage, oversee, and complete trail work; and also from volunteer work days on the project. Staff time for Bidwell Park trails is built into the Park Division's operating budget. Additional funding allows for significant leveraging of Staff time and allows for additional materials and labor from the California Conservation Corps, to make sure that these efforts are properly funded and more area may be covered. No additional City funding will be required to meet this required match.

Background

The Recreational Trails Program (RTP) provides funds annually for recreational trails and trails-related projects. The RTP is administered by the California Department of Parks and Recreation (DPR). RTP applications are due September 15, 2015 (Please see http://www.parks.ca.gov/?page_id=24324).

The grant funding will provide additional resources to continue Phase II of the Middle Trail Rehabilitation project. In the spring of 2008, the Park Division was awarded a \$175,802 RTP grant (Phase I) that funded the rehabilitation of 6,000 feet of the Middle Trail; provided signage at trailheads in Parking Lots C and E; and constructed an ADA trail south of Horseshoe Lake that connects C and E lots. Staff has met with stakeholders throughout the process for field reviews and to receive put input through Natural Resource Committee meetings.

Discussion

Phase II will continue progress made on the approximately 6,000 feet of the Middle Trail that is part of the current grant, extending the sustainable trail rehabilitation approximately 6,000 feet eastward (to near Salmon Hole). Phase III (roughly 6,000 feet from Salmon Hole to the B Trail) would complete the Upper Park work on the Middle Trail in Upper Park.

In comparison to the current area, the trail is steeper and generally follows an old dozer track (fire line/jeep road) created decades ago.

Poor drainage due to the remnant dozer berm and poor trail design makes the trail subject to erosion with the trail becoming essentially a gully in several areas. In addition, connecting trails diverts water down the hillside onto the trail. For example, the Live Oak Trail drops about 630 feet in a little over a half mile (about 2,900 feet) for an average slope of 22 %. The Live Oak trail has evidence of erosion and the steep grade (maximum over 50%), and loose tread, attracts few users. Sustainable trail design suggests, unless trails are heavily armored, a sustainable grade is less than 10%. The Live Oak trail and repairs on connector trails to Upper Park Road would be a part of Phase II.

The project would continue the outreach model used during the current grant with opportunities for public input in the planning phase as well as a questionnaire/observations, and trail walks to collect public input. Except for sections that

required structures because of erosion issues or chronic wet spots, Phase II would rely more on the native materials (soil and rocks) to develop the tread than Phase I.

The scope of work, includes:

- 1) Design, purchase, and install interpretative, informational signs at Bear Hole and Salmon Hole;
- 2) Complete botanical and anthropological studies along the trail corridors in Phase II;
- 3) Rehabilitate approximately 6,000 linear feet of Middle Trail with sustainable design features and restoration of erosion damaged areas; and
- 4) Rehabilitate about 3,000 feet of the Live Oak Trail and approximately 1,000 feet of connector trails.

Staff will have a map available at the meeting.

The project incorporates sound trail design techniques as provided in the City's adopted Bidwell Park Trails Manual and will take into account ecological and historical integrity, appropriate visitor opportunities, and sustainable practices and will employ "best practices" (including those promoted by the International Mountain Bike Association on sustainable trail building).

As discussed below, mitigation measures have been built-in to the project to ensure that no impacts will occur to cultural or biological resources.

- 1) The major access points to the Park's extensive trail system lacks interpretive and informational signage defining destination, difficulty, and distance of trails. In addition, visitor use of unofficial trails has contributed to severe erosion, and has created undesired trails through sensitive vegetation and land formations. Providing information via signs to park visitors at existing trail heads is essential to maintaining a healthy and safe trail system for visitors in Bidwell Park. The signage will direct users to trails and experiences consistent with their skills and abilities.
- 2) The noted studies in work areas will inform our design to avoid sensitive areas (or to move the current trail).
- 3) Input from the public will allow for the trail design and construction to be responsive to user needs.
- 4) Rehabilitation of the Middle Trail is needed due to an inappropriate alignment, and the lack of sustainable design. Much of the trail lacks out-sloping design resulting in soil erosion, trail trenching, pooling of water, scouring of top soil exposing underlying bedrock, and destruction of animal habitat and native vegetation in close proximity to the trail. Visitors often go off trail in order to avoid water flows and pooling in the rainy season contributing further to erosion and trail destruction.
- 5) Additionally, connector trails also are plagued with similar issues (and may be even more acute due to the frequent access to Upper Park parking areas and generally steeper slope).

Because of the short turn around time for the proposal, additional details will be refined during the development process and before the Council meeting. For example, the preliminary costs are estimated at \$200,000; this (and the proportion of which is a match will undoubtedly be refined over the next few weeks. The funding agency requires a resolution from the governing body before funding can be awarded.

With BPPC approval, staff will proceed with obtaining a City Council Resolution as required by the grant. Staff will forward additional details about the proposed project at the next meeting.

Attachments: None



DATE: 7/18/15
TO: Bidwell Park and Playground Commission (BPPC)
FROM: Dan Efseaff, Park and Natural Resource Manager
SUBJECT: Parks and Street Trees and Public Landscapes Report

NARRATIVE

1. Updates

- a. Tree Guide – Staff worked with PG&E to develop, “A Tree Guide for Chico” (Attachment A). The guide is intended to provide landowners with information to select appropriate trees for planting locations. The selected trees are based on a sub-set of trees from the City street trees approved list indicates utility friendly trees. The guide is available on the City web page and PG&E is printing copies as well.
- b. Sycamore Pool –
 - i. Staff received indirect information about a citizen complaining of a skin infection contracted after swimming in Big Chico Creek. Staff followed up with collecting an additional sample for total and fecal coliform, checked with Rangers, lifeguards, and CARD to see if they had any reports or experienced themselves any issues after contact with the water. The samples came in below (350 organisms per 100 ml) the guidance we follow from the Butte County Health Department. The guidance suggest that samples that exceed 500 organisms per 100 ml should be resampled and warnings and closure should be issued over 5,000 organisms per 100 ml. interested citizens may view the Butte County Health Closure Policy, Water Diversion Permit, Monitoring and Reporting Program, and Monthly Summary Data since 2010 (the means from each month reported to the State Water Quality Control Board, the Parks Department may have the data from individual samples).
 - ii. Creek flow is extremely low and Parks have been monitoring the levels. We anticipate that the pool will likely close in August. Closure would mean that the dam would be dropped to the off-season levels (4.5 feet), pool cleanings would cease, and lifeguards would not staff the pool. The public would still be able to access the pool like all other areas of the Creek.

