



STATE OF NEVADA
Off-Highway Vehicles Program

901 South Stewart Street, Suite 1003
Carson City, Nevada 89701
Telephone (775) 684-2794
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OFF-HIGHWAY VEHICLES GRANT PROGRAM
NEVADA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
NEVADA COMMISSION ON OFF-HIGHWAY VEHICLES
NRS 490

FALL 2017 GRANT APPLICATION

(RFA APPENDIX A)

APPLICATIONS DUE

November 1, 2017, 4:00 PM, PST

Please mail early; Applications postmarked prior to 4:00 pm on November 1, 2017 but not received prior to that time are untimely and will not be considered.

NOTE: this is the State OHV program, NOT the Federal Recreational Trails Program

SUBMIT: ONE FULL COLOR COPY, DOUBLE SIDED
BY MAIL OR HAND DELIVERY
(8.5" X 11" ONLY. MAPS MAY BE 11"X17" NO LARGER)

TO: NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES
OFF-HIGHWAY VEHICLES PROGRAM
ATTN: DCNR J. SCANLAND
901 S. STEWART STREET, SUITE 1001
CARSON CITY, NV 89701

AND

ONE ELECTRONIC FILE; PDF VIA EMAIL jscanland@ohv.nv.gov
OR MEMORY DEVICE ENCLOSED WITH APPLICATION.

DO NOT ATTACH ITEMS THAT ARE NOT REQUIRED.

For questions please contact:
Jenny Scanland
Executive Secretary
(775) 684-2794
jscanland@ohv.nv.gov

**NEVADA OFF-HIGHWAY VEHICLES PROGRAM
GRANT APPLICATION**
Nevada Department of Conservation and Natural Resources
Nevada Commission on Off-Highway Vehicles

Project # _____ (State admin only)

This application has seven (VII) sections which are all REQUIRED to be filled out in full. To avoid disqualification, all application areas must be concise and complete; certifications must be signed and dated. Denied applications: correspondence will be sent to applicant by email describing the reason for declaring the application incomplete.

SECTION I - PROJECT INFORMATION

1. **Project Name:** Ruby Mountains-Mountain City-Jarbidge Ranger District OHV Program Support

2. **Project Dates:** Expected *Start:* February 2018 *Expected Completion:* December 2018

3. **Applicant Name:** Great Basin Institute

Phone: (775) 674-5481

Mailing address: 16750 Mt Rose Hwy, Reno NV 89511

Email: kdose@thegreatbasininstitute.org

4. **Classification of Applicant:** (*check one*)

Federal State County Local/Municipal Other: _____

Partnership Non-profit For Profit Individual

If the applicant is a corporate or legal entity, proof of good standing in the entity's state of incorporation is required. NAC 490.1345 (Note: grantees must have the capacity to implement and accomplish proposed project and properly administer awarded funds).

5. **Project Manager:** Kevin Dose

Phone: (775) 674-5481

Mailing address: 16750 Mt Rose Hwy, Reno NV 89511

Email: kdose@thegreatbasininstitute.org

6. **State T-Vendor #** (if available): Not Applicable

7. **Landowner:** USFS

Contact: Joshua Nichols

Phone: 775-752-1700

Mailing Address: 140 Pacific Avenue, Wells NV 89835

Email: jnicholes@fs.fed.us

9. **Classification of Land Control:** *(check all that apply)*

federally managed public land Private Land County City

Other:

Lease; Attach copy of lease with expiration date.

R&PP; Attach copy of lease with expiration date.

If the proposed project is to be carried out on public land, attach any applicable written agreement with any government entity having jurisdiction over that land, including permits, leases, easements, and rights-of-way. NAC 490.135

10. **Project Costs:** *(Please do not submit match not directly related to the project)*

State OHV Grant Request: \$234,975.12

Other Funds: \$49,986.40

Total Project Amount \$284,961.52 100%

What are the sources of your leveraged (other) funds?

Federal Private In-kind City/County Other

Please describe source(s):

Type here: In-Kind matching contributions derived from the difference in recognized volunteer labor rate and the volunteer rate Great Basin Institute AmeriCorps volunteers earn during the service project.

11. **Project Type(s) (NRS 490.069 Sec.2c) check all that apply:**

- Studies or planning for trails and facilities;
 - Environmental Assessments and Environmental Impact Studies.
 - Other studies: Lamoille Canyon Winter Recreation Survey
- Acquisition of land for trails and facilities
- Mapping and signing of trails and facilities
- Reconstruction, enhancement or maintenance of existing trails and facilities
- Construction of new trails and facilities
- Restoration of areas that have been damaged by the use of off-highway vehicles.
- The construction of trail features, trailheads, parking, or other ancillary facilities which minimize impacts to environmentally sensitive areas or important wildlife habitat areas.
- Safety training and education related to the use of off highway vehicles
- Compliance and enforcement

Note: Operations & management and purchase or lease of equipment associated directly with a project are eligible.

12. **All Trail USERS:** (check all that apply)

- | | | |
|---|--|---|
| <input type="checkbox"/> Mountain Biking | <input type="checkbox"/> Hiking/Backpacking | <input type="checkbox"/> Equestrian |
| <input checked="" type="checkbox"/> Single track motorcycle | <input checked="" type="checkbox"/> Snowmobiling | <input checked="" type="checkbox"/> Snowshoe/ski |
| <input checked="" type="checkbox"/> ATV quads | <input checked="" type="checkbox"/> Dune buggy | <input checked="" type="checkbox"/> Side by side 50" or wider |
| <input type="checkbox"/> Race Course | <input type="checkbox"/> Skills riding course | |

Other Type here:

13. **Scope of Work:** Please describe *exactly* what work will be completed. Programs, planning, NEPA, surveys, mapping etc. and include miles of trail, trail type and other measurable goals including a timeline for completing the work. NAC 490.1375. If purchase of equipment is included please explain where/how it will be housed and maintained. (In order to avoid duplication, **do not include** justification or narrative in this section; refer to Section VII, Scoring Narrative).

Great Basin Institute, in cooperation with the US Forest Service Humboldt-Toiyabe National Forest Ruby Mountains/Mountain City/Jarbidge Ranger District (RMJD), is

requesting funding to enhance OHV recreational opportunities and the safety of OHV enthusiasts through the completion of three project initiatives.

First, with 1,317 miles of OHV roads and 925 Miles of OHV trails documented in their Travel Management Plan and significant reductions (i.e. approximately 50% reduction over the last 15 years) in annual operating budgets for road and trail maintenance, the RMJD is requesting project funds to support the purchase of equipment and labor to complete maintenance projects around the district and will focus initial efforts on the popular Merritt Mountain Trail and Bruneau Road. Both OHV recreation resources have been impacted by erosion, creating unsustainable trail and unsafe conditions for user groups. The impact and scale of required maintenance is such that using hand crew labor would be inefficient and in some cases impossible due to the scope of work required to fully address identified issues. To complete identified road/trail grading, retaining wall, and excavation projects, GBI and RMJD are requesting funds to purchase one Sutter 500 Trail Dozer and one Kubota U25S mini-excavator. This equipment will significantly increase project production rates and will be an extremely valuable resource for the completion of on-going OHV trail/road maintenance projects. In addition to the equipment purchase, we are requesting project funds to support the hiring of two seasonal recreation technician equipment operators, who will work closely with RMJD staff over a period of six months to complete identified projects on the Merritt Mountain Trail and Bruneau Road. Once projects have been completed on our initial high priority sites, the technicians will work with RMJD staff to identify the next priority project sites and continue working throughout the district to improve trail/road conditions and access. The maintenance project will also require the assistance of one 5-person Nevada Conservation Corps trail crew to support completion of road/trail grading and rock retaining wall projects. In total, we are requesting funds to support six 8-day work tours, providing 2,400 labor hours of project support.

