TOWN OF GRAND LAKE
BOARD OF TRUSTEES – WORKSHOP

Monday June 10th, 2019 5PM – Grand Lake Town Hall

Statement of Purpose: Workshops are held in the afternoon prior to each regular Board of Trustees meeting. Workshops are conducted:
1. To ensure that the Board members have adequate information and background to make informed decisions on various agenda items.
2. To provide the Trustees with a forum to frame emerging issues and to discuss potential alternatives to address these issues.
3. To learn about important events affecting the Town and to provide a chance for citizens to bring "for your information" items to the Trustees.
4. To make efficient and effective use of citizens' time at Board meetings but allow citizens time to make their comments known in a recorded evening meeting.

Please turn cell phones off during the meeting. Be respectful and take personal conversations outside.

CALL TO ORDER

ROLL CALL

CONFLICTS OF INTEREST

DELEGATIONS
1. Joshua Bozsan; Rocky Mountain Residential – Bicycle Rack Installation Location (Page A2)
2. Kevin Ratzmann; Grand Lake Fire Chief – Fire House Exterior Color Selection (Page A8)

TOWN MANAGER UPDATE (Page A16)

DISCUSSIONS

TRUSTEE GENERATED TOPICS
1. Trustee Weydert – Streetscape, internet contacts & connections, building permits, event centers – vs- vrbo

BOARD ACTION ITEMS FOR EVENING MEETING
1. Consideration to recommend granting exemption in the form of an appeal to Municipal Code section 10-1-6(B) – Water Service Lines – to 1) allow for two or more continuous units owned by the same person to be exempted from individual service connections and 2) accept a Plant Investment Fee payment for a 1 ½ -inch meter for Phase I of the Project for property located at 15500 US HWY 34, Town of Grand Lake
2. Consideration to approve the Development Improvements Agreement in connection with property located at 15500 U.S. HWY 34, Town of Grand Lake

FYI TOPICS
1. Arts Market Survey Launch Party (Thursday, June 27th from 2:00 PM to 4:00 PM – Community House and Heckert Pavilion) Informational
2. Grand Lake Lodge, Special Use Permit from National Park Service (Page A31)
3. Founders Day Celebration June 23rd, 2019 from 5:00 – 7:00 PM at Grand Lake Center (Page A35)
4. Grand County High Water Information Guide (Page A36)

*This meeting is open to the public and public input will be welcomed*

*items attached to workshop agenda  #items attached to evening agenda
TOWN OF GRAND LAKE
RIGHT OF WAY PERMIT

This permit must be obtained at least seven (7) days prior to the planned start of construction
unless it is determined (by the Town of Grand Lake) a bona fide emergency.

Name of property owner requesting permit: 

Contact Phone number: 970-627-3435  E-mail: GLPLANNING@TOWNOFGRANDLAKE.COM

Name of Excavator: 

Address: 50 COUNTY ROAD 444, GRAND LAKE CO 80447

Telephone: 970-724-4111  Cell Phone: 303-999-9483

Location of Work: 

Scheduled Start Date: May 21, 19  Scheduled Completion Date: June 14th, 19

Briefly describe the work to be done: 

INSTALL BIKE RACKS

Water Tap fee paid, if applicable? YES  NO  N/A

Utility locate scheduled or completed? YES  NO  Date scheduled: TBD

Utility locate identification number:

Estimated Cost of Repair (including R.O.W Restoration): No Cost

Please attach:

1. A copy of the 2 year bond in the amount equal to 115% of the cost estimate for repair of
   the right of way area to its original condition.
2. A copy of your general liability insurance with a minimum amount of $1,000,000.00 of
   insurance naming the Town of Grand Lake as an additional insured.

PLEASE READ THE FOLLOWING BEFORE SIGNING THIS PERMIT:

By applying for this permit, I hereby understand and agree that I am responsible for repairing the Town of
Grand Lake's rights-of-ways according to the Town's specifications (See Project Requirements sheet). I
further understand and agree that my failure to comply with the Town's specifications and other
requirements of the Municipal Code may be sufficient cause to forfeit the collateral posted with the
Town. I agree to perform the work according to the plans, specifications and work schedule submitted,
and agree that any modification to the plan, specifications, or work schedule must be pre-approved by the
Town. I also agree to comply with Municipal Code Chapter 11: Municipal Property Regulations which
is available online for public viewing at www.townofgrandlake.com or at Town Hall.

Applicant Signature:  

Date: 5/6/19

Printed Name: JOSHUA BOZSAN
Hi Nate -

Here you go as promised. Attached are the location pins on Google Maps. Also attached is the right of way permit application. The concrete pads will be approximately 4' x 8' with 4 U racks in a diagonal offset pattern utilizing the design we discussed. We will be incurring all costs and the Town of Grand Lake will not be invoiced or responsible for any portion. I emailed my insurance company for an Acord with the Town listed as the covered party. I will forward it when they send it to me tomorrow. Thanks again for allowing us the opportunity to give to our community. These will hopefully be a beautiful addition to the town for quite some time to come!