2. Administrative and Visitor Services

- a. Picnics in the Plaza – The program continues with a variety of entertainment (attendance between 50-100). The program will extend until mid-August when Parks staff will shift attention to the upcoming Bidwell Bash and Annie B efforts.

3. Planning/Monitoring

- a. Peregrine Point – Staff met with ORAI to discuss issues site and upcoming work. ORAI provided an update on recent work at the Disc Golf Course (Attachment B).

4. Maintenance Program

Staff continues daily cleaning and safety inspections of all recreation areas including: grounds, playgrounds, picnic sites, roads and paths, coupled with daily cleaning and re-supplying of all park restrooms. Maintenance and repair of park fixtures, daily opening of gates, posting reservations, unauthorized camp clean up and the constant removal of graffiti from all park infrastructure.

- a. **Lower Park:** Staff working closely with ACS rebuilt the horse shoe pits, replacing the stakes, concrete, sand and back boards as needed. The California Conservation Corps worked on side trimming both South Park Drive and Peterson Drive to open up the road ways for visibility and safety.
- b. **Middle Park:** Staff installed one of the two replacement hand dryers at Five Mile restrooms the second should come on line in July. Staff has spent ten hours over the week following hooked on fishing to clean up the dead and rotting fish that the lake cannot support.
- c. **Upper Park:** Park staff completed with the help from California Conservation Corps 1,412 feet of the Anne B trail erosion control by building eleven grade reversals, 154 feet of out sloping, 157 feet of tread re-build and 76 feet of

tread re-alignment. Staff delivered thirty-five yards of chip mulch to disc golf for the distribution around the T's and holes.

- d. **Various Park Locations:** Replacement sign inventory for all park areas is complete and staff is starting to replace as time allows.
- e. **Upcoming Projects:** Bollards at Golden Birch entrance to Teichert Ponds, Bench and bike racks at concession stand, replace the hand dryers at Five Mile restrooms. Replace damaged and out of date signs throughout the park.

5. Ranger and Lifeguard Programs

- a. The beginning of June brought the Ranger Program our most recent ranger, James LeDonne. With the new fiscal year, James became the third FTE ranger. There is no longer a seasonal ranger position. James has a background with Cal Fire and owns a premiere safety training and certification business in town with his wife Tanya.
- b. The month of June brought record early heat and fire danger to the park. Rangers responded to several heat illness incidences in June. One such incident involved a dog which died from heat stroke. Rangers have been proactive in reminding park users to bring ample water for their activities in the park.
- c. Two fires erupted in the One Mile Recreation in June. The largest, east of Caper Acres, consumed 1/8 acre of vegetation and was thought to be caused by transient activity in the area. The second fire occurred in the restoration area and was quickly put out by Ranger Sandquist with a backpack pump.
- d. Vandalism of park property and vehicle break ins continue in the park. With the new community policing model being adopted, we hope to have a beat officer in the park in the near future. Victims of vehicle break-ins are encouraged to file a Cop Logic report with the police department. Rangers have installed signs in parking lots encouraging visitors to leave valuables at home or keep on their person.
- e. Rangers continue to notice homeless encampments and support camp cleanups monthly with ACS workers. June's cleanup on the Little Chico Creek corridor netted 30 yards of trash.
- f. The Lifeguard Program is in full swing six days a week from 11-7. June saw two rescues, several bee stings and minor first aid incidents.

6. Natural Resource Management



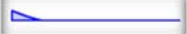


- a. Comanche Creek – Planning efforts continue on the grant for the project. The site will be open to the public in summer 2016. Herbicide application has begun to treat ailanthus and other non-native plants on site.


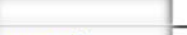












7. Outreach and Education






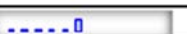

- a. Ranger Hiemstra held a talk with 20 local students at Monkey Face prior to the end of the school year. Topics covered included park history, trail safety, and importance of hydration.

8. Street Trees and Landscapes

- a. Street Tree Division Update - Staff will provide outline the current status of the program and upcoming issues. A report is attached (Attachment C).
- b. Drought Effects on Street Trees – The on-going drought continues to take a toll on trees in the area. To quantify those potential impacts, staff completed a monitoring effort in fall 2014 (Attachment D). The report summarizes the status of the selected trees and estimates some cost impacts.
- c. 125 Mission Ranch – Staff responded to reports of a broken water pipe at the address noted. In addition to the broken pipe, staff noted that 2 Yarwood Sycamore trees in front, trimmed one year ago, are still dropping 3 to 4 inch diameter limbs and need to be trimmed again.
- d. At CMD 97 Strafford Estates (Henshaw at Alamo) there are 17 Yarwood sycamore trees that are a high priority for pruning. Staff is explore funding options to prune the trees (about \$4250).