The second proposed project initiative is the completion of a winter recreation visitor questionnaire that will focus on snowmobile use in the Lamoille Canyon area of the Ruby Mountains district. As snowmobile use in Lamoille Canyon has increased over the last five years, this popular recreation activity has not been managed or supported by RMJD

staff. Feedback from the 284 member Ruby Mountains Snowmobile Club suggests that completion of a winter recreation study is in the best interest of the local community and would provide valuable data to RMJD staff on how they can better support this growing and popular winter recreation activity. To complete this project, we are requesting funding to support one recreation technician for a total of 480 hours of project support over the period of three months. The technician will work closely with RMJD staff to develop an observational protocol intended to collect data on snowmobile use in Lamoille Canyon. Data collection will focus on visitor use, visitor needs, and visitor conflicts. The collected data will inform RMJD staff on actions necessary to improve the public experience and better manage the important natural resources of the Lamoille Canyon area. Examples of potential actions include improved parking areas, portable bathrooms, and snow trail maintenance equipment for trail grooming.

The third project initiative is providing funds to support RMJD staff law enforcement patrolling of popular OHV recreation areas during times of the year when large numbers of OHV enthusiasts would be encountered (i.e. hunting season). With increasing workloads and shrinking annual budgets to support recreation, we are requesting 140 hours of overtime pay support for two RMJD staff to support OHV outreach and enforcement efforts. The goal of patrolling efforts would be to educate the public on Nevada's OHV registration program, including process and public benefit. In addition, RMJD staff would focus on user safety and communicating best practices to individuals encountered in the field. At this time RMJD staff would like to focus on "outreach and education", but are prepared and capable of issuing citations to individuals that require such a response.

14. **Standards/Guidelines that will be applied to your project:**

- Universal Access to Outdoor Recreation - A Design Guide
- USFS Standard Specifications for Construction & Maintenance of Trails
- BLM Handbook 9114-1 Trails
- NOHVCC Handbooks

Other: _____

15. **Has the applicant received funding from the OHV Program in the past?**

No Yes

Number of projects funded: _____

Amount of funding Received: \$ _____

Number of projects Completed: _____

SECTION II – LOCATION, MAPS, PHOTOS

Project Location: Ruby Mountains-Mountain City-Jarbidge Ranger District

County: Elko

Nearest Municipality/Town/City: Elko and Wells, NV

Center of project: Latitude: 40.83242° Longitude: 115.7631°

Maps are a very important part of the application. They are considered part of the final agreement if funded. Please provide readable, proficient maps.

Required Maps: for all maps please include a legend, north arrow, scale, and map name.

Topographic maps preferred. You may include *additional* aerial/google maps.

- General location map (showing project area within the state or county)
- Topographic map (7.5 minute series quadrangle, 1:24,000 scale) with project boundary and map name Township:_____ Range:_____ Sections_____
- Detail map indicating specific project elements (e.g., structures, trail alignment)

- Maps larger than 11x17 will not be accepted

Please attach the following photographs:

- At least two (2) overviews of the project area from different angles and distances.*

(Good photographs at trail level and google aeriels help the scoring committee to understand the location, depth and breadth of your project.)

SECTION III - Federal Lands or Other

Federal Environmental Compliance

A. If Federal funds or Land are a part of the project and NEPA was completed, indicate which document was produced, and **please attach the decision document to this application:**

- Record of Decision (ROD)
- Finding of No Significant Impact (FONSI)
- Categorical Exclusion (CX)
- SHPO 106 compliance/concurrence letter.
- Other compliance documents already completed. (do not attached the EA or EIS)
- Not applicable

If NEPA or planning is a part of the project describe the steps in the Scope Section I, #13.

SECTION IV - BUDGET

Proposed Budget: Provide your budget details in the following format. This budget should align clearly with your scope of work from #13.

- ***Please follow this format as much as possible*** and be very specific, as your application will rate higher. You may create your own spreadsheet.
- Reminder, include all sources of funds for the completion of the project including federal, in-kind, private/city/county and state funds.
- **Attach copies of estimates and identify what each contract will include.**
- **Attach copies of all quotes/estimates.**

Item Description	Item	OHV Grant Request	Federal	Other	Total
Contracts: studies, planning , design, engineering					
Contracts: construction					
Direct labor costs Salaries, including fringe, actual costs	USFS GS-11 Overtime Rate: \$39.39/hr @ 140hrs = \$5,514.60 USFS GS-6 Overtime Rate: \$29.24/hr @ 140hrs = \$4,093.60 GBI Winter Recreation Technician: \$19.05/hr @ 480 hrs/tech = \$9,144.00 GBI OHV Trail Maintenance Technicians: \$21.29/hr @ 960 hrs/tech @ 2 techs = \$40,876.80 GBI Crew Leaders: \$13.61/hr @ 480 hours/leader = \$6,532.80 GBI Crew Members: \$11.70/hr @ 480 hours @ 4 Members = \$22,464.00	\$88,625.80	GS-11 Support: \$39.06/hr @ 320hrs \$12,499.20 GS-6 Support: \$24.65/hr @ 320hrs \$7,888.00		\$109,013.00

<p>Volunteer or donated labor/in-kind # Hrs. skilled labor @\$23.56/hr. (not required but is important for scoring higher)</p>	<p>Crew leader labor difference: \$23.56/hr - \$13.61/hr = \$9.95/hr @ 480 hrs/leader = \$4,776.00 Crew member labor difference: \$23.56/hr - \$11.70/hr = \$11.86/hr @ 480 hrs/member @ 4 members = \$22,771.20</p>			<p>\$27,547.20</p>	<p>\$27,547.20</p>
<p>Purchase or rental of equipment - Specify type of equipment – cost- # of days. <i>Attach estimate or quote.</i></p>	<p>Sutter 500 Trail Dozer: \$76,004.00/dozer @ 1 Dozer = \$76,004.00 18’ 14k lbs Trailer: \$7,000/trailer @ 1 trailer = \$7,000 Kubota US5S Mini-Excavator: \$36,848.00/excavator @ 1 excavator = \$36,848.00 4x4 leased truck: \$342.5/truck/8-day tour @ (6) 8-day tours @ 1 truck = \$2,055.00</p>	<p>\$121,907.00</p>	<p>USFS 4x4 Vehicle @ \$228/mo @ 9 mo = \$2,052.00</p>		<p>\$123,959.00</p>
<p>Purchase of Materials List items & cost of each item or group of items.</p>	<p>Chainsaw Bar Oil: \$15/gal @ (4) gallons = \$60.00 Chainsaw/Brushcutter Fuel: \$3.00/gal of premium gas @ (10) gallons = \$30.00 Chainsaw 2-Stroke Oil: \$50.00/gal @ (1) gal = \$50.00 20” Chainsaw Chain: \$30.00/chain @ 1 chain = \$30</p>	<p>\$1,004.00</p>			<p>\$1,004.00</p>

	<p>PPE Toe Cap Protectors: \$60.00/pair/toe cap @ 1 pair/toecap/member @ 5 members = \$300.00</p> <p>InReach Satellite Communicator: \$399/InReach Device @ (1) device = \$399.00 \$45/month of service @ (3) months = \$135</p>				
Vehicle Gas and Maintenance standard is now at .54 per mile. Estimate miles.	Gas & Maintenance: \$0.535/mile @ 6600 mi = \$3,531.00	\$3,531.00			\$3,531.00
Other: be specific	Per Diem: \$7.25/member/day @ 48 Field days/member @ 5 members = \$1,740.00	\$1,740.00			\$1,740.00
Other: be specific	Administrative Costs: 21.30% on GBI Direct Labor & Crew Costs: 21.30% x \$85,292.60 = \$18,167.32	\$18,167.32			\$18,167.32
Totals		\$234,975.12	\$22,439.20	\$27,547.20	\$284,961.52
Percentages		82%	8%	10%	100%

SECTION VI – TRANSMITTAL LETTERS and LETTERS OF SUPPORT

Transmittal Letter(s): transmittal letter(s) must be submitted **and attached to this application**. They must be signed by the appropriate club or agency head, (Chairperson/President of the organization or other authorized official) AND by **the landowner**.

Land Owner: a letter of support by the landowners (county, city, state, federal, private) stating that they have read and agree (1) to the application (2) that the applicant’s interest in the subject land is sufficient in scope and authority to allow the applicant to complete the proposed project and operate and maintain the proposed project after its completion NAC 490.1355 (3) and any match or other tasks in the application that are assigned to them. The State may require the landowner/agency to be co-grantee on the grant agreement/contract.