- Joshua Bozsan
President/Founder, Rocky Mountain Residential

ROCKY MOUNTAIN RESIDENTIAL
Full Service Construction, Property Management, and Cleaning
970-724-4111
rockymountainresidential.com
**CERTIFICATE OF LIABILITY INSURANCE**

**PRODUCER**
Town and Country Insurance, Inc. - Kremmling
P.O. Box 1080
1116 E. Park Ave.
Kremmling, CO 80459

**INSURED**
Rocky Mountain Residential, LLC / Jason Bozsan
50 County Road 444
Grand Lake, CO 80447

**CONTACT**
Valerie Stagner
PHONE: (970) 724-0506
FAX: (970) 724-0507
ADDRESS: valerie.stagner@tcins.net

**INSCRIBER(S) AFFORDING COVERAGE**

<table>
<thead>
<tr>
<th>INSCRIBER A</th>
<th>Liberty Mutual</th>
<th>23043</th>
</tr>
</thead>
</table>

**COVERAGE**

<table>
<thead>
<tr>
<th>TYPE OF INSURANCE</th>
<th>LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong> COMMERCIAL GENERAL LIABILITY</td>
<td></td>
</tr>
<tr>
<td>ogy CLAIMS-MADE X OCCUR</td>
<td></td>
</tr>
<tr>
<td>C EN A GREGATE LIMI APPLIES PER</td>
<td></td>
</tr>
<tr>
<td>POLICY XXXXX 2019</td>
<td></td>
</tr>
<tr>
<td>OTHER</td>
<td></td>
</tr>
</tbody>
</table>

| AUTO Mobile LIABILITY | | |
|-----------------------|--------|
|ANY AUTO OWNED | | |
|SCHEDULED AUTOS | | |
|HIRED AUTOS | | |
|NON-OWNED AUTOS ONLY | | |

| UMBRELLA LIAB | OCCUR | | |
|EXCESS LIAB | CLAIMS-MADE | | |
|OED | RETENTION $ | | |

| WORKERS COMPENSATION AND EMPLOYER'S LIABILITY | | |
|ANY PROPRIETOR/OWNER/EXECUTIVE OFFICE OR OTHER EXCLUDED (Mandatory in NH) | | |
|VIN | N/A | | |
|DESCRIPTION OF OPERATIONS BELOW | | |

<table>
<thead>
<tr>
<th>CERTIFICATE HOLDER</th>
<th>CANCELLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town of Grand Lake</td>
<td>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF? NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</td>
</tr>
<tr>
<td>1026 Park Avenue</td>
<td>AUTHORIZED REPRESENTATIVE</td>
</tr>
<tr>
<td>PO Box 99</td>
<td>Valerie Stagner</td>
</tr>
<tr>
<td>Grand Lake, CO 80447</td>
<td></td>
</tr>
</tbody>
</table>

ACORD 25 (2016/03) © 1988-2015 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD
This is the color that was chosen and approved by the city planner.

This is the color that was applied to the GLFPD building.
City Planner will sign next to the color that is approved for the painting of the Grand Lake Fire Protection District Station:

- Bay doors and surrounding trim.
- Man doors and surrounding trim.

This is Firebrick red with the appropriate color code:

```
B222222
```

```
178 34 34
```

This is Fire Engine Red with the appropriate color code:

```
CE2029
```

```
206 32 41
```
Federal Standard with the appropriate color code:

<table>
<thead>
<tr>
<th>Print Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sign:</td>
</tr>
<tr>
<td>Date:</td>
</tr>
</tbody>
</table>

Dakota with the appropriate color code:

<table>
<thead>
<tr>
<th>Print Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sign:</td>
</tr>
<tr>
<td>Date:</td>
</tr>
</tbody>
</table>
Chart 1 - Exterior Color Comparison
SUMMARY OF REQUEST TO TOWN OF GRAND LAKE IN REGARDS TO APPLICATION FOR A GRANT FOR RESTORATION OF THE NORTH FORK OF THE COLORADO RIVER

The North Fork of the Colorado River has been identified in reports produced by the Northern Colorado Water Conservation District as a major contributor to the particulate and nutrient loading in Shadow Mountain Reservoir (SMR). This loading is a source of the water quality problems observed in SMR and Grand Lake which results in the algal blooms and greening of these waters in the summer. The problem arises from both natural and anthropogenic processes that are exacerbated by damage or destruction of riparian habitat and erosion. Without action that improves these conditions, the problems will continue and are likely to get worse over time.

In April, the Upper Colorado River Watershed Group partnered with the Town of Grand Lake, after approval by the Town Board, to request funds from Grand County’s Open Lands, Rivers, and Trails (OLRT) program, also referred to as the 1A program to request funds to produce a Nine Elements Plan for the North Fork. Such a plan is required by the Colorado Department of Public Health and Environment to obtain the kind of funds which can be used to restore the riparian habitats along the river to alleviate and mitigate the sources of the particulates and nutrients contributing to the problem. Successful restoration of the riparian habitat would be expected to help reduce the algal blooms in SMR and Grand Lake and result in better water quality and a much improved recreation experience upon which the Town’s economy relies.

The 1A Board chose to delay funding of the grant with the proviso that the applicant (i.e. Town of Grand Lake and UCRWG) should investigate additional sources of funding with the Colorado Water Conservation Board through their stream management plan program. The 1A Board also felt that there needed to be some form of direct support from the Town to show a commitment to the project.