Category	Staff Hours	% of Total	% Change from Last Month	Trend
Tree Crew Hours				
1. Safety	43	7.5%	70.5%	
2. Tree Work	458.5	79.8%	167.0%	
3. Special Projects	1	0.2%	25.0%	
4. Admin Time/Other	72	12.5%	130.9%	
Monthly Totals	574.5	100.0%	145.6%	

Item	Values	% Change from Last Month	Trend
5. Productivity			
Calls			
Call Outs	137	380.6%	
Service Requests: Submitted	0	-	
Service Requests: Completed	125	181.2%	
Sub Total	262	249.5%	
Trees			
Planted: Trees	0	-	
Pruned	39	35.5%	
Removed: Trees (smaller)	7	63.6%	
Removed: Stumps	0	-	
Removed: Trees	0	-	
Sub Total	46	38.0%	
Tree Permits (#)			
Submitted	0	-	
Approved	4	33.3%	
Denied	2	66.7%	
Total	6	40.0%	

6. Contracts			
Expenditures (\$)	\$ 57,280	1020.6%	
Trees (#)			
Planted	0	-	
Pruned	125	2083.3%	
Removed: Trees (smaller)	0	-	
Removed: Stumps	0	-	
Removed: Trees	34	-	
Total	159	2650.0%	

9. Volunteer and Donor Program

- a. Annie B's – The City of Chico will once again participate in the North Valley Community Foundation Community Fundraiser. For the first time, Citizen's will be able to donate to support the City's trees. Donations begin August 1. The City is also in the process of setting up a permanent fund thru the NVCF.
- b. Upward Bound- The Parks Division hosted 5 Upward Bound students and 1 student supervisor from June 15th to July 21st. Upward Bound serves: high school students from low-income families; and high school students from families in which neither parent holds a bachelor's degree. The goal of Upward Bound is to increase the rate at which participants complete secondary education and enroll in and graduate from institutions of postsecondary education. They served a total of 90 hours removing litter and invasive plants from Bidwell Park and City of Chico greenways in the month of June
- c. Upcoming Volunteer Opportunities – Please check the Park calendar for the latest events: http://www.ci.chico.ca.us/general_services_department/park_division/volunteer_calendar.asp

10. Upcoming Issues/Miscellaneous

- a. BPPC workplan – The biennial plan will likely return to the Commission at the next meeting.

MONTHLY SUMMARY TABLES

Table 1. Monthly Public and Private Permits

Table Monthly Public Permits				
Date	Location	Organization	Event	Participant #
06/06/2015	5 Mile	Rim To Rim	Trail Running Race	200
06/07/2015	Council Ring	God Squad	AA Meeting	50
06/21/2015	Council Ring	God Squad	AA Meeting	50
06/21/2015	1 Mile	Orchard Church	Church Service	140
06/22/2015	Children's Playground	Bidwell Presbyterian Church	Vacation Bible Experience	150
06/28/2015	1 Mile	North Valley Intergroup	AA BBQ	150
06/28/2015	Council Ring	God Squad	AA Meeting	50
Totals			12	790

Table 2. Monthly Private Permits

Type	# Permits	# Participants
Private	25	1995
Caper Acres	32	1130
Totals	57	3125

Table 3. Monthly Maintenance Hours.

Category	Staff Hours	% of Total	% Change from Last Month	2015 Trend
1. Safety	421	43.9%	122.2%	
2. Infrastructure Maintenance	209	21.8%	68.1%	
3. Vegetation Maintenance	158	16.4%	139.4%	
4. Admin Time/Other	172	17.9%	106.5%	
Monthly Totals	959	100%	103.6%	

Table 4. Monthly Volunteer Hours












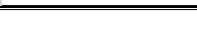
Parks and Greenway Volunteer Activities, June 2015

Date	Location	Name	# of Volunteers	Tasks	Total Hours	Leader
Mon & Tues Throughout June	Bidwell Park	Upward Bound	5	Weed & Trash Removal	90	Heidi
6/4/2015	Cedar Grove	FOBP	2	weed removal	10	Susan
6/5/2015	Cedar Grove	FOBP	2	weed removal	8	Susan
Throughout June	Various	FOBP	3	weed removal	5.25	Various
6/6/2015	LCC @ Hazel	NPS, Kids and Creeks,Parks	5	Arundo Removal	20	Susan/Heidi
6/7/2015	LCC @ Hazel	NPS, Parks	11	Arundo Removal	44	Susan/Heidi
6/13/2015	5 Mile	The Stream Team	6	Water Monitoring	18	Timmarie
6/14/2015	Comanche Creek	FOCC,NPS,Parks	10	Weed & Trash Removal	30	Susan/Liz
6/19/2015	Bidwell Park	Upward Bound	250	Painting, Weed & Trash Removal	500	Heidi
6/20/2015	LCC @ Hazel	NPS, Parks	4	Arundo Removal	16	Susan/Heidi
6/21/2015	LCC @ Hazel	NPS, Parks	4	Arundo Removal	16	Susan/Heidi
6/22/2015	LCC @ Hazel	NPS, Parks	4	Arundo Removal	16	Susan/Heidi
6/27/2015	Comanche Creek	FOCC,NPS,Parks	10	Weed & Trash Removal	30	Susan/Liz
TOTAL HOURS					803.25	

Table 5 Monthly Citations and Warnings

Ranger Report - Citations 2015

Violation - Citations	Monthly			Annual			Trend
	Total Citations	%	Rank	Total Citations	%	Rank	
Alcohol	10	14%	2	10	7%	4	
Animal Control Violations	1	1%	6	2	1%	6	
Bicycle Violation	0	0%	7	0	0%	9	
Glass	2	3%	5	4	3%	5	
Illegal Camping	7	9%	3	19	13%	2	
Injury/Destruction City Property	0	0%	7	0	0%	9	
Littering	0	0%	7	0	0%	9	
Other Violations	0	0%	7	1	1%	8	
Parking Violations	48	65%	1	98	67%	1	
Resist/Delay Park Ranger	0	0%	7	2	1%	6	
Smoking	6	8%	4	11	7%	3	
Totals	74	100%		147	100%		