A commitment to maintain the trail/facility, and allow for motorized access to those facilities for 25 years or the normal life of the project, by the appropriate entity.

Letters of Support are limited to three (3). Please attach them to the application.

SECTION VII – SCORING NARRATIVE

Address the following 14 questions in the order listed below.

- **Be specific and concise** with your answers.
- **Please submit no more than five (5) double-sided pages for your Narrative.**
- **Please type directly into this application.** *If the form doesn't work for you, please cut and paste into another document and answer in the same order as given below. (if not applicable answer N/A)*

1	Public Education, Law Enforcement & Outreach: <i>Please describe how your project/program will incorporate public education and/or outreach to increase registration and showcase the benefit of OHV communities, including registration events.</i>	This project will provide funds to support RMJD staff law enforcement patrolling of popular OHV recreation areas during times of the year when large numbers of OHV enthusiasts would be encountered (i.e. hunting season, summer season). The goal of patrolling efforts will be to educate the public on Nevada’s OHV registration program, including process and public benefit. In addition, RMJD staff will focus on user safety and communicating best practices to individuals encountered in the field.
2	Trail Mapping: <i>Please describe how your project /program will move public lands in Nevada towards having travel plans completed and will result in trail mapping and creation of maps for the public. (With landowner/manager approval).</i>	This project does not currently have a trail mapping component. The RMJD OHV road and trail system is well documented and available to the public, including the Merritt Mountain Trail.
3	Access: <i>Please describe how your project/program ensures protection of access. Explain what access/opportunities would be lost or restricted if the project doesn't occur.</i>	This project will focus on improving access to the existing OHV road and trail system. The significant impacts of erosion are endangering access to important recreational opportunities due to safety

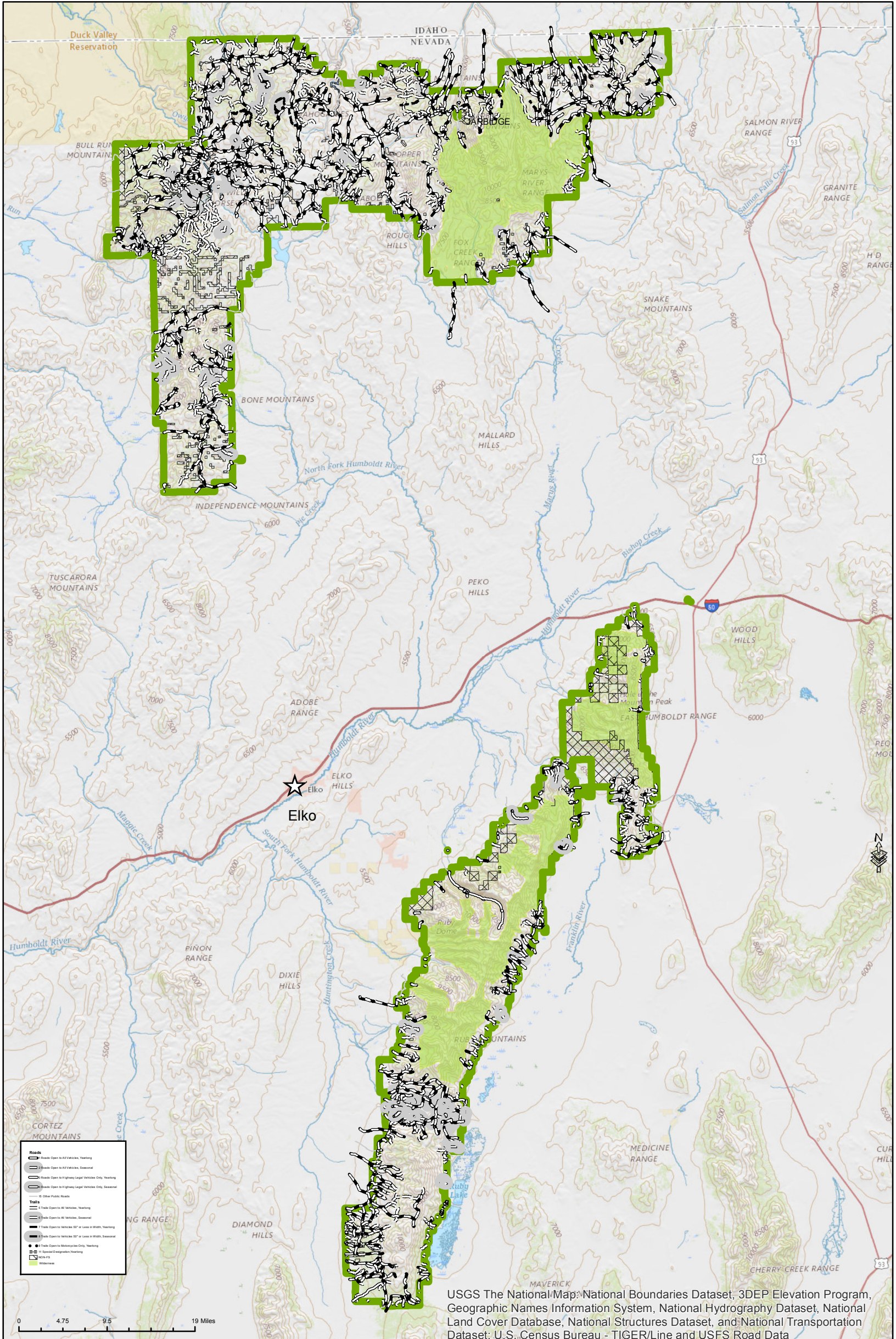
		concerns. If left unaddressed, future access could be lost or highly discouraged due to hazardous conditions.
4	Demand for New Facilities: Please describe the justification (the DEMAND) for NEW facility/program development: restrooms, trails, signs, and other amenities.	With 284 members, the Ruby Mtn. Snowmobile Club and RMJD staff continue to see increased snowmobile activity in the Lamoille Canyon and other recreation areas around the RMJD. The proposed winter recreation visitor survey is intended to provide RMJD staff with data to inform strategies for improving the public experience and will potentially result in development of new facilities.
5	Connectivity: Please describe the increase in connectivity between trails, facilities and other locations that your project/program would provide when completed. Attach maps if necessary. i.e. towns, parks, areas, trails etc.	The RMJD OHV road and trail system currently provides connectivity throughout the region for users to access various recreational areas and locations. This project will focus on maintaining the current system to remove safety hazards and improve long term sustainability, thus maintaining the current level of connectivity throughout the region.
6	Environmental Studies: please describe how your environmental studies, project/program is in a highly desired area that will result in maintaining or expanding OHV riding areas.	This project does not currently have an Environmental Study component.
7	Design for Conservation: please describe how your project/program considers water and habitat conservation. Example: how the trail features are designed to be sustainable while protecting environmentally sensitive areas or important wildlife habitat area.	The OHV road and trail maintenance initiative is focused on addressing the impact water flow is having on the existing system. The initiative is intended to implement projects that improve water drainage patterns and improve sustainability of the system by addressing erosion impacts. Improving current road and trail conditions will contribute to habitat conservation by providing users with a safe route that limits impact in a defined area and discourages creation of renegade trails. As the roads and trails become impassable, users will begin to create their own paths to circumvent access issues and safety hazards, thus potentially damaging environmentally sensitive wildlife habitat areas.
8	Existing Facilities: please describe how your project /program assists in the maintenance and/or rehabilitation of Existing Facilities. "Taking care of what is already there to protect the investment".	With 1,317 miles of OHV roads and 925 Miles of OHV trails documented in their Travel Management Plan this project is intended to provide RMJD with the equipment and labor resources to maintain the current OHV system to USFS standards. The initial focus will be addressing known maintenance needs on the Merritt Mountain Trail and Bruneau Road, but once complete will move on to other priority roads and trails around the district. Equipment requested for purchase is necessary to complete identified projects efficiently and safely and will be an

