

Billings Crime Map

Map by **CRIMEMAPPING™**.com

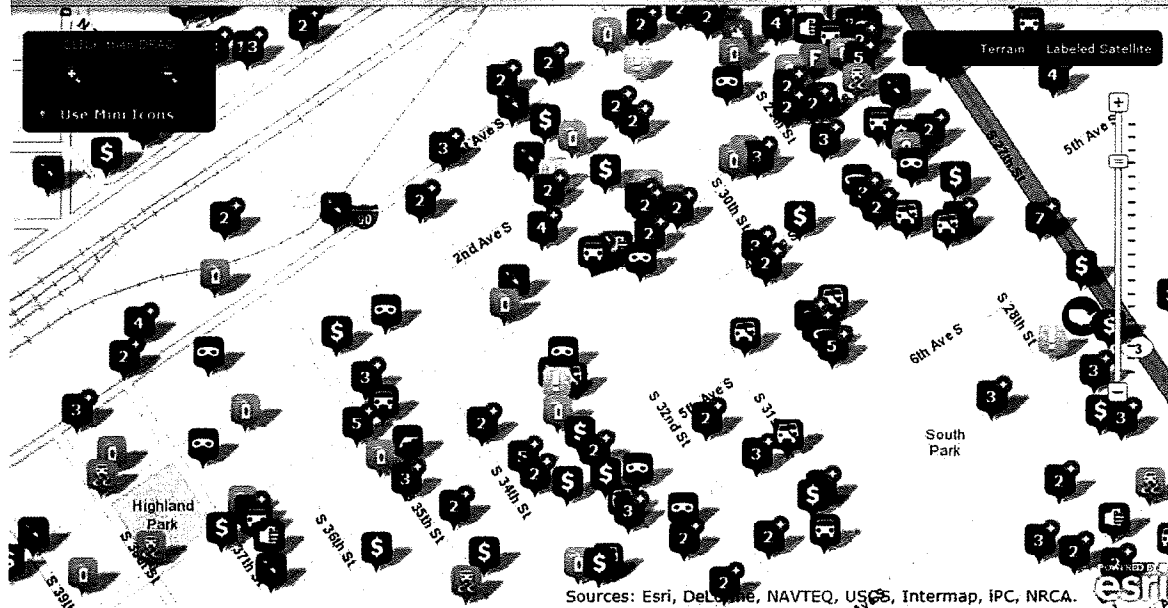
Crime Types | **Dates** | **Address** | **Agencies** | Version 5.4.1a

First, select a starting date "From" and an end date "To". Then, click **Apply** or collapse the tab.

Reset Dates

FROM: 04/26/2012 **TO:** 10/23/2012 **Apply**
 Thursday, 26 April, 2012 Tuesday, 23 October, 2012

326 crimes between 4/26/2012 - 10/23/2012



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCA.



Map Created: 3/25/10
 By: DARC, Fred Dicks
 Data Collected by:
 Stan Quayle & Libby Proetta
 Projection: NAD 83

Community Forestry Consultants

COMMUNITY FORESTRY CONSULTANTS, INC.
2020 E. 36TH AVENUE
SPOKANE, WA 99203
509-954-6454
509-534-2019 (FAX)
cfconsults@comcast.net

TreeWorks™ for ArcGIS 10

QUOTE FOR CITY OF BILLINGS MONTANA

TREEWORKS TREE MANAGEMENT SOFTWARE

TreeWorks Professional GIS Tree Management Software \$7,000.00

Designed to develop and report tree inventories and to manage associated work.

Cost Breakdown:

- a. TreeWorks Professional: \$7000.00 1st Seat
\$3000.00 2nd Seat (Option)
\$1000.00 Each Additional Seat (Option)
- b. Optional training and installation: \$2000.00 per day (does not include travel and lodging)
- c. Maintenance support: Included in the purchase price for the first year (includes unlimited phone support and software upgrade subscription for one year from date of installation); \$650.00 per year after first year.