Violation - Warnings	Monthly			Annual			Trend
	Total Warnings	%	Rank	Total Warnings	%	Rank	
Alcohol	62	16%	2	106	11%	5	
Animal Control Violations	36	9%	5	109	12%	4	
Bicycle Violation	31	8%	6	169	18%	2	
Glass	58	15%	3	75	8%	6	
Illegal Camping	58	15%	3	151	16%	3	
Injury/Destruction City Property	2	1%	9	11	1%	10	
Littering	30	8%	7	58	6%	7	
Other Violations	2	1%	9	16	2%	9	
Parking Violations	4	1%	8	31	3%	8	
Resist/Delay Park Ranger	0	0%	11	1	0%	11	
Smoking	106	27%	1	197	21%	1	
Totals	389	100%		924	100%		

PHOTOGRAPHS



Emergency response to downed limbs and trees

has been above normal for the month of June.



Hanger on Mission Ranch Boulevard 10 inches in diameter 30 feet long.



Crews spent over a week pruning trees in the City Parking lot that houses the Saturday Farmers Market.



Staff, volunteers, and Sherriff's work crews remove a huge section of Arundo on Little Chico Creek



Arundo removal on LCC at 9th and Hazel

Upward Bound students at work

Attachments:

- A. A Tree Guide for Chico
- B. ORAI Update on work at the Peregrine Point Disc Golf Course.
- C. Street Trees Status Report
- D. STATUS OF CHICO STREET TREES DURING DROUGHT - MONITORING ANALYSIS (DRAFT)

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7/23/2015



DATE: 7/14/15
TO: Bidwell Park and Playground Commission (BPPC)
FROM: Dan Efseaff, Park and Natural Resource Manager
SUBJECT: Street Trees Status Report (Informational Item)

REPORT IN BRIEF:

On a regular basis, the BPPC receives updates on the status of either the Parks or Street Tree Divisions. With changes to the program over the past couple of years, the BPPC had requested an update on the program and Staff will outline the current status of the program and upcoming issues:

1. Resources –

- a. Staff - Currently, the Tree Division has 1- Supervising Maintenance Worker, 1-Senior Maintenance worker, and 1-Maintenance Worker (assigned to watering young trees and other projects that do not include tree pruning or tree maintenance).
- b. Current contracts:
 - i. Emergency Services for Urgent Tree Work (Petersen Tree Service) - Contractor provides services for urgent tree pruning for work on trees that fall unexpectedly. Tree failures may include large limb breakage, split trunks, uprooting or trunk failures and may occur at any time of the day or night.
 1. Minimum 2 hours required for call outs with hourly Rates for a minimum 2-person crew, Bucket Truck and Chipper:
 2. Emergency Rate for Normal Business Hours: \$225.00
 3. Emergency Rate for after hours and holidays: \$275.00.
 - ii. Tree Removal –
 1. Contractor (Salinas Tree Service) removes dead, dying, or dangerous trees and may grind stumps. Unit cost for small trees (<20 feet): \$100 and for other trees (20-100 feet): \$500.
 2. As needed, the City develops requests for bids for trees that may have commercial value, often this has been for walnut trees that may have value. The City issued 2 contracts in the last 2 years. This provides and opportunity for the City to have a hazardous tree removed and receive revenue.
- c. Pending Contracts:
 - i. Pruning and Planting Contract - Contractor (M & S Wesley) provides all labor, materials, and equipment to provide tree trimming, tree planting, small tree removal, and other tree maintenance services. The contractor provides a host of services but a sample includes, an Annual Trim (\$35-\$150 depending on size), Full Trim (\$35- \$350), pruning Palm Trees (\$250-\$275), Tree Planting (\$250-\$350), and an Hourly Rate of \$175/hour. Work under this contract is delayed as the union (SEIU) wanted to meet and confer on the project. An initial meeting occurred and a follow-up is scheduled for the end of July.
 - ii. Contract for the Urban Forest consultant: Staff received 1 proposal for services related to the Urban Forest Manager contract. The bid was open for approximately a month and closed on 5/14/15. The bidder is a Retired Annuitant and as such, CalPERS must verify him as an Independent Contractor. The Human Resources Department submitted a request to CalPERS (6/2/15) and anticipated a 30 – 60 calendar day turn around. If CalPERS identifies the bidder as an Independent Contractor, the agreement will be developed and signed. If not, then the City is considering other options (seek another consultant, or hire as a part-time employee). When the position/contract situation is rectified, staff anticipates a focus on permits, claims, risk assessment of service request trees (including older service requests that were low priority but should be evaluated to see if the status has changed), and survey of existing trees. The Urban Forest Management Plan will likely be on hold until the immediate issues are resolved.
 - iii. Stump Removal - City will issue a new Notice Inviting Bids (NIB) for a stump removal contract. The last contract expired last year. Stump removal have been a low priority in comparison to

other tree work. The last list for removals was in 2013. The rates range from \$150 to \$250. The City has had a contractor for this work at least since 1997.