		extremely valuable resources for RMJD's future OHV road and trail maintenance program.
9	Leveraged Projects: please describe how your project/program leverages private, BLM, USFS, State, local government, or in-kind funding, services or donations (considered as investment in the project. Match is not required but is commended and will receive additional points).	In-Kind matching contributions derived from the difference in recognized volunteer labor rate and the volunteer rate Great Basin Institute AmeriCorps volunteers earn will be contributed to this project. RMJD will also provide in-kind matching contributions in the form of labor support for project assignment, management, and oversight, as well as additional equipment (i.e. 4x4 vehicle, trailer, snowmobile, etc.) required to implement the maintenance and snowmobile visitor use observations initiatives.
10	Partnering: Please describe coordination that has occurred with stakeholders, partners and the public in which all interests have had an opportunity to be heard related directly to this project/program.	GBI has the full support of RMJD staff, as well as Elko County Highway Department, Ruby Mtn. Snowmobile Club, and 5 th Gear Power Sports (local OHV equipment retailer). This strong cross section of public support highlights how important our project initiatives are to the local community.
11	Youth and Family Engagement: Please describe how your project/program helps to engage youth and families.	By utilizing Great Basin Institute's Nevada Conservation Corps AmeriCorps service program, this project will provide five youths with an opportunity to serve the state of Nevada and learn important public land and recreation management concepts. GBI's AmeriCorps Volunteer programs provide youth with an opportunity to support Nevada's communities and public lands through valuable and meaningful service projects, while gaining the skills and experience needed to launch a career in the field of natural resources management.
12	Economic Integration; Please describe how your project/program develops outdoor recreation opportunities that help local and/or regional economies grow (e.g., economic impact, additional OHV funding sources, improved user or business group participation).	This project focuses on improving current conditions for the region's expansive OHV road and trail systems and gaining a better understanding of winter recreation user needs. In doing so, this project will continue to enhance OHV recreational opportunities for the region and provide the foundation for attracting visitors to the area. The additional visitation to the region will have a direct impact to economic growth through tourism dollars.
13	Underserved populations: Please describe how your project/program helps to meet the needs of underserved regions and populations. (e.g., identify people and neighborhoods without access to trails, and establishes outdoor recreation opportunities for them; or creates new recreational opportunities not currently available in the area)	This project focuses on providing the region's rural communities with enhanced winter recreational opportunities, specifically snowmobile opportunities. With a growing user base and potential to attract visitors to the area, gaining a better understanding of visitor use and needs will ultimately improve snowmobiling resources and have a positive impact to the surrounding communities of Spring Creek and Lamoille Nevada.

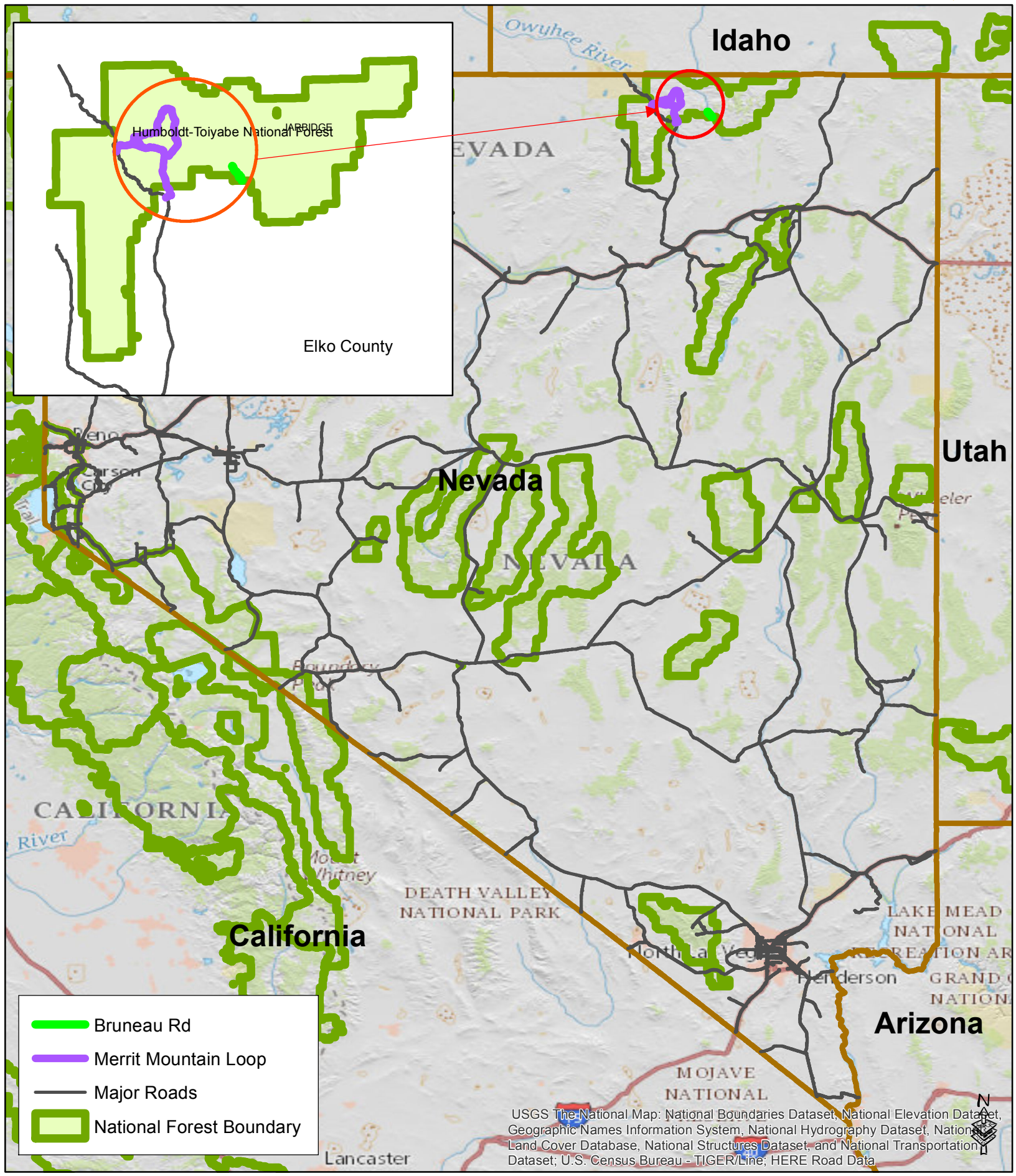
<p>14</p>	<p>Maintenance: <i>although this OHV grant program requires maintenance of all facilities funded for 25 years or the normal life of the project, we would like you to please describe HOW your project will be maintained and WHO has committed to the ongoing maintenance of the facility or continuation of the service/program. (Please also attach letter as described in Section VI).</i></p>	<p>As evidenced in the attached transmittal letter, this project has the full support of the US Forest Service Humboldt-Toiyabe National Forest Ruby Mountains/Mountain City/Jarbidge Ranger District. The US Forest Service is committed to the ongoing maintenance of their OHV road and trail system, as well as improving winter OHV recreational opportunities for the public.</p>
	<p><i>Additional justification or project history if you feel important and doesn't fit under a criterion listed above.</i></p>	<p><i>Type here</i></p>

Humboldt-Toiyabe National Forest Mountain City-Jarvis-Ruby Mountains Ranger District OHV Roads and Trails