Functions included:

Ability to collect all fields described in the RFP plus the following features.

Tree appraisals	Tree inventory with maintenance tasks
Map development	Inventory reports
Service requests	Work order development work management
Query functionality	

Additional options and costs:

*ArcView 10.x: \$1270.00

*ArcPad 10.0: \$800.00 *ArcView and ArcPad are required to run TreeWorks.

Appendix D

Hi Fred.

The subscription is \$2,100 per year. There will be some additional setup costs and training costs that we'd want to negotiate with you as well. I'd be able to firm up those costs after we do a proper demonstration and learn what you would need.

Let me know when you are ready and we'll take it to the next level!

Thanks,

Ian.

Ian Scott

www.daveyresourcegroup.com

From: Bicha, Fred [<mailto:bichaf@ci.billings.mt.us>]
Sent: Tuesday, August 21, 2012 7:06 AM
To: Scott, Ian
Subject: RE: Davey TreeKeeper

Thanks Ian,

For sure good times!

When things slow back down I'll go over with my boss, look at the website demo, and see about a follow-up. Could I get a price quote on the software and follow-up cost?

fred

From: Scott, Ian [<mailto:Ian.Scott@davey.com>]
Sent: Monday, August 20, 2012 1:58 PM
To: Bicha, Fred
Subject: Davey TreeKeeper

Hi Fred.

It was great to see you last week in Portland. Good times for sure.

I'd be happy to follow-up with you regarding TreeKeeper, canopy surveys and other ways we can help you meet your urban forestry program goals. Let me know when you'd like to see a TreeKeeper webinar and I can set something up.

In the mean time, go to:

www.daveytreekeeper.com

...then click on the demo link and you should get to the site.

Have fun with it!

Ian.

Ian Scott

Project Developer

Davey Resource Group

206-714-3147

www.daveyresourcegroup.com



Appendix D

Nursery Price Example

Clifty View Nursery- Bonners ferry, ID

QUERCUS BOREALIS

Northern Red Oak

1-1.5 in. 35.25 45.00 -----

1.5-2 in. ----- 59.25 80.50

QUERCUS MACROCARPA

Bur Oak

1-1.5 in. 35.25 45.00 -----

1.5-2 in. ----- 59.25 80.50

2-2.5 in. ----- 70.00 99.25

SYRINGA RETICULATA

Japanese Tree Lilac

1-1.5 in. 35.75 45.00 -----

1.5-2 in. ----- 54.75 75.25

2-2.5 in. ----- 69.50 99.25

TILIA CORDATA 'GREENSPIRE'

Littleleaf Linden

2-2.5 in. ----- 88.50 110.50

2.5-3 in. ----- 96.75 120.50

3-3.5 in. ----- 115.00 130.00

TILIA X. FLAVESCENS 'DROPMORE'