Subsequent to this decision, UCRWG has been collaborating with Paul Bruchez, the chair of the 1A Board and who is also a member of the Colorado River Basin Initiative. Mr. Bruchez has intervened on behalf of the proposed grant and begun negotiations with the Colorado River District and the Colorado Water Conservation Board (CWCB) to institute a process that will provide access to grant money to conduct the proposed project. In line with the requirements of these funding groups, the funders are requesting that the Town provide some form of a matching contribution to go along with the grant funds received from CWCB and/or 1A funds.

As it now stands, UCRWG will make a presentation to the Colorado River District Board in late June outlining our proposal. Upon their approval, the River District will forward the grant request to the CWCB in July for their review and approval. Assuming agreement from the CWCB, the grant award will be made in November with funds being dispersed in January 2020. Work on the project would begin at that time.

At this time, UCRWG is requesting that the commitment of the Town to the project would be equivalent to $2000. The total project will be approximately $50,000 in cash and in kind services. Given the timing of the project, it is proposed that the commitment be made such that it would be included in the Town’s 2020 budget. Alternatively, it is requested that the Town
commit to provide in kind services in the amount of $2000 that could be provided, for example, wherein the Town would act as the fiscal agent and disburse funds under the grant.

Thank you for your support and UCRWG would be willing to address any issues or concerns at the Town Board sessions on June 10.
Date: Monday, June 10, 2019
To: Mayor Peterson and Town Trustees
From: Jim White, Town Manager
RE: Town Manager’s Report

2019 Project Goals
- West Portal Bridge Project Completion
- Streetscape/ Phase 3/ Park Avenue
- Welcome Middle Park Health Clinic to the Grand Lake Center
- East Inlet Improvements/Aquatic Nuisance Species Efforts

1. **West Portal Bridge Project**
   “Let’s Go Build a Bridge”. We restarted the progress on the bridge the first week of April with mobilization and removal of snow on the bridge accesses. Structures, Inc. is our contractor on the job. We began our weekly planning meetings on Tuesday, March 26, 2019. The metal decking was installed the week of April 22-26, 2019. With the recent inclement weather, and resulting unanticipated construction delays, the deck pour was finally completed on Saturday, June 1, 2019. The pedestrian pathway will be poured soon. While the deck is curing, the approaches to the bridge will be prepared and then poured. An asphalt overlay will then be applied to the entire surface. Towards the end of the project, wooden arches, similar to those on our other two bridges, will be constructed (SEE ATTACHED PHOTOS).

2. **Streetscape Request for Proposal/Revised**
   NV5 Engineering’s representatives are geared up for our project. We have scheduled a Public Meeting on Thursday, June 6, 2019 beginning at 5pm in the Town Hall Board Room to review current plans for Phase 3 of the Streetscape Project. By the time of the meeting, we hope to be reviewing 30-50% drawings in anticipation of getting the bid out in June, 2019.

3. **Middle Park Health Clinic**
   Progress continues at the Grand Lake Center on the transition plan for the Middle Park Health Clinic. Construction continues now on a daily basis. The drywall team finished up and most of the newly constructed portion is now painted. In some areas, a second coat may be required. The Clinic is planning to **open for business** on Monday, June 17, 2019 and the Ribbon Cutting Ceremony is scheduled for Friday, June 21, 2019 at 5pm at the Grand Lake Center.
4. **NEW*** Founders Day Celebration

In tandem with the Grand Lake Historical Society, we are planning a Founder's Day Celebration, a potluck from 5pm to 6:30pm on Sunday, June 23, 2019 at the Grand Lake Center to commemorate the 75th Anniversary of the incorporation of Grand Lake as a municipality. The Town was incorporated as a municipality on June 23, 1944. Emily Hagen, Executive Director, Grand Lake Chamber, and Judy Tumblin, Treasurer, have agreed to help market the event.

Leonard P. Zick, Sr. was the first Mayor of Grand Lake from 1944-1948 (SEE ATTACHMENT).

5. **Strategic Planning**

Grand Lake Mission Statement

"The rustic village of Grand Lake is moving forward into the future on the wings of the past, always striving to protect its natural environment, to preserve its history, and to endure its quality of life for everyone."

The Town Board selected the following as its top priorities for 2020, and beyond. The summary report from Aden Hogan will be forthcoming. (SEE ATTACHMENT).

**ANNOUNCEMENTS**

- The Inspection Station for Aquatic Nuisance Species opened at the East Inlet in Grand Lake on Friday, May 17, 2019. Northern Water is still working on fabricating a gate to help secure our entry to Grand Lake.

- On June 3, 2019, I sent DOLA a revised Signatory Authority and Delegation of Signatory Authority Form signed by the Mayor, naming Nate Shull, Town Planner, as Interim Responsible Administrator for our existing DOLA grants.

- I will be on vacation from Tuesday, June 11 through Friday, June 14, 2019.

- Mayor Peterson, Trustee Southway, Trustee Bruton and I will attend the CML annual conference from Tuesday, June 18 through Friday, June 21, 2019 in Breckenridge, CO.

- Fireworks preliminary planning is underway. Historically, we have held a pre and post meeting. The preparatory meeting will be scheduled in June 2019. Many agencies, such as State Patrol, the Sheriff’s office, the Fire Department, EMS, Grand Lake Chamber, and the Town of Grand Lake will be assembled.
As always, please let me know if you have any questions or concerns.

**Quotable Quote(s):**

“There are only two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle.”