1317 Miles of OHV Roads
925 Miles of OHV Trails

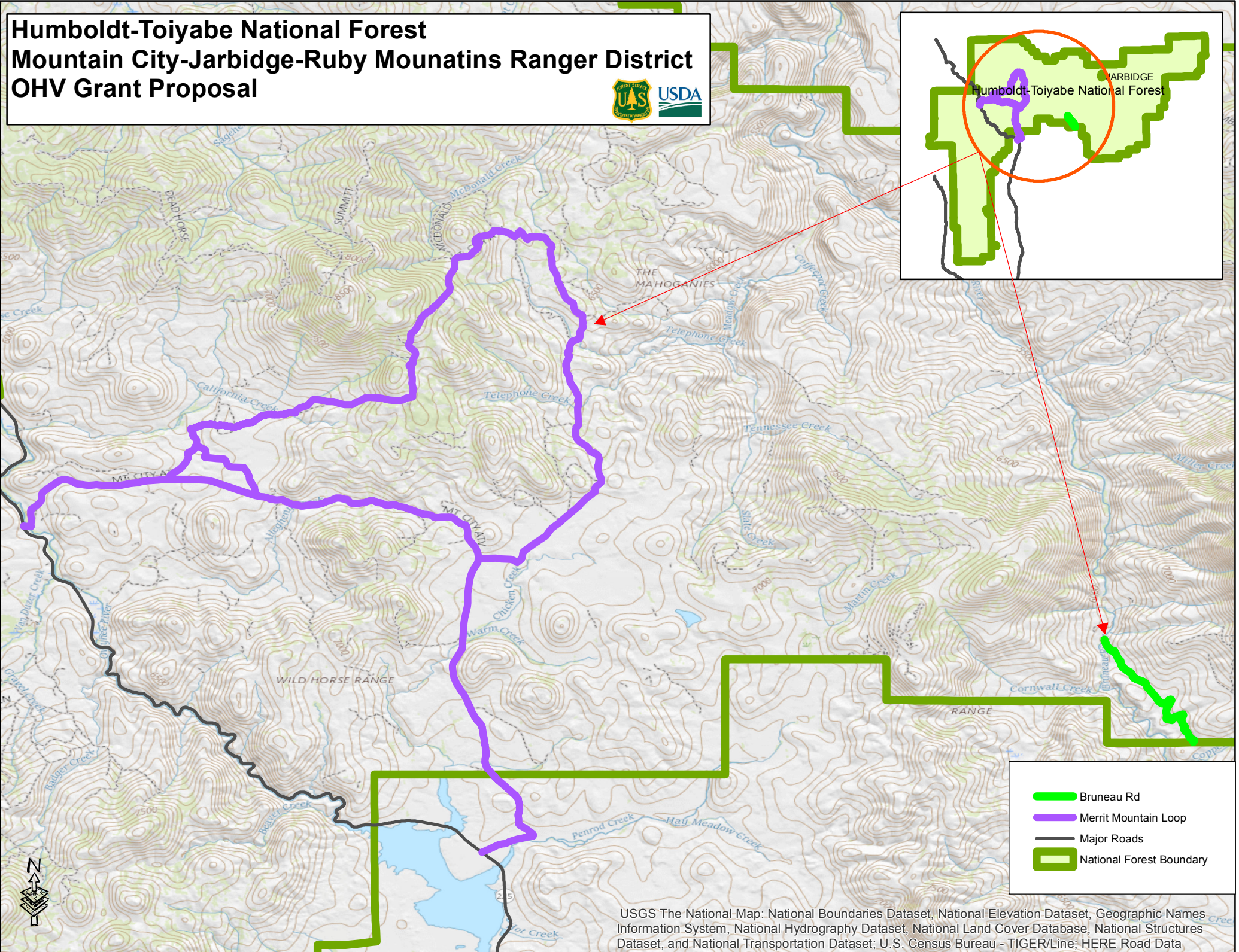
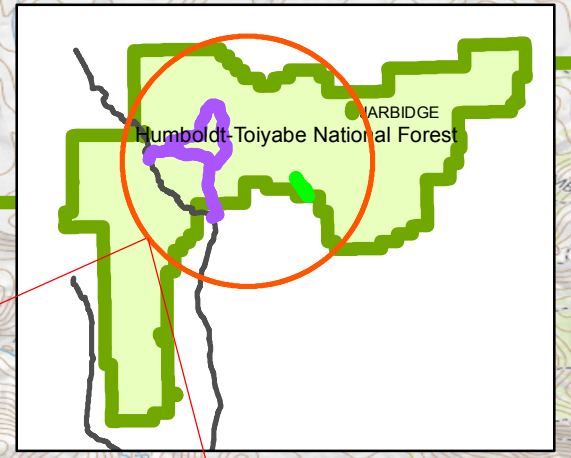


Humboldt-Toiyabe National Forest Mountain City-Jarbidge-Ruby Mountains Ranger District OHV Grant Proposal



USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; U.S. Census Bureau - TIGER/Line; HERE Road Data

Humboldt-Toiyabe National Forest Mountain City-Jarbridge-Ruby Mountains Ranger District OHV Grant Proposal

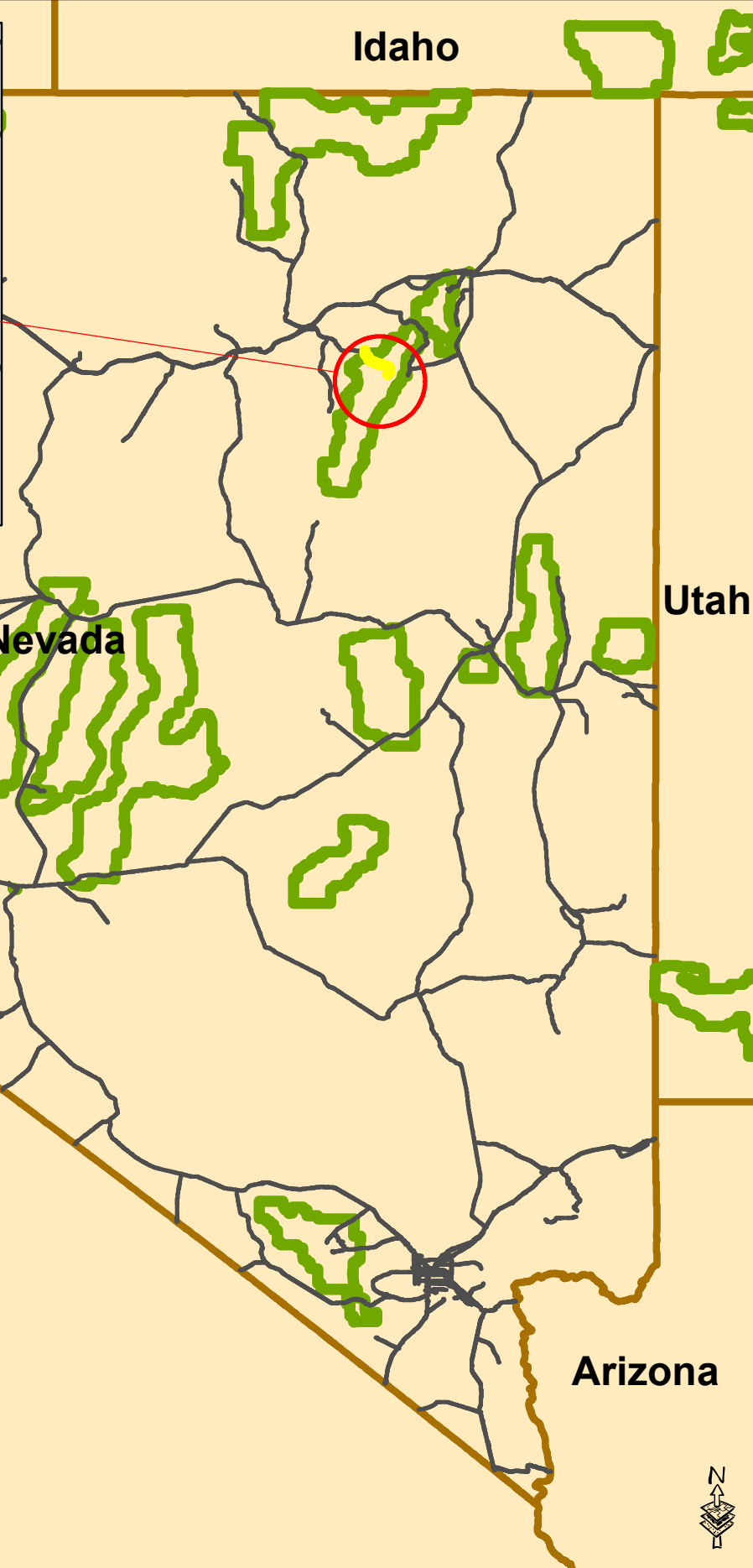
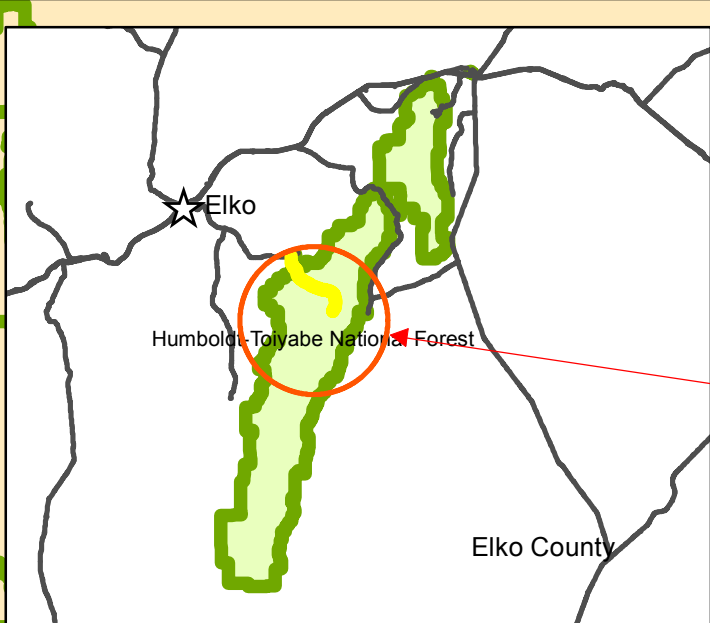