Dropmore Linden

2-2.5 in. ----- 88.50 110.50

2.5-3 in. ----- 96.75 120.50

Schmidt Nursery, OR

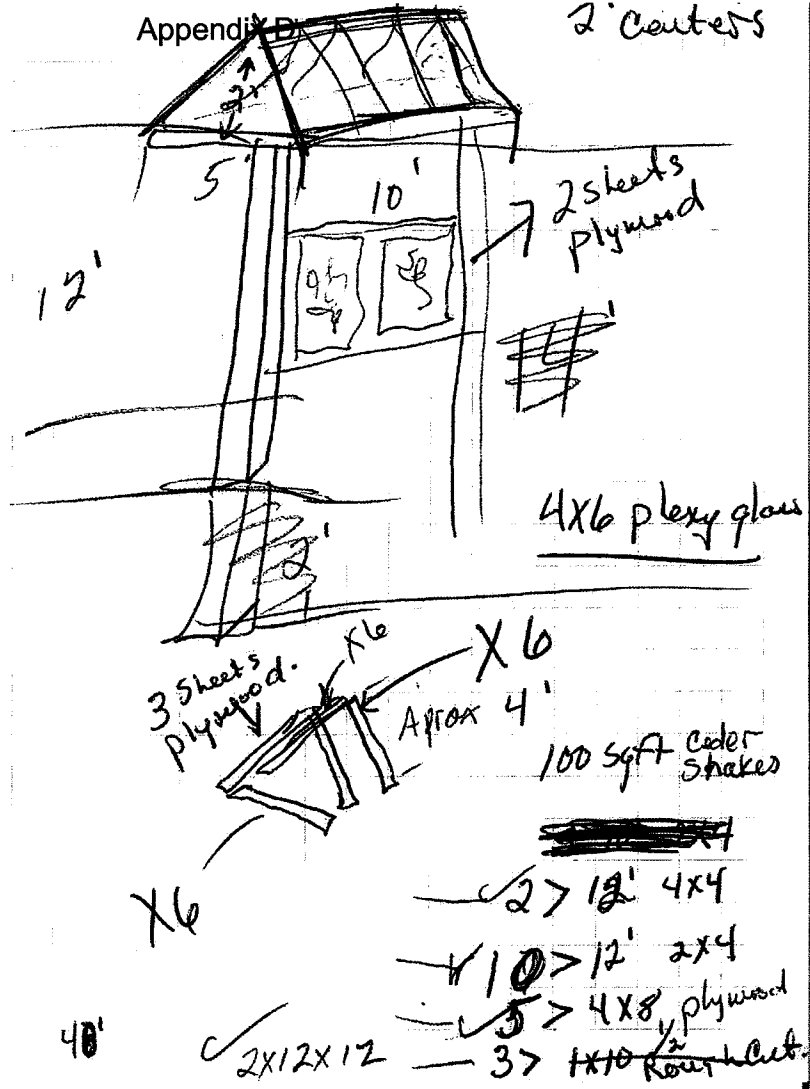
<http://www.jfschmidt.com/rg/index.html>

Glacier Nursery, MT

<http://www.glaciernursery.com/>

Apple Creek Propagators

<http://www.applecreekpropagators.com/>



40'

- 3 sheets plywood
- X6
- Approx 4'
- X6
- 100 sqft cedar shakes
- ~~2x12x12~~
- 2 > 12' 4x4
- 1 > 12' 2x4
- 5 > 4x8 plywood
- 3 > 1x10 Round cut

Display Design and Cost Estimate

Home Depot.

12' 2x4	\$8.77 ea	> 88 ⁰⁰
12' 4x4	\$20.97 ea	> 42 ⁰⁰
4x8 15/32 treated plywood	\$38.97 ea	> 195 ⁰⁰
12' 2x12	\$15.97 ea	> 48 ⁰⁰
Roofing Mat	Approx \$50 ⁰⁰	> \$50 ⁰⁰
Plexy Glass	approx \$20 ⁰⁰	\$20 ⁰⁰
Concrete + hardware	Approx \$75 ⁰⁰	\$75 ⁰⁰
		\$1,800 ⁰⁰