2. Operations

- a. Immediate priority tree work and operations have taken precedence over other tasks. The Division focuses on emergency response and clean-up, traffic and school zone safety. Permit requests from landowners have also been expedited.
 - i. High priority trees: trees or limbs that
 1. Have fallen and caused damage to property or people;
 2. Are in immediate danger of falling or breaking and over structures, roads, picnic or play areas; or
 3. Blocking streets or roads.
 - ii. Medium to low priority: trees or limbs that
 1. Have fallen and are not an immediate hazard and not blocking roads or streets;
 2. Dead or declining trees without a target present.
- b. Pruning cycle – Based on the 2014 Annual Report staff and contractors pruned approximately 1,850 trees. The total number of street trees in Chico is approximately 37,300. This amounts to a pruning cycle of 20.2 years. The International Society of Arboriculture (ISA) recommends a pruning cycle of 4-5 years (and a shorter cycle of 2-4 years for young trees). Utilizing the 5 year average would mean that the division should pruning approximately 7,460 trees. Pruning would increase the longevity of the tree, retain the ecological service provided, reduce the costs associated with tree and stump removal, and replanting.
- c. Service requests: as of 7/21/15, the Division has 830 open service requests. In comparison, there were 215 open requests on 6/30/15. Approximately 30-50 new service requests are added monthly.

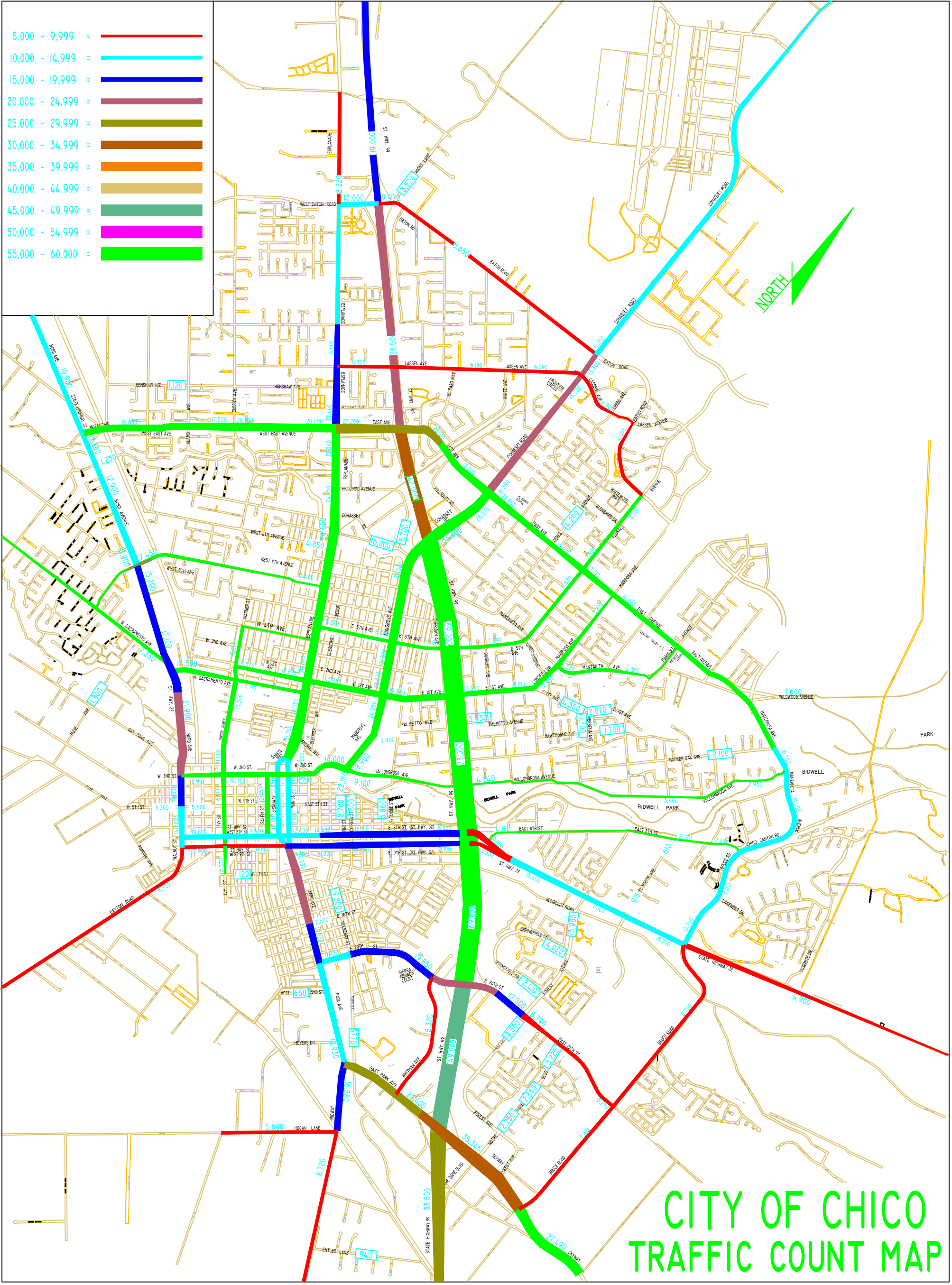
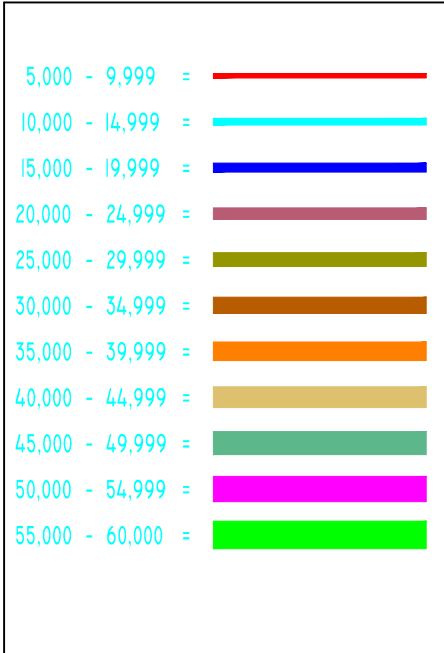
3. Upcoming Tasks

