

## CHECKLIST ENVIRONMENTAL ASSESSMENT

<b>Project Name:</b>	Easement application for the installation of a buried fiber optic cable to upgrade 3 Rivers Telephone Co-Op Inc.'s current facilities and services in the Fairfield exchange serving area in and around Fairfield, MT.
<b>Proposed Implementation Date:</b>	Spring/Summer 2017
<b>Proponent:</b>	3 Rivers Telephone Co-Op Inc., PO Box 429, Fairfield, MT 59436
<b>Location:</b>	See below list of tracts.
<b>County:</b>	Teton
<b>Trust:</b>	Western/Eastern (W/E)

### I. TYPE AND PURPOSE OF ACTION

3 Rivers Telephone Co-Op Inc. has requested to install a buried fiber optic cable in order to upgrade their facilities and services in the Fairfield exchange serving area in and around Fairfield, MT. The proposed easement route is located just off of the edge of the county road. The fiber optic cable will cross 1 tract of state land. The fiber optic cable will be buried 36" to 42" deep and will be installed using a vibratory plow. Any of the crossings of the Muddy Creek or the BNSF RR will be installed with a directional boring machine. The easement will be 10.00' wide through the state owned tract.

Township	Range	Section	Fiber Optic Cable Location	Acres Affected	Trust	County
23N	2W	35	NW4SW4	0.3340	W/E	Teton
<b>TOTAL</b>				<b>0.3340</b>	<b>W/E</b>	

### II. PROJECT DEVELOPMENT

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- 1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED:**  
*Provide a brief chronology of the scoping and ongoing involvement for this project.*  
 3 Rivers Telephone Co-Op Inc.-Proponent  
 DNRC-Surface Owner  
 Alvy Brady-Surface Lessee, Lease #5181
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- 2. OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION, LIST OF PERMITS NEEDED:**  
 The applicant is required to a 310 permit for construction in and around Muddy Creek.
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- 3. ALTERNATIVES CONSIDERED:**  
 Alternative A (No Action) – Deny 3 Rivers Telephone Co-Op Inc. permission to install the buried fiber optic cable.  
  
 Alternative B (the Proposed action) – Grant 3 Rivers Telephone Co-Op Inc. permission to install the buried fiber optic cable.

### III. IMPACTS ON THE PHYSICAL ENVIRONMENT

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" if no impacts are identified or the resource is not present.*

#### 4. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE:

*Consider the presence of fragile, compactable or unstable soils. Identify unusual geologic features. Specify any special reclamation considerations. Identify any cumulative impacts to soils.*

Soils at the proposed project site are silty in texture. The topography is gently rolling and the fiber optic cable will be installed along an existing county road. These soils and slopes are generally suitable for the installation of the buried fiber optic cable. Equipment will cause localized areas of soil compaction and will disturb the soil were the buried fiber optic cable is being placed. Reclamation requirements are to compact and level the plow scar created in the installation of the buried fiber optic cable. Then, seed the impacted area with the existing grass types and seeding rates that are listed in item 7 of this assessment. Cumulative impacts on soil resources are not expected as the use of a vibratory plow will minimize the surface disturbance caused by the construction project. Equipment will not be placed in the riverbed, so no damage to the soils is expected due to the proposed project. Cumulative impacts on soil resources are not expected as the use of a direction boring machine will minimize the surface disturbance caused by the construction project.

#### 5. WATER QUALITY, QUANTITY AND DISTRIBUTION:

*Identify important surface or groundwater resources. Consider the potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality. Identify cumulative effects to water resources.*

There are numerous water rights associated with this tract; however none of these water rights will be impacted by the proposed easement. Other water quality and/or quantity issues will not be impacted by the proposed action.

#### 6. AIR QUALITY:

*What pollutants or particulate would be produced? Identify air quality regulations or zones (e.g. Class I air shed) the project would influence. Identify cumulative effects to air quality.*

The proposed action will not impact the air quality.