-Albert Einstein
Founders' Day Celebration

The Town of Grand Lake 75 Years

Potluck Celebration Sunday, June 23rd 2019
5:00PM - 7:30PM
Grand Lake Center

While Grand Lake was established in 1881, it wasn't incorporated as a town until June 23rd, 1944! Join us as we celebrate Grand Lake becoming an "official" town.
Top 10 Priorities

1) Community & Town Property Clean-up
2) Incentives for Winter Activities
3) Lakefront Improvements (tie)
4) Space to Create/Affordable Housing (tie)

Receiving Votes

5) Development Fees and Regulations (Parking)
6) Water Quality (on-going)
7) Community Appearance
8) Preserve Rustic Look/Appeal
9) Main Street Update Code
10) Finish Small Projects in Comprehensive Plan
11) Repertory Theatre (Communication, Cooperation, Coordination)
12) Policies
13) Streetscape
Grand Lake Lodge Special Use Permit

Date: March 12, 2019

Time: 12:30-2:30

Meeting place: Lakewood, NPS Regional Office

Attendees:
- Nate Shull, Town Planner, Town of Grand Lake
- Steve Wiens, Landscape Architect (steve@stacklot.com)
- Chris Perdue, Consultant
- Darla Sidles, Superintendent, Rocky Mountain National Park
- Jim White, Town Manager
- Patrick Roberts, RG & Associates, Civil Engineers (send to Gary)
- Steve Schrempp, Chief of Facilities Management, Rocky Mountain National Park
- Bob Gansauer, Transportation Engineer, NPS Denver Service Center
- Cheri Yost, Park Planner, Rocky Mountain National Park

Agenda Topics

Background:
- January 2018 - application request for amendment to plan development
- February 2018 - sketch plan submitted to Town
- Public meetings followed
- June 2018 - special workshop held with community
- January 2019 - planning commission recommended approval with conditions
- February 11, 2019 - final approval from Board of Trustees

Existing approved amendment from 2002 - included multifamily, gas station, hotel buildings.

This amendment is four phases with 86 units. Phase I includes 10 units, design and permitting this year. Intersection improvement is part of Phase I.

Cost Recovery/SUP Application:
- SUP Application
- Cost Recovery Agreement
- Review of documents
- NPS issues SUP for construction - bonding, insurance
- Construction - with window
- Acceptance of work - Cert of Occupancy corresponds with this step
- Warranty period - TBD
- Exotic plant management for three years post construction

Action Items:
- Chris will send NPS the SUP application, per instructions in letter.
Federal Highway Survey
- construction drawings and specs include: safety plan, traffic control plan, erosion and sediment control plan, veg and restoration plan
- Chris says ground survey will be completed
- the topo survey needs to include the area around the corner (sight distance)
- Steve may have some drawings - including an under drain near the intersection
- specs follow federal highway design
- contractor quals? - NPS has no precertification requirements
- no new traffic study is needed but submittal will include justifications for design

Steve will get Chris drawings of under drain
Chris will complete ground survey as soon as weather allows

Cultural Resource Survey
- survey the entire Area of Potential Effect (include view sheds)
- archeology - Class III pedestrian survey with optional testing plan - ARPA permit will be needed if testing proceeds - 50 feet from edge of new pavement
- Trail Ridge Road - survey (include culverts, curbs, signs, etc) - be sure to include viewsheds

Chris - Cheri forgot to mention that your cultural resource contractor must meet professional qualifications - https://www.historycolorado.org/sites/default/files/media/document/2017/1527.pdf

Natural Resource Survey
- rare plant survey – use list from Colorado Natural Heritage Program
- Bald Eagle Act
- Migratory Bird Act
- Endangered Species Act - Mexican Spotted Owl, lynx, others
- If wildlife species of concern are present, timing restrictions will likely apply

Cheri can get list of species of interest to Chris

Wetlands
- delineation – survey the entire system of wetland

Exotics/Reveg
- exotics survey
- reveg with species approved by NPS
- exotic plant management control - chemical use needs to be approved by NPS and completed by certified applicators
- exotics and reveg plan for road work (also exotic plant management plan for property)
- certified weed free materials

link to final NPS Exotic Plant Management Plan - https://parkplanning.nps.gov/document.cfm?parkID=94&projectId=66731&documentID=91864

other resource impacts that NPS will consider
- visitor impacts
- noise during construction
- wildlife impacts, esp. migration, elk, moose
- air quality
SUP for Fire Mitigation

- proposed area to mitigate TBD in discussion with NPS fire staff
- NPS can provide guidance for contractors

Chris will submit SUP application

Cheri/Darla to discuss width of corridor with fire staff

Landscape Plan

- NPS review plan with signs, fence, access to park lands, trail access, native species, etc.

Chris and Steve will follow up with Cheri when you are ready to discuss it

Timeline

- March - SUP application
- June - surveys begin with snowmelt
- mid to end of June - more detail about the proposed intersection (viewsheds, etc) 
- November (first two weeks) - best case for mobilization - construction last for 3 weeks

Cheri to provide documentation that allows permission to survey

SUP for Road, Signs, Water

- need to sign new SUPs for the new ownership

Cheri and Chris/Francis to talk

Other

Nate’s Notes:

➢ NPS’ bonding succeeds the Town’s Bonding requirements for intersection (i.e. Town NOT requiring bonding for intersection). Town, however, will accept full submission including construction drawings, and all utility infrastructure drawings for intersection work.