- Bruneau Rd
- Meritt Mountain Loop
- Major Roads
- National Forest Boundary



USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; U.S. Census Bureau - TIGER/Line; HERE Road Data

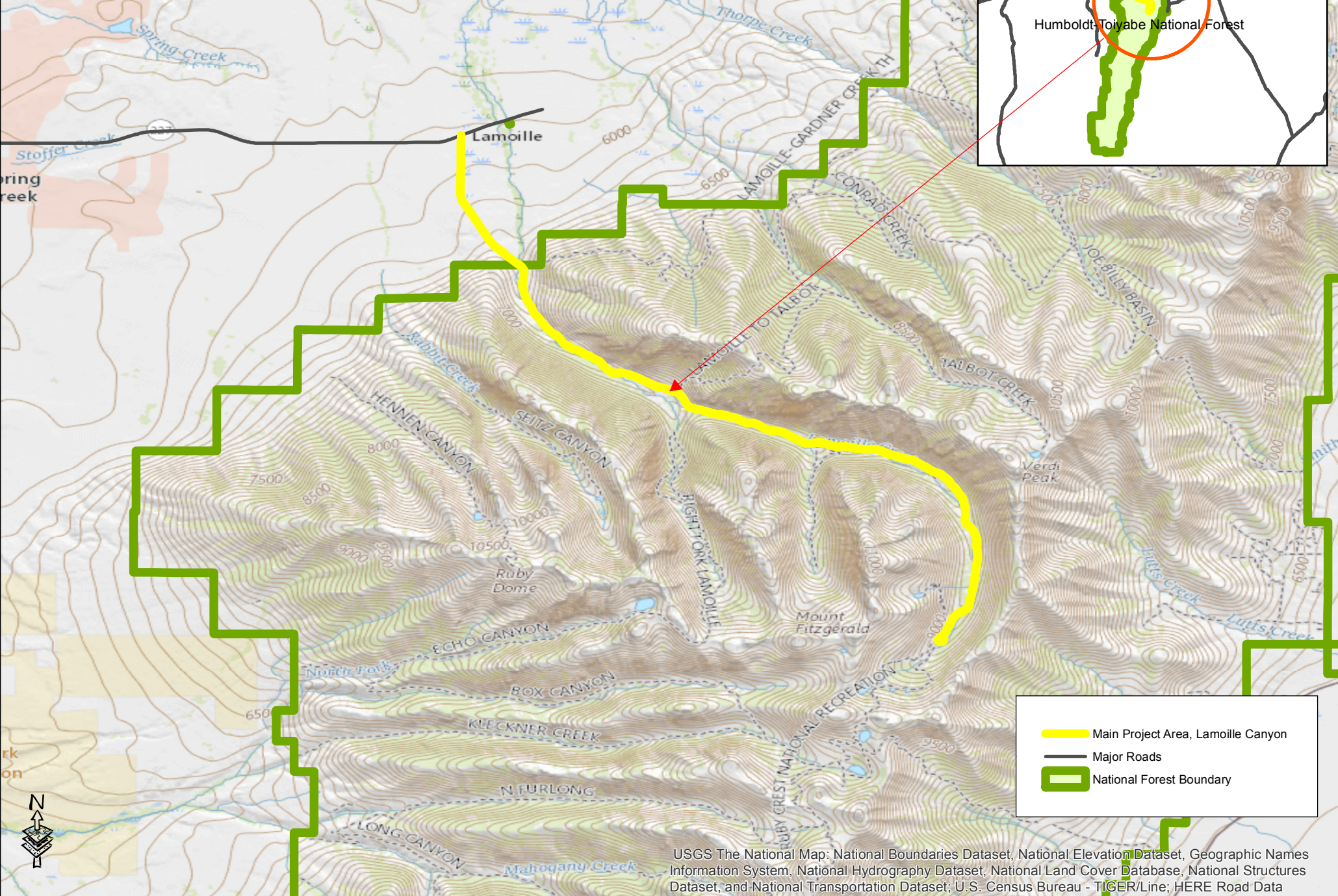
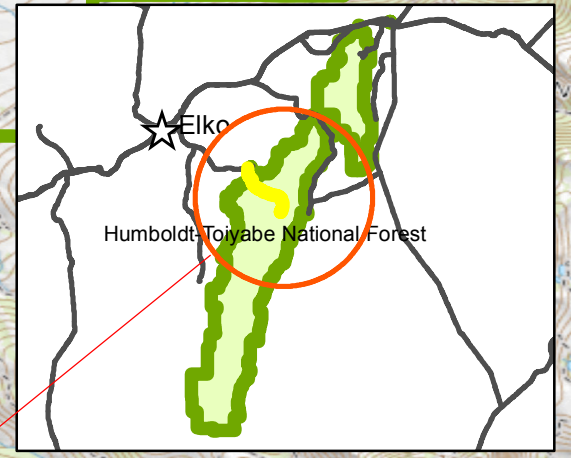
Humboldt-Toiyabe National Forest Mountain City-Jarvis-Ruby Mountains Ranger District Snowmobile/Winter Recreation Study



-  Main Project Area, Lamoille Canyon
-  Major Roads
-  National Forest Boundary



Humboldt-Toiyabe National Forest Mountain City-Jarbidge-Ruby Mountains Ranger District Snowmobile/Winter Recreation Study



- Main Project Area, Lamoille Canyon
- Major Roads
- National Forest Boundary

USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; U.S. Census Bureau - TIGER/Line; HERE Road Data



File Code: 1580
Date: October 31, 2017

To whom it may concern:

The above Off-Highway-Vehicle proposal has my approval as of Tuesday, October 31, 2017. This project is being submitted by the Great Basin Institute on behalf of the US Forest Service's Mountain City, Ruby Mountain, Jarbidge Ranger District. Receiving requested funding would provide the district with the following:

- Ability to purchase equipment and personnel to increase our capacity in maintaining our district's OHV trails and provide resources for long term OHV program support;
- Allow the district to observe winter recreational uses in Lamoille Canyon to gain a better understanding of the public's current use and needs for this popular winter sport area; and
- Ability to patrol popular OHV recreation areas to educate the public on NV's OHV Registration Program and OHV Safety best practices.

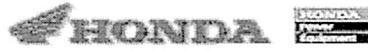
Completing the proposed scope of work allow for the continuation of outstanding outdoor recreational opportunities to the public and the economic benefits to the local communities that these provide. We (the US Forest Service) are committed to using these funds for maintaining our OHV trail system, maintaining equipment purchased with grant funding, and allowing for motorized access to our OHV trails for 25 years.