- a. Drought – the 4th year of drought has taken a toll on the City's trees, staff recently completed an evaluation of a sampling effort to gauge the status of City trees and will present that information to the BPPC.
- b. Explore options to add staff on a seasonal basis.
- c. Systematic pruning – in past years, the City would complete regular pruning of priority corridors. Last year, the City restarted similar efforts (for example, when a number of trees showed issues, we opted for a systematic pruning along 4th Street across downtown to Cypress Ave). With the anticipated El Nino for this winter, we are trying to identify proactive work to lessen the impact of storms and keep important corridors open. Traffic counts will help identify these areas, but we'll also reach out to other Departments to identify these areas.
- d. A few thousand trees have been added to the urban forest, but have not been added to the database system in a systematic fashion.
 - i. Develop a mechanism to enter new trees (both replants and from new developments) into the tree database system during the development process.
 - ii. Staff have explored options for an hourly to help catch up the inventory, and have now begun conversations with CSUC's Geographic Information Center (GIC) to complete this work.
- e. Continue to incorporate a tree risk assessment approach to evaluating trees and priorities.
- f. Permits - Streamlined systems:
 - i. Expedited permit (the BPPC provided for staff approval) for the removal of undesirable trees and replanting with appropriate ones.
 - ii. The BPPC supported and Council approved an urgency ordinance to describe appropriate changes to the public Right of Way that citizens can do without a permit. Direct alteration, pruning, removal, or planting will require a permit thru the usual City processes.
- g. Once all the contracts are in place, work to reduce the number of service requests.

Attachments:

- A) City of Chico Traffic Count Map

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7/22/2015



**CITY OF CHICO
TRAFFIC COUNT MAP**



CITY OF CHICO MEMORANDUM

TO: "[TO: CLICK HERE FOR RECIPIENTS]" DATE: 6/1/15

FROM: DAN EFSEAFF FILE:

SUBJECT: STATUS OF CHICO STREET TREES DURING DROUGHT - MONITORING ANALYSIS (DRAFT)

Note: this is a draft document subject to revision. Provided for comments.

Introduction

Staff are concerned about the impacts of the now 4-year drought on the City's Street Trees over the past decade. Many trees in parts Chico are exhibiting the long-term effects of drought. Recent observations, reveal that mortality and dead branches have increased around the community. In addition, even if rain returns this winter, the effects of drought stressed may linger as the trees may have a reduced ability to respond to wounds or pathogens.

The City has a tree database system that is currently updated as staff work on individual trees. The City can use indirect measures to assess the status of trees such as service requests. However there's not a real time way to assess the status of trees.

Staff wanted to answer the question what is the current status of trees across Chico, do they need current maintenance, and what would be the costs to remedy them? Would a systematic/proactive approach to pruning result in cost savings to the City?

Methods

To provide an unbiased sample of tree status and arrive at some costs and strategies, staff completed a sampling of trees as follows: In each of the City's 7 urban zones (the 8th is Bidwell Park, select stratified random samples of 2 sets of 20 trees. Staff developed a numbered grid overlay for Chico and using MS Excel randomly selected points from each area. Staff would select the closest street to those points and then in the field, evaluate the first 10 trees or tree locations (based on the street tree database) on each side of the street.



Figure 1. Work Zones Map of Chico.

The Tree Field Supervisor then completed the data collection if they were in the area on other projects and time allowed. The data collection occurred in October 2014. In the field, staff would collect the following information (Attachment A):

1. Tree Species/Type of tree
2. Position
3. Address
4. Maintenance type
5. Maintenance year
6. Date
7. Tree DBH – Diameter at Breast height (measured at 4.5 feet from the ground on the uphill side of the tree),
8. Height – Estimate of tree height from the ground level to the top of the bole or highest living foliage.

9. Vigor/Status – Tree status describes the general health of the tree (vigor score in parenthesis)
 - a. A – Excellent. Healthy tree with very little damage (1)
 - b. B – Good (2)
 - c. C – Fair (3)
 - d. D – Poor (4)
 - e. E – Dead or Dying (5)
10. Dead or broken branches in canopy
11. Recommended actions
 - a. Plant
 - b. Formative prune
 - c. Elevate
 - d. Thin
 - e. Clean
 - f. Routine prune
 - g. Remove
 - h. Stump
 - i. Water
12. Notes

Table 1 provides a sense of the number of trees in each zone and occupancy rates. Please note that while the removal of trees has been updated, the data below is essentially frozen at 2009-2012 rates for new plantings. New plantings may include requests thru the permit system or for new sub-divisions.

Table 1. Street Tree Summary (as of 2/18/14).

Zone	Area	Street Tree Locations			%
		Total	Live Trees	Open	Occupancy
1	south	6747	6128	619	91%
2	south-east	2701	2343	358	87%
3	central-east	1339	1004	335	75%
4	north-east	4651	4085	566	88%
5	central-west	6673	5930	743	89%
6	south-west	4486	3950	536	88%
7	north	5037	4662	375	93%
Misc.	no zone specified	666	578	88	87%
Est. Inventoried Trees		32300	28,680	3620	89%
Est. Uninventoried Trees (new subdivisions, etc.)			5000		
Totals		37,300	33,680	3620	90%

Results

The data collected provided the basis of the following pivot tables and summaries (Tables 2-5, Figure 2) (data and locations available upon request).

Table 2. Summary of Planting Site Locations.