➢ NPS’ “acceptance” of intersection improvements is defined as prior to warranty period. Town to receive NPS’ acceptance via a letter prior to issuance of certificate of occupancy.

Timeline

<table>
<thead>
<tr>
<th>Month</th>
<th>National Park Service</th>
<th>Town of Grand Lake</th>
</tr>
</thead>
<tbody>
<tr>
<td>March</td>
<td>SUP (Cost Recovery) Application – 30% conceptual design submitted</td>
<td>Agreement for Services signed/Development Improvements Agreement finalized, approved by Mayor</td>
</tr>
<tr>
<td>April</td>
<td>Application Reviewed</td>
<td>Construction drawings submitted (by Engineer) – Review begins</td>
</tr>
<tr>
<td>May</td>
<td></td>
<td>Refer out to internal agencies (PW, Water, Fire, Police, etc.)</td>
</tr>
<tr>
<td>June</td>
<td>Surveying begins (by engineer)</td>
<td></td>
</tr>
<tr>
<td>July</td>
<td></td>
<td></td>
</tr>
<tr>
<td>August</td>
<td></td>
<td></td>
</tr>
<tr>
<td>September</td>
<td></td>
<td></td>
</tr>
<tr>
<td>October</td>
<td>Begin Construction of Intersection</td>
<td></td>
</tr>
<tr>
<td>November</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Join Us as We Celebrate

FOUNDERS DAY

June 23rd, 2019  5:00 pm – 7:00

Potluck Dinner
At the Grand Lake Center
Bring a dish to pass and have some fun!

The 75th Anniversary of the Town of Grand Lake
being incorporated as an official Town!
June 23rd, 1944
To Residents, Business Owners, and Visitors of Grand County:

With the heavy snowfalls this season, Grand County could realize the effects of the melting snow from mid-May through June. A packet of information has been assembled to inform the community about the impacts of high water. The Towns and County have prepared a plan of action and all departments are ready for a possible high water event!

Although Grand County is preparing for high water, no one can predict the spring weather, including warm temperatures and precipitation which will determine the rate of flow in the tributaries, creeks and rivers in Grand County. Local and State officials have been monitoring snowpack, flows in the various rivers, streams, and drainages and are prepared to respond to the possibilities of high water situations. Grand County has also participated in various meetings with local dam owners in order to prepare for water releases due to the over capacity of reservoirs or in anticipation of heavy run-off.

During spring run-off, the Public Works departments in the county will begin managing debris and obstructions in waterways. Poly sandbags will be available for purchase at a variety of Grand County businesses and sand will be provided free of charge at the Grand County Road and Bridge shops as well as the towns public works buildings. If you are unable to locate the poly sandbags please contact your town manager or the Grand County Office of Emergency Management. More information on sandbags is included in this packet.

On the following pages please find a summary of information, questions and answers assembled for your convenience to prepare for high water. Flood Insurance Rate Maps to assist you in locating your property and evaluating its proximity to the 100-year flood areas are available on-line at www.fema.gov or you may call the Planning Department in your town for information on your property.

Another great resource is www.Ready.gov and the USGS www.usgs.gov site that monitors the flow (CFS- cubic feet per second) in area creeks and rivers and for other information as the spring melt situation unfolds.

In the case of a significant flooding event anywhere in the county, the county-wide Emergency Operations Center (EOC) will be activated and all entities and agencies with response authority will be participating and assisting to mitigate the event.

On behalf of the Grand County Government, Town of Fraser, Town of Granby, Town of Grand Lake, Town of Hot Sulphur Springs, Town of Kremmling, and the Town of Winter Park, thank you for your cooperation and concern.

Grand County Government
Town of Fraser
Town of Granby
Town of Grand Lake
Town of Hot Sulphur Springs
Town of Kremmling
Town of Winter Park

Spring, 2019
INTRODUCTION

Cities and counties in all parts of Colorado, with the assistance of the federal and state government, have developed and are continuing to develop comprehensive emergency preparedness programs to reduce loss of life and protect property from disasters. Many lives are being saved by these programs. People are being warned of impending emergencies/disasters, evacuated from danger areas, treated for injury, and helped to resume their normal lives after disaster strikes.

The primary purpose of this guide is to save lives, reduce injuries, and protect property. It is designed to present information and guidance on action to take to enhance survival in the event of natural and human caused disasters.

You can give yourself and your family a much better chance of surviving and recovering from major disasters if you will take time now to:

- Understand the dangers you would face in an emergency;
- Make your own preparations; and
- Learn what actions you should take at the time of the emergency.
- Sign up for CodeRED emergency alerts at gcemergency.com

This guide discusses preparation and emergency actions that will help people cope with the impacts of high water.

County Road 83
Spring, 2019
HIGH WATER PREPAREDNESS

WHAT CAN CITIZENS DO TO PREPARE FOR AN EMERGENCY?

Am I in a risk area:

Do you live in a low-lying area susceptible to high water?

Do you know enough about high water risk?