Appendix E

BUDGET CALCULATION FORM

PROJECT EXPENSES	QUANTITY/HOURLY RATE OR PIECE RATE	GRANT FUNDS REQUESTED (A)*	APPLICANT CASH MATCH (B)	\$ VALUE OF DONATED AND IN- KIND (C)	TOTAL A + B + C
PERSONNEL EXPENSES (SALARIES/WAGES/BENEFITS)					
<i>*Requested grant funds cannot be used for regular personnel costs of city/town employees. However, forestry student interns or summer forestry apprentice costs can be included as grant funds.</i>					
City Forester administration of project	120 hrs x \$30/hr			\$3,600.00	\$3,600.00
Parks seasonal staff to help with planting	3 peps x 16 hrs x \$10/hr			\$480.00	\$480.00
Park Maintenance staff to build and put up displays	16hrs x \$25/hr			\$400.00	\$400.00
Volunteers to plant trees	100 vol, 6 hrs x \$10/hr			\$6,000.00	\$6,000.00
TOTAL PERSONNEL EXPENSES				\$10,480.00	\$10,480.00
OPERATING EXPENDITURES (TRAVEL, SUPPLIES, RENTALS, ETC.)					
Tree Works TM	Professional	\$7,000.00			\$7000.00
Arc Pad	Software	\$665.00			\$665.00
100 Trees @ wholesale cost	100 trees x \$80/piece whole sale	4,000.00	\$4000.00		\$8,000.00
Stakes	2 stakes/tree x \$4/stake		\$800.00		\$800.00
Tree straps	2 strap/tree x \$1/strap			\$200.00	\$200.00
Mulch	\$3/tree x 100			\$300.00	\$300.00
Materials for displays	2 displays x \$518.00	\$518.00	\$518.00		\$1,036.00
Postage, printing and mailing supplies				\$200.00	\$200.00
Printing large maps & laminating	2 maps and laminating		\$100.00		\$100.00
TOTAL OPERATING EXPENSES		\$12,183.00	\$5,418.00	\$700.00	\$18,301.00
CONTRACTED PROFESSIONAL SERVICES (NEEDS PRIOR APPROVAL)					
Community Forestry Consulting	Converting i-tree data to TW	\$597.00	\$1403.00		\$2,000.00
TOTAL CONTRACTED SERVICES		\$597.00	\$1,403.00		\$2,000.00
TOTAL PROJECT EXPENDITURES		\$12,780.00	\$6,821.00	\$11,180.00	\$30,781.00

IMPORTANT NOTE: UPON REQUESTING REIMBURSEMENT, ALL EXPENDITURES (INCLUDING CASH, DONATIONS AND IN-KIND CONTRIBUTIONS TO BE APPLIED TO 100% MATCH) MUST BE SUBSTANTIATED WITH PROOF OF PAYMENT.

Appendix E

From: [Bicha, Fred](#)
To: [Kirby, Jamie](#)
Cc: [Palm, Lorie](#)
Subject: RE: Billings Program Development Grant
Date: Tuesday, November 13, 2012 9:37:26 AM
Attachments: [image001.png](#)
[2013 Billings PD Grant revised calculation sheet.docx](#)

Hi Jamie & Lorie,

Thank you for the Program development grant. Attached is a modified budget sheet. Trees have been reduced from 150 to 100 to meet the \$4k reduction in funding. In order to reduce another \$662.00 one of the three displays was dropped.

Thank you,



Fred Bicha

City Forester/Natural Resource Supervisor
Billings Parks, Recreation and Public Lands
390 N 23rd Street
Billings, MT 59101

406-237-6227 office
406-698-7343 cell

Email: bichaf@ci.billings.mt.us

Web: www.prpl.info

Face Book: www.facebook.com/BillingsParksandRecreation

From: Kirby, Jamie [<mailto:jamielkirby@mt.gov>]
Sent: Thursday, November 08, 2012 11:39 AM
To: Bicha, Fred
Cc: Palm, Lorie
Subject: Billings Program Development Grant

Dear Mr. Bicha,

The selection committee has tentatively approved Billings UCF program development grant proposal.

The committee agreed to fund **\$12,780.00** of your project. In order to proceed with the grant awarding, the following budget modifications are necessary:

- 1) There was a discrepancy between the amount requested on your cover page (\$16,782.50) and your budget sheet (\$17,442.00). Due to this error we were working from the amount

Appendix E

on your cover page, \$16,782.50.

- 2) The tree planting amount was reduced from \$8,000 to \$4,000
- 3) This leaves \$662 to cut from your budget calculation form. Please find the best way to make this additional reduction.

Please submit a revised budget calculation form reflecting these modifications. If you can respond to or acknowledge these items by November 30th, we would appreciate it. If you have any questions feel free to contact me.

Thanks, and congratulations on a well-written proposal.