Zone	Number (n)	Number of Planting sites	% Occupancy
1	40	3	93%
2	40	6	85%
3	40	4	90%
4	40	4	90%
5	40	6	85%
6	40	5	88%
7	40	2	95%
Grand Total	280	30	89%

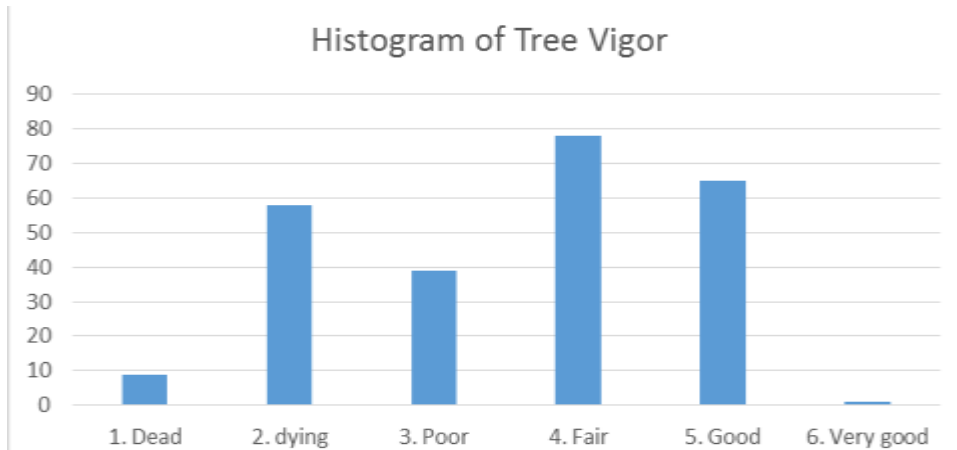


Figure 2. Distribution of Vigor for All Areas Sampled.

Table 3. Top Ten Tree Species with Highest and Poorest Vigor Scores.

Tree	Number (n)	Average DBH	Average Vigor Score
Highest Vigor			
Ponderosa Pine	1	2.00	1.00
Little Gem Magnolia	7	3.33	2.00
Coast Redwood	3	18.67	2.00
Scarlet Oak	1	5.00	2.00
October Glory maple	3	2.00	2.00
Green Ash	1	8.00	2.00
Paulownia	1	8.00	2.00
Crimson Spire Oak	5	3.00	2.00
Autumn Purple ash	1	4.00	2.00
Shumard Oak	4	6.75	2.00
Poorest Vigor			
Silver Maple	9	35.56	5.00
Incense Cedar	1	22.00	5.00
Black Walnut	37	34.84	4.57
English Walnut	4	25.00	4.50
Alder	4	17.50	4.50
Birch	2	10.00	4.50
Idaho Locust	6	14.67	4.17
Cork Oak	1	35.00	4.00
Shingle Oak	20	8.65	3.70
Chinese Elm	23	9.83	3.70

Table 4. Species, DBH, and Vigor of Sampled Trees.

Tree	Number (n)	Average DBH	Average Vigor Score
Black Walnut	37	34.84	4.57
Yarwood sycamore	23	12.38	3.13
Chinese Elm	23	9.83	3.70
Shingle Oak	20	8.65	3.70

Tree	Number (n)	Average DBH	Average Vigor Score
Modesto Ash	13	35.00	3.69
Crape Myrtle	12	2.42	2.42
Female Pistache	10	18.30	3.20
Tupelo	10	3.43	3.30
Silver Maple	9	35.56	5.00
Male Pistache	9	13.33	2.11
Little Gem Magnolia	7	3.33	2.00
Camphor	6	19.83	3.33
Liquidambar	6	15.83	3.00
Idaho Locust	6	14.67	4.17
Crimson Spire Oak	5	3.00	2.00
London Plane sycamore	5	15.20	3.00
English Walnut	4	25.00	4.50
Shumard Oak	4	6.75	2.00
Zelkova	4	14.50	3.00
Alder	4	17.50	4.50
Valley Oak	3	48.00	3.33
Coast Redwood	3	18.67	2.00
October Glory maple	3	2.00	2.00
Privet	3	5.33	2.67
Birch	2	10.00	4.50
Rocky Mt. maple	2	3.00	3.00
European Hornbeam	2	14.50	3.00
Calif. Sycamore	2	18.00	3.00
Italian Cypress	2	12.00	3.00
Autumn Purple ash	1	4.00	2.00
Raywood Ash	1	4.00	2.00
Ponderosa Pine	1	2.00	1.00
Gray Pine	1	58.00	3.00
Incense Cedar	1	22.00	5.00
Sawtooth Oak	1	4.00	3.00
Paulownia	1	8.00	2.00
Scarlet Oak	1	5.00	2.00
Fig	1	4.00	3.00
Green Ash	1	8.00	2.00
Cork Oak	1	35.00	4.00
Grand Total	250	17.49	3.42

Table 5. Estimate of Costs Associated Recommended Action and Current Status.

Recommended Action	Number (n)	Average DBH	Est. Unit Price	Est. Cost
Remove	81	24.53	\$ 500	\$ 40,500
Elevate	64	13.67	\$ 150	\$ 9,600
Formative	53	3.60	\$ 45	\$ 2,385
Reduce	36	26.97	\$ 350	\$ 12,600
Plant	29	0.00	\$ 250	\$ 7,250
Clean	6	21.67	\$ 250	\$ 1,500
Stump	4	28.00	\$ 250	\$ 1,000
Water	3	8.33	\$ 50	\$ 150

Thin	3	13.00	\$ 150	\$ 450
	279			\$ 75,435

Just a few notable observations:

- Occupancy in all samples were greater than 85% in all areas and the mean occupancy was 89% (11 % of the locations provide planting opportunities).
- The sample size is small for evaluating the trees with the best vigor, but smaller (presumably younger) trees occupy most of the positions (Table 3). The poorest performers include trees that are drought sensitive (alder and birch) or larger, presumably mature trees (black and English walnut, cork oak, etc.). Silver maple falls into both categories. The larger trees are of the most concern from a safety standpoint. Black Walnut occurs in zones 5, 6, and 7.
- The distribution shows the number in each category, another way to view it is that staff observed 106 (42%) of the trees in poor or worse condition, while 144 (58%) of the trees were in fair or better condition.
- The sample reveals a wide diversity of trees (39) in the areas sampled (Table 4).
- Utilizing the recommended action for each tree and the average dbh, we applied the current rates for individual trees under the pruning contract (Table 5). In other words, if a tree required formative pruning this applies the rate as if each tree was independent. Now this is a somewhat artificial assumption, because staff tries to bundle the individual tree work as much as possible, but it does allow some comparison of strategies. The alternative is to estimate an hourly rate to care for the 20 trees. For example, Sample 12 contains 13 trees that require formative pruning. This is work that likely can be completed at ground level with pruners, vs Sample 3 which has 11 removals that will likely require a boom truck and backhoe to remove the stump.
- Formative pruning has the lowest per unit cost and is the 3 most frequent recommended action. As current problems with the structure of small trees will translate into larger problems that require more intensive pruning and potentially limb or trunk failures (at a much higher cost). Formative pruning is the most cost effective action on the list.
- The estimate of costs (Table 5) are not the full costs, for example, tree removal (\$500) does not include planting (\$250).

A. Uncertainty

We should note some key limitations with this study. We caution against extrapolating this to the entire City as the samples represent less than 0.8% of the City's trees, we did not assess the sufficiency of the sample size to represent the City. Trees provide numerous benefits and we do not attempt to assess the benefits that trees provide the City associated with trees. An increased number of trees with structural problems will result in increased risk of failure and limb drop; the rate of failure and costs associated with this situation was not estimated. These data may lend themselves to a scenario forecasting (developing estimates of tree "graduating" to other required work over time), but staff did no further analysis in that area. Finally, while the cost per tree are standard, the estimates for the per block approach are based on a staff estimate of the work required in that area. These more subjective estimates are based on professional knowledge and knowledge of the street, situation, and logistics. Still, they likely provide an order of magnitude estimate.

Discussion/Conclusion

Long-term symptoms of drought include dieback of branches and death of the plant as the plant's capacity to absorb water is damaged. Secondary effects include susceptibility to disease and insect invasion. While the connection between drought and disease are often difficult, certain conditions (root rot, cankers, wood rot, bark beetles, etc.) are more likely to occur because of drought related stress.

Perhaps most surprising was the depressed state of the trees with over 40% of the sampled trees in poor condition. As recent winters have been very mild, staff have concern that the predicted El Nino may result in the potential for roadway impacts as storms would knock down weakened branches and trees. These may result in additional emergency costs and increased City liability claims associated with damage after these events.

While it may seem obvious to many observers that deferred pruning will result in additional costs over the long-term, quantitative studies and estimates are lacking. Ryder and Moore (2013) examined 5 street tree species and compared formative pruning when the tree is young to waiting 20 years for a structural pruning. The researchers found that over 75 % exhibited structural defects at 20 years if they did not

receive formative pruning. They also determined that formative pruning cost 10 times less than the structural pruning. Furthermore a cycle is created where the unpruned tree impacts other trees nearby, poor trees are removed and replanted. The authors conclude that all young trees should be pruned on a cycle of 2-4 years at least 2-3 times when young to provide a strong structural framework that will reduce work in the future (Ryder and Moore, 2013). Prior to staffing cuts, the crew completed formative pruning on 1364 trees in the first 6 months of 2013, in comparison, the City completed 178 in 2014.

In Fiscal Year 2014-2015, the City allocated approximately \$237,000 for tree pruning and removals (1 senior maintenance worker \$87K and \$150 K for contractual maintenance). While there are many caveats with extrapolating these data, the estimates above suggest that the cost to remedy the backlog on City street trees is approximately \$270 per tree. Multiplying this value by the estimated total number of trees (37,300 excluding Bidwell Park and other City properties) and accounting for a 5 year pruning cycle amounts to a budget of approximately \$2 million. Note that this is a very crude estimate and there may be some economies of scale associated with adequate staffing levels and coordination with the contractors on linking projects together.

A. Recommended Actions:

1. Maintain focus of current work on emergency and service requests.
2. Identify priority areas or corridors that would benefit from proactively pruning to address the larger trees that may pose a hazard (pruning more systematically rather than as issues are brought to our attention). While the budget may be limited, staff feels it important (and cost effective) that some funds are expended on the most important corridors to minimize impacts during storm events.
3. Survey the larger trees such as Black Walnut in zones 5, 6, and 7 for potential problems and remedies (many of these were annexed by the City in the last 5 to 10 years and have not evaluated since then).
4. There are some current measures that will save the City money in the long run: Invest in formative pruning to reduce future costs of maintenance and should be incorporated into strategies to reduce future costs. To maximize the “bang for the buck”, the City should focus on cohorts (i.e. formative prune in neighborhoods with trees planted at the same time) for cost efficiencies. The tree database suggests that over 10,000 trees fall into the smaller DBH classes (these likely include smaller trees and not necessarily younger trees but it provides a ball-park figure). Following the recommendations from Ryder and Moore, these should be pruned at a rate of 2500 annually.
5. Investigate methods to update tree database on a regular basis and add trees during the development process.
6. Explore the use of Maintenance District funds to complete tree work. This is hampered by the different rules that govern each one and many of them do not include tree work. Currently, the City of Chico has over a hundred maintenance districts (in contrast, Sacramento has 1 overall district that covers the entire City (and 30 enhanced service districts).

References

C.M. Ryder and G.M. Moore. 2013. The Arboricultural and Economic Benefits of Formative Pruning Street Trees. *Arboriculture & Urban Forestry* 2013. 39(1): 17–24.

Attachments:

- A) Data collection form. Chico Parks and Street Tree Division – Tree form.

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7/22/2015