The severity of local high water, and whether or not major high water occurs along tributaries, creeks and rivers in Grand County, depends mostly on the weather conditions during snowmelt in May and June. The weather determines when and how rapidly snowmelt occurs. Unusually high snowpacks naturally raise the possibility of high water, but risk is determined by a combination of events and conditions:

- Heavy, concentrated rain events
- Heavy rains mixed with spring’s melting snow, creating excessive run-off into rivers and creeks
- Ice jams or debris—water upstream is blocked by ice or debris downstream

Remember that if rising waters become a threat to your safety, follow the instructions of local emergency officials who are involved in rescue or high water response operations, including those directing traffic, as water can be deeper than it appears. Keep disaster response routes clear.

Before a high water emergency:

- Sign up for CodeRED emergency alert at gceemergency.com
- Know if you live in a high water-risk area.
- Purchase flood insurance, if desired. (Note: There is a 30 day wait period)
- Prepare personal emergency supply kits for your home, car and work.
- Have a grab-and-go kit ready if you have to leave your home quickly.
- Keep important papers in watertight containers and have a record of your valuables in a safe place to help with insurance claims.
- Choose a relative or close friend out of the area as a contact person for family members and friends.
- If high water is likely in your area, pay attention to the local media for information.
- Watch for warning signs: increase in height and intensity of water flows, mudslides, debris in creeks, color changes in water, or leaning trees.
- Know that banks of rivers and streams may be unstable and dangerous.
- Teach your children about high water safety.
- Consider arrangements for your pets and any livestock.
- Check on elderly or disabled neighbors to ensure they are aware of the situation.
- Prepare an evacuation plan from your home to a safe location

Spring, 2019
If you are at risk, there is much you can do now to prepare.

High water may occur in the area where you live, and although your home may not be immediately affected, you may be cut off from outside resources (phone, electricity, safe drinking water, road access) and even some members of your household.

You should have in place, at all times:

☐ An emergency plan that every household member knows. The plan should include information on how to shut off electrical power and natural gas sources, safe meeting places out of the high water-risk area, an out-of-area contact, plans for pets and livestock, and a neighborhood safety plan that identifies people who may need extra help. Once you formulate your plan, rehearse it!

☐ An emergency supply kit containing non-perishable foods, bottled water, first aid kit, necessary medications, flashlights and batteries, personal toiletries, identification for each family member, some cash and any important family documents. Be prepared to be on your own for at least 72 hours, possibly longer. All perishable items should be changed or replaced every six months.

☐ Have a grab-and-go emergency kit ready for each member of your household as you may have to leave in the middle of the night or on short notice. This kit should have basic essential items such as prescription medications, eye glasses, important papers, flashlight, clothing, identification and some cash.

☐ A battery-powered or wind-up radio that allows you to access weather warnings and disaster instructions from local radio stations.

☐ A plan for protecting your home and the tools and items you may need to do so (wrenches for shutting off valves, plastic sheeting or sandbags).

☐ A full tank of gas in your vehicle.

During a high water emergency:

Rising water levels may indicate your home will become unsafe to be in and you will most likely have to evacuate. There are things you can do now to prepare if you are at high risk:

- Work in cooperation with Police, Public Works and Emergency personnel. Always follow the instructions given.

- Volunteer your time and energy to assist in efforts to protect city/town/county facilities and private property.

Spring, 2019
During a high water emergency (continued):

- Plan how you will leave and where you will go if you are advised to evacuate.

- Make sure everything is in place for the possible evacuation of your pets and livestock.

- When you leave your home, don’t forget to lock all your doors and windows.

- Prevent illness by understanding there is a possibility that drinking water may become contaminated. Listen for boil water advisories or other safety instructions from local emergency officials.

- Keep a stock of food that requires no cooking or refrigeration. Store drinking water in clean, closed containers.

- Keep in mind that high waters may make travel unsafe – know if there are different routes out of the area if high waters are impacting roads.

- Never attempt to drive through high water. Two (2) feet of water can carry away most cars. The most dangerous thing you can do is to try walking, swimming, or driving through high waters.

- Organize your homeowners association, neighbors and friends to assist with filling and placing of sandbags.

- Help a neighbor who may require special assistance – infants, elderly people, and people with disabilities.

- An oil tank will float if it isn’t full. Stabilize your oil tank and weigh it down with sandbags or wedge it against a solid object.

- Anchor propane tanks. Both full and empty propane tanks will float. Turn off valves and anchor tanks to a solid object with a chain or cable.

- If you are instructed by local authorities, turn off all utilities at the main power switch and close the main gas valve.

- Dangerous chemicals such as weed killers, insecticides, fertilizers, and corrosives should be moved to a safe, dry area to reduce the dangers of chemical contamination, fires, explosions, and personal injuries.

- Identify dams in your area. Be aware of what could happen if they fail. Become familiar with local emergency action plans.
More deaths occur due to high water each year than from any other thunderstorm or hurricane-related hazard. Many of these casualties are a result of careless or unsuspecting motorists who attempt to navigate flooded roads. The National Weather Service now warns anyone who comes to a flooded roadway, “Turn around … don’t drown!”

- If high water occurs, get to higher ground. Stay away from high water-prone areas, including dips, low spots, valleys, ditches, washes, etc.
- Avoid flooded areas or those with rapid water flow. Do not attempt to cross a flowing stream. It takes only six inches of fast flowing water to sweep you off your feet.
- Don’t allow children to play near high water, storm drains or ditches. Hidden dangers could lie beneath the water.
- Flooded roads could have significant damage hidden by high waters. Never drive through high waters or on flooded roads. If your vehicle stalls, leave it immediately and seek higher ground. Water only two feet deep can float away most automobiles.
- Do not camp or part your vehicle along streams and washes, particularly when threatening conditions exist.
- Be especially cautious at night when it is harder to recognize flood dangers.
- Monitor NOAA Weather Radio (162.525) west of Byers Canyon or your local media for vital weather-related information.