#### 7. VEGETATION COVER, QUANTITY AND QUALITY:

*What changes would the action cause to vegetative communities? Consider rare plants or cover types that would be affected. Identify cumulative effects to vegetation.*

Vegetation will be minimally impacted as approximately 0.28 miles of buried fiber optic cable will be installed by the utilization of a vibratory plow, except for under Muddy Creek and the BNSF RR which will be installed by a direction boring machine. The vegetation consists primarily of native species and introduced species. Noxious and annual weeds within the proposed construction areas are a concern, but this concern will be mitigated as the applicants are responsible for controlling weeds within the construction areas. Cumulative impacts on the vegetative resources are not expected as the proposed construction areas will be reclaimed and reseeded. The reseeding mixture will consist of a grass seed mixture of 35% Western Wheatgrass, 35% Slender Wheatgrass, 15% Bluebunch Wheatgrass, 10% Green Needle grass, and 5% Lewis blue flax. If drilled the rate will be 8#/acre, but if broadcast seeded, the rate will be doubled.

A review of Natural Heritage data through the NRIS was conducted for T23N, R2W: There were no plant species of concern noted or potential species of concern noted on the NRIS survey.

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**8. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS:**

*Consider substantial habitat values and use of the area by wildlife, birds or fish. Identify cumulative effects to fish and wildlife.*

This area is not considered critical wildlife habitat. However, this tract provides habitat for a variety of big game species (mule deer, whitetail deer, and pronghorn antelope), predators (coyote, fox, and badger), upland game birds (sharp tail grouse, Hungarian partridge), other non-game mammals, raptors and various songbirds. The proposal does not include any land use change which would yield changes to the wildlife habitat. The proposed action will not impact wildlife forage, cover, or traveling corridors. Nor will this action change the juxtaposition of wildlife forage, water, or hiding and thermal cover. Wildlife usage is expected to return to "normal" (pre-action usage) following the installation of the buried fiber optic cable. The proposed action will not have long-term negative effects on existing wildlife species and/or wildlife habitat.

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**9. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES:**

*Consider any federally listed threatened or endangered species or habitat identified in the project area. Determine effects to wetlands. Consider Sensitive Species or Species of special concern. Identify cumulative effects to these species and their habitat.*

There are no threatened or endangered species, sensitive habitat types, or other species of special concern associated with the proposed project area. At this time, no known unique, endangered, fragile or limited environmental resources have been identified within the proposed project area.

A review of Natural Heritage data through the NRIS was conducted for T23N, R2W. There were zero species of concern and one potential species of concern noted on the NRIS survey: Fish- Brassy Minnow. This particular tract of grazing land does not contain many, if any of these species. Threatened or endangered species, sensitive habitat types, or other species of special concern or potential species of concern will not be impacted by the installation of a buried fiber optic cable.

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**10. HISTORICAL AND ARCHAEOLOGICAL SITES:**

*Identify and determine effects to historical, archaeological or paleontological resources.*

A Class I (literature review) level review was conducted by the DNRC staff archaeologist for the area of potential effect (APE). This entailed inspection of project maps, DNRC's sites/site leads database, land use records, General Land Office Survey Plats, and control cards. The Class I search revealed that no cultural or paleontological resources have been identified in the APE. No on-the-ground additional archaeological investigative work will be conducted in response to this proposed development. However, if previously unknown cultural or paleontological materials are identified during project related activities, all work will cease until a professional assessment of such resources can be made.

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**11. AESTHETICS:**

*Determine if the project is located on a prominent topographic feature, or may be visible from populated or scenic areas. What level of noise, light or visual change would be produced? Identify cumulative effects to aesthetics.*

Installation of the buried fiber optic cable will not affect the aesthetics of the land in any way as it will not be visible. It will lead to no erosion of the soil resources on the tracts as the line is located below the soil surface.

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**12. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY:**

*Determine the amount of limited resources the project would require. Identify other activities nearby that the project would affect. Identify cumulative effects to environmental resources.*

The demand on environmental resources such as land, water, air, or energy will not be affected by the proposed action. The proposed action will not consume resources that are limited in the area. There are no other projects in the area that will affect the proposed project.

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**13. OTHER ENVIRONMENTAL DOCUMENTS PERTINENT TO THE AREA:**

*List other studies, plans or projects on this tract. Determine cumulative impacts likely to occur as a result of current private, state or federal actions in the analysis area, and from future proposed state actions in the analysis area that are under MEPA review (scoped) or permitting review by any state agency.*

There are no other projects or plans being considered on the tract listed on this EA.