The project is located on public lands managed by the US Forest Service and is in conformance with the appropriate land management permits, licenses, clearances, and environmental analyses documentation necessary to comply with local, state and/or federal laws. This proposal is categorically excluded from environmental analysis, a decision document, and project case file under 36 CFR 220.6(d)(4); **Repair and maintenance of roads, trails, and landline boundaries.** The US Forest Service's interest in the subject land is sufficient in scope and authority to allow the applicant to complete the proposed project and operate and maintain the proposed project after its completion as stated by NAC 490.1355.

Sincerely,

JOSHUA NICHOLAS
Deputy District Ranger





Elko's Authorized Dealer

420 30th Street

Elko - Nevada 89801

Phone : 775-777-3373/775-738-8933

Fax : 775-753-9418/775-738-5692

October 20, 2017

To whom it may concern,

I am writing this letter in support of a grant proposal being submitted to the Nevada OHV commission, by the Great Basin Institute on behalf of the US Forest Service's Mountain City, Ruby Mountain, Jarbidge Ranger District. The US Forest Service manages hundreds of miles, of motorized roads and trails throughout Elko County. Receiving this funding would provide the Forest with greater ability to obtain much needed equipment and personnel; which would in turn offer the ability to protect trails and maintain them for years to come. Together this would allow the continuation of outstanding outdoor recreational opportunities to the public and the economic benefits to the local communities that these types of opportunities provide.

Sincerely

John D Glenn



ELKO COUNTY

Highway Department

994 River Street • Elko, Nevada 89801 • 775.738.5036 Tel • 775.753.4979 Fax

October 23, 2017

Joshua C Nicholes
Deputy District Ranger
Forest Service
140 Pacific Ave.
Wells, NV 89835

Subject: OHV Grant Support Letter

To whom it may concern,

I am writing this letter to show that the Elko County Highway Department supports the recent grant proposal being submitted to the Nevada OHV commission, by the Great Basin Institute on behalf of the US Forest Service's Mountain City, Ruby Mountain, Jarbidge Ranger District. The US Forest Service manages hundreds of miles, of both motorized, and non motorized, roads and trails throughout Elko County. Receiving this funding would provide the Forest with greater ability to obtain much needed equipment and personnel; which would in turn offer needed assistance in the maintenance of these important resources. Together this would allow the continuation of outstanding outdoor recreational opportunities to the public and the economic benefits to the local communities that these types of opportunities provide.

Respectfully,

Terry Lister
Elko County Road Supervisor

cc: Rob Stokes, Elko County Manager

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Ruby Mountains Snowmobile Club
c/o Randy Mauldin
427 Diamondback Drive
Spring Creek, NV 89815

October 22, 2017

Forest Service
Humboldt-Toiyabe National Forest,
Mountain City – Ruby Mountains – Jarbidge Ranger District
Attention: Jeremy Evans
140 Pacific Ave.
PO Box 246
Wells, NV 89835
(775) 752-3357

Re: Proposed Study

To whom it may concern,

The purpose of this letter is to provide support for a proposed study of winter recreation activities in Elko County by the Forest Service.

The Ruby Mountains Snowmobile Club is in the beginning stages of becoming organized and seeking non-profit status. Our 284-membership base is growing daily. Currently, we are the only snowmobile club in the state of Nevada. Our goal is to provide community education, rider safety, knowledge sharing, camaraderie, and cooperative partnerships with various interested parties such as the Forest Service.

We firmly believe that a winter recreation study, including snowmobile statistics, is in the best interest of the community. Other studies have shown the positive impact snowmobiling has on regional economics. The most recent study, Economic Impact and Importance of Snowmobiling in Idaho, published in June of 2017 showed an annual \$197.5 million economic impact for that state alone. Similar data is not available for Nevada.

If there are any questions regarding this matter, please feel free to contact me.

Sincerely,



Randy Mauldin
Acting President
Ruby Mountains Snowmobile Club

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Bruneau Road Project Photos



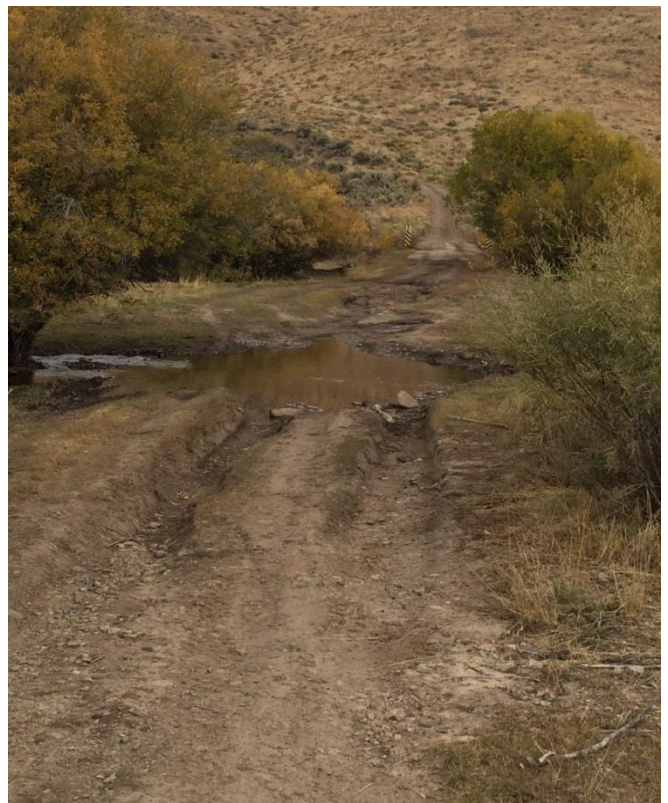
The pictures above show a scenario in which we would use the mini-ex to complete the following tasks: dig out the trees and brush from the upstream side of the road to prevent continued spread of the stream; bowling out the same area to accommodate funneling the water into a new culvert; digging the new trench for said culvert; gather and place boulders for rip-rap to protect and build up the outside edge of the road and stabilization of the 6ft high x 6ft wide x 20ft long cut on outside edge of road caused by the stream leaving its bed. Below are some more examples where the Mini-Ex would be used to help construct Rip-Rap for stabilization of the outside edge of the road as well as a picture of one of the potential rock sources.





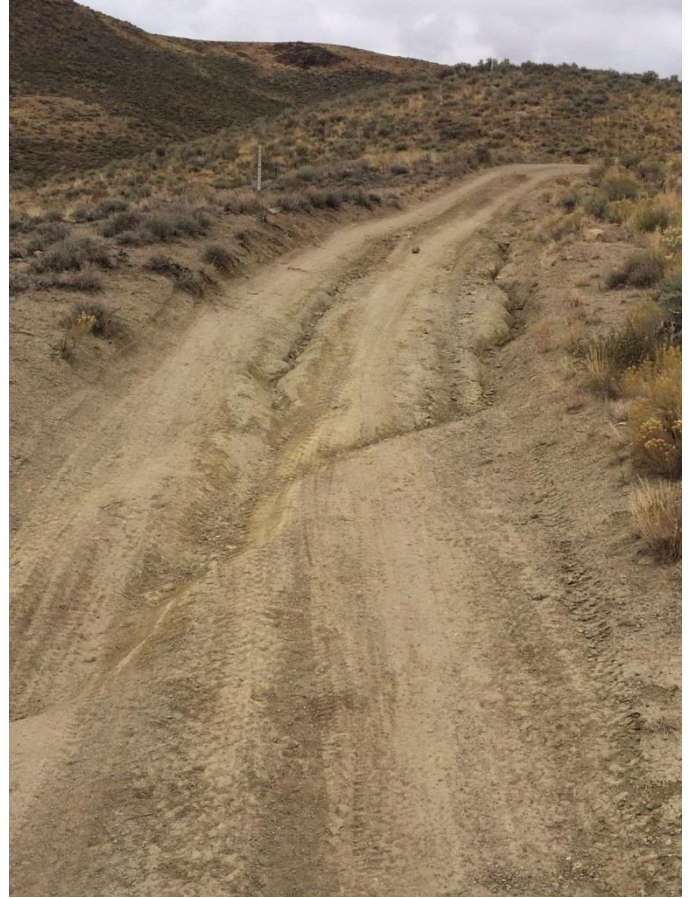
Above are two pictures from the same project site. This project site is another example of the loss of tread to extreme winter and spring runoff. The soil type in this canyon consists primarily of decomposing granite. The excessive spring runoff uprooted the brush and grasses that were holding this section of road together. Due to the nature of this canyon there is no room to push the road away from the now highly erodible outside edge. The goal would be to use the mini-ex to gather rock and boulders to be used in the construction of rock outside retaining wall.