HIGH WATER PUBLIC WORKS ACTION PLAN

Spring, 2019
WHAT CAN YOU EXPECT FROM PUBLIC WORKS?

Primary responsibilities of Public Works staff:

- Monitoring rivers and streams in the city, towns and county.
- Managing debris which might impede the flow of water in creeks and culverts in public right-of-way.
- Evaluating levels of flooding and/or anticipated flood threat and determining needs.
- Establishing priorities for the protection of life safety, essential facilities, access roads, bridge structures and culverts.

CONTACT INFORMATION (during business hours):

**Town of Fraser**
- Police Department (970) 722-7779
- Public Works (970) 726-5491
- Floodplain Manager (Catherine Trotter) (970) 726-5491

**Town of Granby**
- Police Department (970) 887-3007
- Public Works (970) 887-2448
- Floodplain Manager (Aaron Blair) (970) 887-2501

**Town of Grand Lake**
- Police Department (970) 725-3343
- Public Works (970) 627-3583
- Floodplain Manager (John Zelenikar) (970) 627-3435

**Town of Hot Sulphur Springs**
- Police Department (970) 725-3343
- Public Works (970) 725-3933

**Town of Kremmling**
- Police Department (970) 724-3318
- Public Works (970) 724-3249

**Town of Winter Park**
- Police Department (970) 722-7779
- Public Works (970) 726-8011
- Floodplain Manager (James Shockey) (970) 726-8081

**Grand County**
- Sheriff (970) 725-3343
- Office of Emergency Management (970) 887-2732
- Road & Bridge (970) 887-2123

AFTER BUSINESS HOURS CALL THE GRAND COUNTY COMMUNICATIONS CENTER (970) 725-3311

Spring, 2019
HIGH WATER LAW ENFORCEMENT ACTION PLAN

WHAT WILL THE LOCAL LAW ENFORCEMENT AND GRAND COUNTY SHERIFF'S OFFICE DO IN THE EVENT OF A HIGH WATER SITUATION?

Duties of Law Enforcement:
- Protect life (health and well-being of the community).
- Minimize the threat to people and property in response to flooding (via evacuation if necessary).
- Continue to provide essential law enforcement services.

Priorities:
- Evaluate the threat level
  - 24-hour stream watch during peak run-off period
  - Communication with affected agencies
  - Obtain hydrologic information from relevant sources
- Identify actual affected areas
  - Life threatening potential
  - Need to evacuate
  - Secure affected area (traffic/crowds)
  - Establish and secure access to affected areas
- Secure property impacted by high water
  - Public property (local government infrastructure)
  - Private property (prevent looting)
- Continue to provide essential police services
  - Prioritize police response to requests for service
  - Additional manpower and other resources from local agencies

Spring, 2019
SANDBAGGING

Public Works:

- Although Public Works generally does not provide sandbagging services, you can contact your local Public Works office with questions (refer to contact information for appropriate contact numbers).

Sand provided free of charge at the following locations:

Grand County: All County Residents, Sand Provided

Granby Road and Bridge Shop: 467 East Topaz, Granby
Fraser Road and Bridge Shop: 350 GCR 5103, Fraser
Parshall Road and Bridge Shop: 91 GCR 3, Parshall
Kremmling Road and Bridge Shop: 1008 Railroad Ave, Kremmling

Fraser: Residents of Fraser, Sand Provided

- Public Works Shop: 125 Fraser Ave, Fraser

Grand Lake: Residents of Grand Lake, Sand Provided

- Public Works Shop: 217 Marina Dr., Grand Lake

Winter Park: Residents of Winter Park, Sand Provided

- Public Works Shop: 80500 Main St, Winter Park

Trying to determine how much sand and how many sandbags you might need?

- Sand Bags can be purchased at local supply stores
- Ace Hardware and Murdoch's

Spring, 2019
General sandbagging Information:

☐ Do not stack sandbags against the outside walls of your home to keep water out. Stack sandbags away from house walls to prevent high water from reaching your home.

☐ When high water is likely, it is better to permit the high water to flow freely into the basement (or flood the basement yourself with clean water, if you are sure it will be flooded anyway). This will avoid structural damage to the foundation and the house by equalizing the water pressure on the outside of the basement walls and floors.

☐ Construct the sandbag dike on high ground, as close as possible to your home or building. By being closer to your home or building, fewer bags will be needed, and the sandbag dike will be less exposed to the tributary, creek or river.

☐ Sandbagging should also focus along existing flood works or any low spots along dikes for maximum protection.

☐ Dig a trench one bag in depth and two bags wide as a foundation for the dike structure.

☐ To be effective, a dike must be three times as wide as its base as it is high.

☐ Sandbags should be turned right side out and filled half full. They need not be tied shut, just laid overlapping each other.

☐ The open ends of the sandbags should be facing upstream and/or uphill so that the moving water will not remove the sand from the bags as readily.