Jamie Kirby

Montana DNRC

Urban & Community Forestry

Phone: 406-542-4288

Email: jamielkirby@mt.gov

Appendix F

Additional Requirements to Proposal

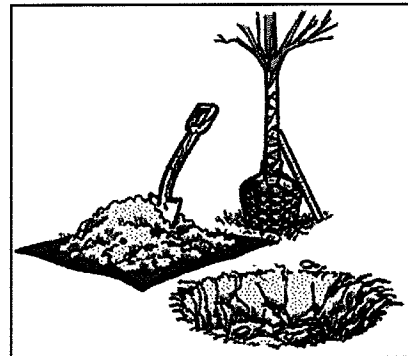
In addition to the specifications provided in Appendices "D" and "E", Grant Agreement Number UCF-13-101 submitted by City of Billings Federal Tax Identification Number 81-6001237 the following must be completed:

- 1) Tree planting specifications - Part (A)
- 2) Final Work Inspection Form -Part (B)

Part (A) – Tree Planting

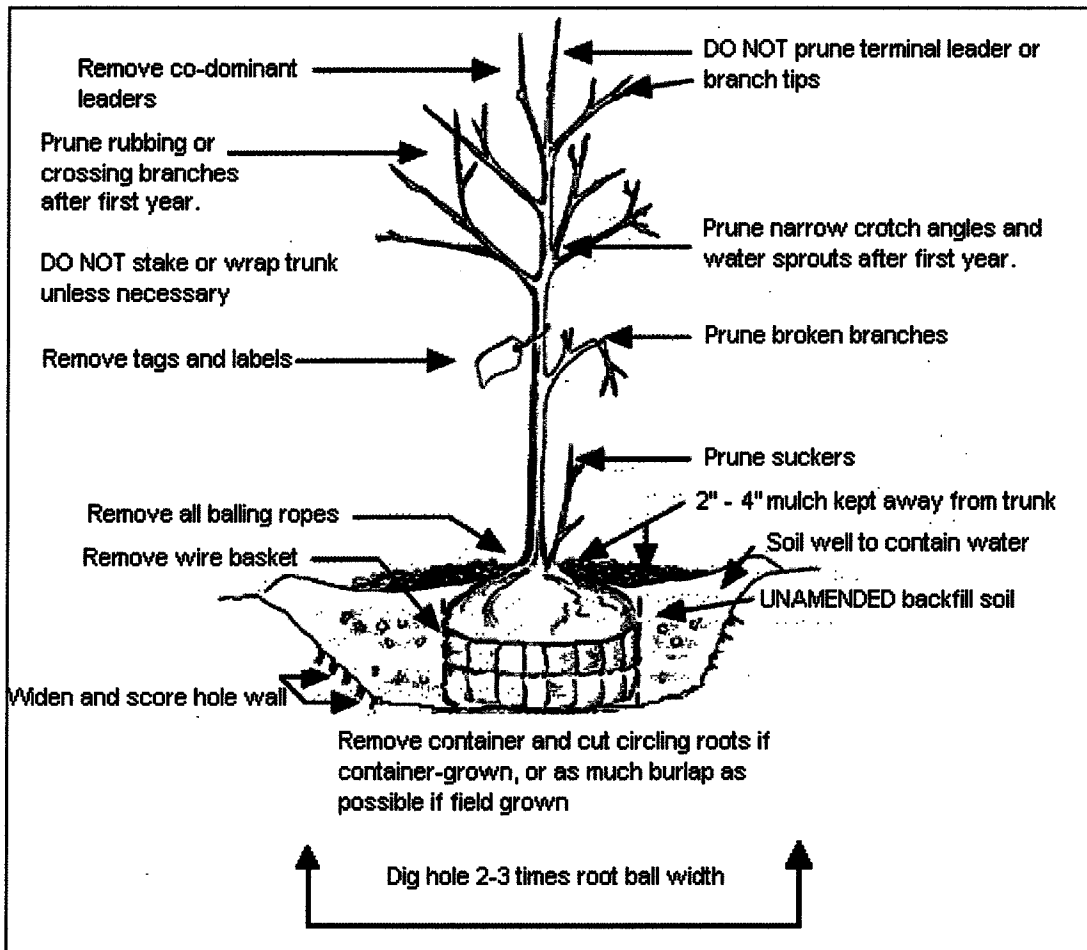
All tree planting projects must follow the specifications given here:

- **Time of Year** - The ideal time to plant a tree is when it is in a dormant condition, either in early spring before bud-break, or in the fall, after leaves have dropped. Weather conditions at these times are generally cool, and allow plants to establish new roots prior to having to endure the hot, dry conditions of summer.
- **Location** – Consider site restrictions (such as available growing space, soil type, pavement, overhead or underground utilities, etc.) Visualize what this tree will look like in 20 years. Before you begin planting your tree, be sure you have had all underground utilities located prior to digging the hole. Call your local utility services at least 2 days prior to digging. (Usually 1-800-424-5555 in MT)
- **Tree selection** –Carefully inspect trees and only purchase those that have a strong stem and no physical damage. Avoid trees with circling roots, severe pruning cuts, dead bark or signs of insects and disease.
- **Site preparation** – Dig a space approximately three times the diameter of the root ball, and only as deep as the root ball. Amending soil is not necessary unless planting in disturbed sites or poor soil quality. Break up compacted soil on sides of the hole, and leave bottom firm.
- **Tree preparation** – 1) Identify trunk flare - The trunk flare is the part of the trunk where the roots spread out at the base of the tree. This point should be visible after the tree has been planted. If the trunk flare is not visible, you may have to remove some soil from the top of the root ball prior to planting the tree. 2) Cut away strings and burlap or plastic from around the trunk. If tree is container grown, cut and remove container.
- **Tree placement** – Lift tree into planting space by the root ball, not the trunk. Ensure tree is at proper depth and never plant too deep. Trunk flare and top of root ball should be at grade. Balance tree upright at center of planting space. Pull back burlap as much as possible without removing soil from the root ball.
- **Fill with soil** – Fill the hole while watering, periodically pausing to gently tamp base, to ensure the tree is firmly setting in the planting space. Finish filling soil just below the trunk flare.
- **Mulch** – Mulch lightly and evenly with about 2 inches of organic material such as wood chips or similar composted material. Leave a 3-inch layer of bare soil around the trunk.
- **Only stake if necessary** - Trees will establish more quickly and develop stronger trunk and root systems if they are not staked at the time of planting. However, protective staking may be required on sites where equipment damage, vandalism or windy conditions are concerns. A wide, flexible tying material should be used to avoid injuring trunk and allow the tree to move or sway. Staking and ties should be removed after one year.
- **After Care** – Do not fertilize at planting time. Water regularly throughout the first growing season (about once a week unless significant rainfall is received), but do not overwater. Keep lawn mowers and string trimmers away from tree to avoid wounding bark. Only prune dead or injured branches at time of planting. Do not plant flowers or cultivate soil directly under tree.



Appendix F

- **Long term maintenance** – Have a 3-year annual inspection program to replace mulch, provide small tree training (light pruning cuts), and check for signs of stress, insects, disease, or vandalism. Keep trunk area free and clear of weeds and other competing vegetation.



Part (B) – Project Inspection Form

Once The Grant Project is completed, the Grantee must contact the DNRC regional urban forester to schedule a final project inspection. The inspection will verify that all required work has been completed and performed in accordance with state and program specifications. The Project Inspection Form must be completed by the DNRC regional urban forester or duly designated DNRC representative. Upon completion and submittal of the Project Inspection Form, a final payment of grant agreement funds, including any funds that may have been withheld from earlier payment requests, is made to the Grantee. If the project is not inspected and approved by the DNRC regional urban forester, or deficiencies are found during inspection and not corrected, funds may be withheld from the Grantee. Please follow this link for your regional urban forester contact information:

<http://dnrc.mt.gov/forestry/Personnel/div/urbanpersonnel.asp>