The photo to the left shows the damages caused by the river, removing 50% of the road surface. The inside of the road is vertical rock canyon wall not leaving room to push the road away from the river. The mini-ex would allow for the gathering and placement of boulders while the Sutter would allow for the leveling and regrading of the tread.



Above are examples of project sites requiring use of the mini-ex to clear away brush/small trees and reopen the drainage pattern. The Sutter would be used for leveling and regrading of the tread surface.

Merritt Mountain Trail Project Photos



Above are examples of erosion damage to the Merritt Mtn Trail where the use of the Sutter is required to level and regrade the tread surface, create a drainage pattern controlling water flow, create drainages along the roadside, and install additional erosion control features as needed (i.e. Rolling Grade Reversals). The 60 mile trail loop contains multiple project sites similar to those pictured above where water has significantly eroded away the road surface, creating an unsafe and unsustainable trail surface.

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7. Work performed by certified welders

(see price list for full listing of optional items and attachments)

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SPECIFICATIONS*

ENGINE

MakeMitsubishi Turbo
EPA Rating Tier 3
Fuel Diesel
Horse Power 83 HP @ 3000 RPM
.....(Interim Tier 4 – 100 HP)
Type 4 Cylinders
Cooling Medium..... Water
Electrical System 12 Volts
Max Inclination, all angles.....35°
Fuel Consumption (Avg)..... 1.0 Gal/Hr

TRANSMISSION

Sauer-Danfoss twin hydrostatic pumps and Auburn
Gear torque hubs

STEERING

Dual controls, full hydrostatic, counter rotating (STD)
Other options available

HYDRAULICS

Gear pump 15-20 G.P.M. 2200 PSI triple filtration, 10
micron

UNDERCARRIAGE

Make Berco
Track Frame Rigid Frame
Track Rollers..... 1 Top, 5 Bottom
Shoes per Track 30
Track Width x Length 11" x 62"
Ground Pressure 6.5 PSI

SERVICE REFILL CAPACITY

Fuel Tank 28 Gal
Hydraulic System 30Gal
Crankcase.....6 Qt
Cooling System 3 Gal

FRAME

½" high tensile steel, unitized with full belly pan,
hardened steel pins and bushings, designed for
heavy dozer services, rock guards AR plate.

SPECIFICATIONS

Width 48"
Length (with blade & rippers) 13'1"
Height 6'8"
Ground Clearance 8"
Gross Weight (with blade & rippers)..... 9000 lbs
Travel Speed 0-5 MPH
Max Blade Lift..... 24"
Max Blade Drop..... 24"
Max Blade Angle..... 30°
Max Blade Tilt..... 25°

STANDARD FEATURES

- Blade 6 Way with Lift & Tilt Float
- Rippers, 3 shank
- Turbo
- Seat Belt
- ROPS (OSHA certified)
- Warning Lights
- Vandal Protection Kit
- Tach/Hourmeter, Fuel, Oil, Water Temp &
Hydraulic Oil Gauges
- Cold Weather Starting
- Heavy Duty Engine Cooling System
- Auxiliary Hydraulics
- Side Brush Screens
- Hydraulic Oil Cooler
- Rock Guards
- Safety Brake
- Limb Risers
- Draw Bar
- Dry Cell Battery
- Foot and Arm Rests
- Brass Wear Plates
- Powder Coat Finish
- Minimum 2" clearance between tracks and full
length of trail dozer body for cleaning/maint.

ATTACHMENTS/OPTIONS/EQUIPMENT

- See Attachment Brochure and Price List

*Specifications subject to change without notice.

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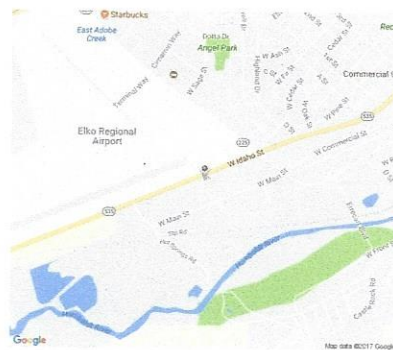
www.sutterequipment.com

Northern Nevada Equipment

1343 W Idaho St
Elko, NV (Nevada) 89801
Call Us: (775) 777-3092
<http://www.northernnevadaequipment.com/>



2015 KUBOTA U25S SELLING PRICE - CLICK FOR A QUOTE



Mini Ex \$34,590.00
Thumb \$ 2,258.00
\$38,848.00

INFORMATION

U25S

- Clean-running Kubota Engine (Tier IV):

Powerful and dependable, the U25S's diesel engine delivers superior horsepower and performance. It offers low noise and vibration levels, exceptional fuel efficiency, and complies with the EPA's 2008 Tier IV emissions regulations.

- Zero Tail Swing:

Tough job got you in a corner? Put a U25S to work on it. Zero-tail swing keeps the tail within the width of the tracks, so you can turn the house throughout its 360-degree turning radius without worrying about what is to the side or behind you. Zero-tail swing also ensures excellent balance, stability and fast operation, making the U25S ideal for jobs in congested urban areas.

- **Digital Panel:**

Kubota's Intelligent Control System can help reduce downtime and repair fees by providing timely diagnostic readings and routine maintenance alerts. The large digital panel displays current working conditions, warning indicators, engine rpm and hour meter, fuel, temperature and oil levels. The panel not only lets you know when fuel is running low, but alerts you during refueling when the tank is nearly full.

- **Strong Bucket Breakout Force:**

The U25S offers a powerful breakout force: 5,765 pounds with the dedicated bucket and quick coupler. That's more than enough to keep the U25S working efficiently even under heavy loads on tough excavating jobs.

- **Thumb Bracket and Relief Valve as Standard:**

The optional hydraulic thumb allows you to handle a variety of loading and digging jobs without stopping to change implements. It works with the bucket to pinch materials for loading and carrying. When no longer needed, it retracts to permit normal excavation. The U25S's factory-installed thumb bracket and relief valve significantly reduce the time needed to mount the hydraulic thumb.

PHOTOS



HIGHLIGHTS

- **Location** Elko, Nevada
- **Condition** New
- **Stock Number** 50944
- **Year** 2015
- **Make** Kubota
- **Model** U25S
- **VIN** 50944
- **Color** Orange
- **Engine** Kubota D1105-E3
- **Fuel Type** Diesel
- **Status** Available

SPECIFICATIONS

2015 Kubota U25S Base

Year

2015

Manufacturer	Kubota
Model Name	U25S
Trim Name	Base
Generic Type (Primary)	Compact
Features	
Model Id	U25S
Track Type	Rubber
Engine	Kubota D1105-E3
Engine Power	19.8 (14.8) / 2,400 - HP (kW)/rpm (net)
Displacement	68.5 (1,123) cu.in. (cc)
Dimensions	
Overall Length	13'7" (4,150) ft.in. (mm)
Overall Height	7'11" (2,420) ft.in. (mm)
Overall Width	4'11" (1,500) ft.in. (mm)
Ground Clearance	11.2" (285) ft.in. (mm)
Hydraulics	
Hydraulic Pump	7.6 (28.8) Piston × 2 / 5.1 (19.2) Gear × 1 GPM. (Lts/min)
Hydraulic Flow	12.7 (48) GPM. (Lts/min) - Auxiliary
Drivetrain	
Top Speed	1.6 (2.5) / 2.9 (4.5) mph (km/h) - Low / High
Drive System	3.32 (0.23) psi (kgf/cm ²) - Ground contact pressure
Performance	
Swingarm	75 / 55 degree - Boom swing angle (Left / Right)
Hydraulic Capacity	5.8 (22) / 9.8 (37) gal (Lts) - (reservoir/system)
Fuel Reserve	7.4 (28) gal (Lts)
Weight, In Running Order	5,625 (2,550) lbs.(kgf)h