☐ Alternate direction of sandbags with bottom layer, i.e., bottom layer lengthwise with dike, next layer crosswise.

☐ As individual bags are put in place, walk on bags to tamp them into place to ensure maximum strength. Take care to avoid puncturing the bags.

☐ The butt ends of the bags should be placed facing the stream, for rows that are perpendicular to the stream.

☐ Each successive layer should be set back one-half sandbag width on both sides in each additional layer so a completed dike has a triangular cross-section.

☐ The number of sandbags needed to protect a home or building varies depending on the local topography and the anticipated depth of water.
RECOMMENDED METHOD FOR SANDBAG DYING

Bags Required for 100 Linear Feet of Dyke

<table>
<thead>
<tr>
<th>Height Above Dyke</th>
<th>Bags Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/3 metre</td>
<td>600</td>
</tr>
<tr>
<td>2/3 metre</td>
<td>2000</td>
</tr>
<tr>
<td>1 metre</td>
<td>3400</td>
</tr>
</tbody>
</table>

PLAN OF BOTTOM LAYER

METHOD OF LAPPING SACKS

EXISTING DYKE

riverside

Strip sod before placing bottom layer

Bonding trench, 1 sack deep by 2 sacks wide

1. Alternate direction of sacks with bottom layer, i.e. bottom layer lengthwise with dyke, next layer crosswise.
2. Lap unfilled portion under next sack.
3. Tying or sewing of sacks not necessary.
4. Sacks should be approximately one-half full of clay, silt or sand.
5. Tamp thoroughly in place.

Clean-up Procedures After High Water:

- It is the responsibility of the homeowner to remove and dispose of sandbags at the end of the event.

Spring, 2019
THIS IS THE PROPER WAY TO CONSTRUCT A SANDBAG LEVEE OR PROTECTIVE DIKE TO PREVENT WATER ACCESSING AN AREA

DO NOT TIE BAGS

Only fill bags 1/2 to 2/3 full - note the lap made by the excess material - fold it diagonally in half and walk right down the top of the bags to compact. Each additional row ties the lower ones in.
HIGH WATER PREPAREDNESS RESOURCES

To watch the flow in area rivers & streams

go to
https://www.dwr.state.co.us/SurfaceWater/data/district.aspx?div=5&dist=51&type=ALL

or call 303-866-3441

The Colorado Water Conservation Board (CWCB) is the state authority on the administration of flood insurance and information. They are actively engaging in preparatory activities and updating information on their website throughout the flood season.

Website links with flood information pertinent to Grand County homeowners:

Certificates of Elevation can be obtained from a licensed PLS (surveyor) in the state of Colorado. Blank certificates and detailed instructions can be found on-line at the FEMA website: http://www.fema.gov/library/viewRecord.do?id=1383.

NFIP participating Municipalities can provide guidance on the basis of floodway/floodplain information available to them, but cannot verify all of the information provided to them. FEMA’s Flood Insurance Rate Maps (FIRMs) are available at the Planning Departments for review by the public. They are also available on-line at the FEMA website: www.fema.gov. Click on the Navigation ICON Choose from either Flood Hazard Mapping, Flood Insurance, or Flood Map Service Center, then proceed to look for the flood map for your location.

☐ National Weather Service: http://www.crh.noaa.gov/bou/
☐ Federal Alliance for Safe Homes: www.flash.org or 1-877-221-SAFE
☐ Flood Insurance: www.floodsmart.gov
☐ Colorado Water Conservation Board: www.cwcb.state.co.us
☐ Flood Information: www.floodsafety.com
☐ Institute for Business and Home Safety: www.ibhs.org
☐ U.S. Army Corp of Engineers: http://www.usace.army.mil/Missions/Emergency-operations/

Spring, 2019
FEMA FLOOD INSURANCE RATE MAPS

Currently the Towns of Fraser, Granby, Grand Lake and Winter Park participate in the National Flood Insurance Program. Grand County does not participate in this program.

Flood Insurance Rate Maps (FIRMs) are available as part of the National Flood Insurance Program.

The participating Municipalities can provide guidance on the basis of floodway/floodplain information available to them. FEMA’s Flood Plain Insurance Rate Maps are available at your Municipality’s Planning Dept. for review by the public or online by following the link below to FEMA’s website. http://http://msc.fema.gov/portal
Additional information on flood maps and flood insurance is available at: http://cwcb.state.co.us/

Then click on the “Water Management” tab on top center of the page then you can choose from:

- Water Efficiency
- Drought
- Flood (Insurance Information and Floodplain Maps, Flood Documents)
- Water Supply Planning
- Water Project & Programs

Edgewater, Granby 2014

(Please note: Flood insurance rate maps are available for your review and the various towns can answer general questions for the public. However, lending institutions, not the towns, determine whether flood insurance will be required for a property and the related liability potential.)

Spring, 2019
GRAND COUNTY EMERGENCY MANAGEMENT

81 West Agate Ave PO Box 1457 Granby, CO 80446 Office: (970) 887-2732 Fax (970) 887-1698

Ray Jennings Chief
rjennings@co.grand.co.us

Tara D. Gourdin Emergency Manager
tgourdin@co.grand.co.us

For emergency information in Grand County:
www.gcemergency.com

Facebook @GrandCountyOEM
Twitter @GrandCountyOEM

Kremmling, CO 2014

Spring, 2019