<b>IV. IMPACTS ON THE HUMAN POPULATION</b>
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| <ul style="list-style-type: none"><li>• <i>RESOURCES</i> potentially impacted are listed on the form, followed by common issues that would be considered.</li><li>• Explain <i>POTENTIAL IMPACTS AND MITIGATIONS</i> following each resource heading.</li><li>• Enter "NONE" if no impacts are identified or the resource is not present.</li></ul> |
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**14. HUMAN HEALTH AND SAFETY:**

*Identify any health and safety risks posed by the project.*

The proposed project will not change human safety in the area.

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**15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:**

*Identify how the project would add to or alter these activities.*

The results of this project will not affect the industrial, commercial, or agricultural activities or production in the area.

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**16. QUANTITY AND DISTRIBUTION OF EMPLOYMENT:**

*Estimate the number of jobs the project would create, move or eliminate. Identify cumulative effects to the employment market.*

This project will not create any new jobs, as the project will be completed in house by the proponent.

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**17. LOCAL AND STATE TAX BASE AND TAX REVENUES:**

*Estimate tax revenue the project would create or eliminate. Identify cumulative effects to taxes and revenue.*

The proposed action will add to the tax revenue.

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**18. DEMAND FOR GOVERNMENT SERVICES:**

*Estimate increases in traffic and changes to traffic patterns. What changes would be needed to fire protection, police, schools, etc.? Identify cumulative effects of this and other projects on government services*

This project is of a small scale and being funded by 3 Rivers Telephone Co-Op Inc. There will be no excessive stress placed of the existing infrastructure of the area.

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**19. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS:**

*List State, County, City, USFS, BLM, Tribal, and other zoning or management plans, and identify how they would affect this project.*

The proposed action is in compliance with State and County laws. No other management plans are in effect for the area.

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**20. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES:**

*Identify any wilderness or recreational areas nearby or access routes through this tract. Determine the effects of the project on recreational potential within the tract. Identify cumulative effects to recreational and wilderness activities.*

This proposed project area is next to an existing county road which generally has low recreational value. This tract is legally accessible and the proposed action is not expected to impact general recreational and wilderness activities on these state tracts.

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**21. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING:**

*Estimate population changes and additional housing the project would require. Identify cumulative effects to population and housing*

The proposal does not include any changes to housing or developments.

No direct or cumulative effects to population or housing are anticipated.

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**22. SOCIAL STRUCTURES AND MORES:**

*Identify potential disruption of native or traditional lifestyles or communities.*

There are no native, unique or traditional lifestyles or communities in the vicinity that would be impacted by the proposal.

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**23. CULTURAL UNIQUENESS AND DIVERSITY:**

*How would the action affect any unique quality of the area?*

The proposed action will not impact the cultural uniqueness or diversity of the area.

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**24. OTHER APPROPRIATE SOCIAL AND ECONOMIC CIRCUMSTANCES:**

*Estimate the return to the trust. Include appropriate economic analysis. Identify potential future uses for the analysis area other than existing management. Identify cumulative economic and social effects likely to occur as a result of the proposed action.*

This project will benefit the school trust in terms of the \$50.00 fee generated from the easement application for a total of \$50.00. The easement on the Western/Eastern trust land will be compensated at fair market value. Cumulative impacts are not likely as the area is only used for agriculture, hay, or grazing and the buried fiber optic cable will not affect the long-term viability of the tract.

<b>EA Checklist Prepared By:</b>	<b>Name:</b> Tony Nickol	<b>Date:</b> February 3, 2017
	<b>Title:</b> Land Use Specialist, Conrad Unit, Central Land Office	

## V. FINDINGS

### 25. ALTERNATIVE SELECTED:

Alternative B (the Proposed action) – Grant 3 Rivers Telephone Co-Op Inc. permission to install the buried fiber optic cables.

### 26. SIGNIFICANCE OF POTENTIAL IMPACTS:


The applicant is applying for an easement across state land with a buried fiber optic cable. This projected will provide area residents with upgraded (state of the art) telecommunications services. Significant impacts are not anticipated as a result of the selected alternative. Disturbed areas will be reclaimed and reseeded in accordance with specifications outlined in this EAc. The surface lessee's have been notified and do not anticipate any damages.

### 27. NEED FOR FURTHER ENVIRONMENTAL ANALYSIS:

EIS

More Detailed EA

No Further Analysis

<b>EA Checklist Approved By:</b>	<b>Name:</b> Erik Eneboe
	<b>Title:</b> Conrad Unit Manger, CLO, DNRC
<b>Signature:</b> 	<b>Date:</b> February 9, 2017