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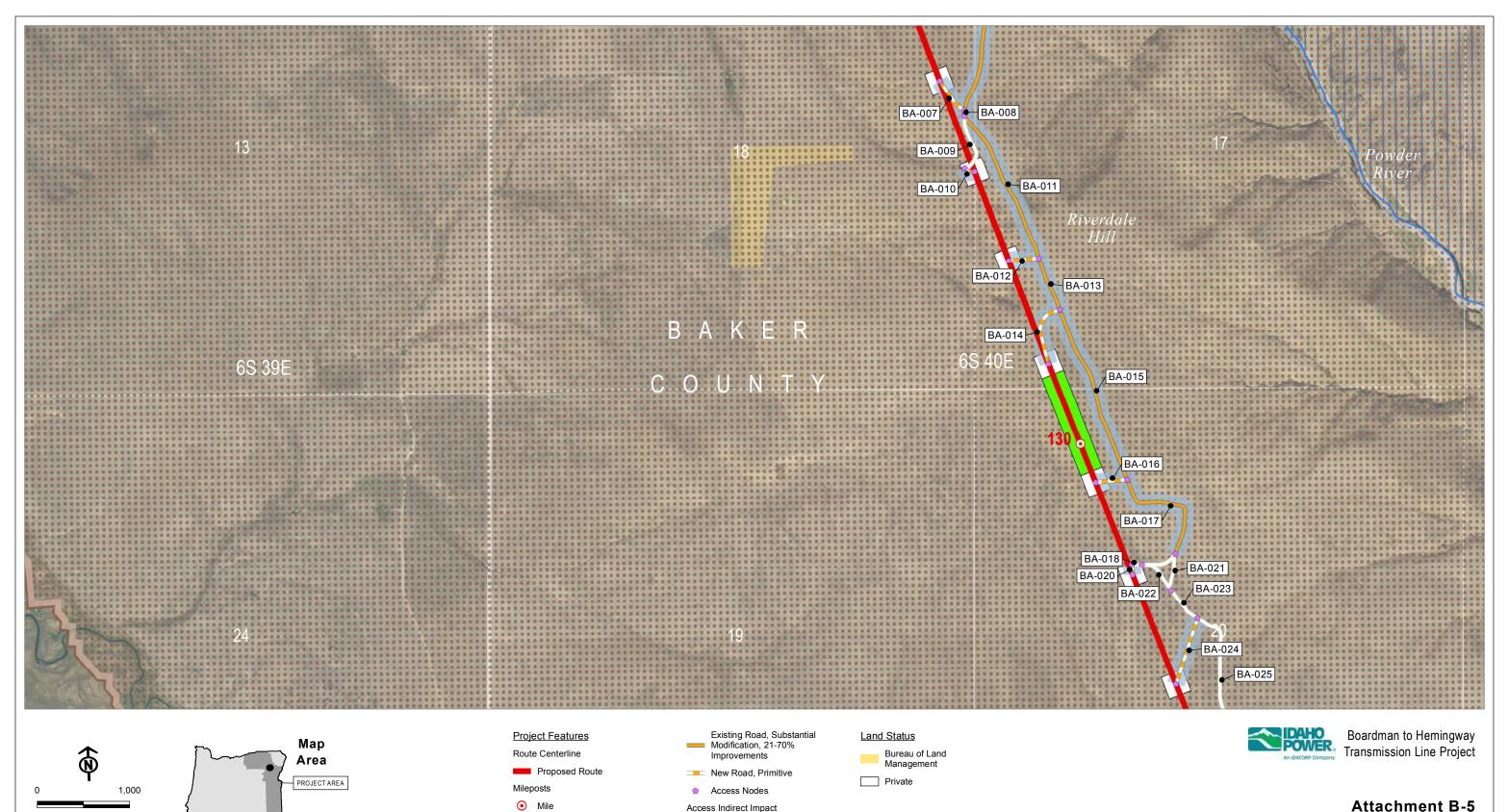
Calculations

Wildlife Habitat Sage-grouse Low Density & General Habitat Elk Winter Range Land Status Bureau of Land Management Private

Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County

November 2016



Elk Winter Range

Work Areas

Access

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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November 2016

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Pulling and Tensioning

Existing Road, No Substantial Modification, 0-

20% Improvements

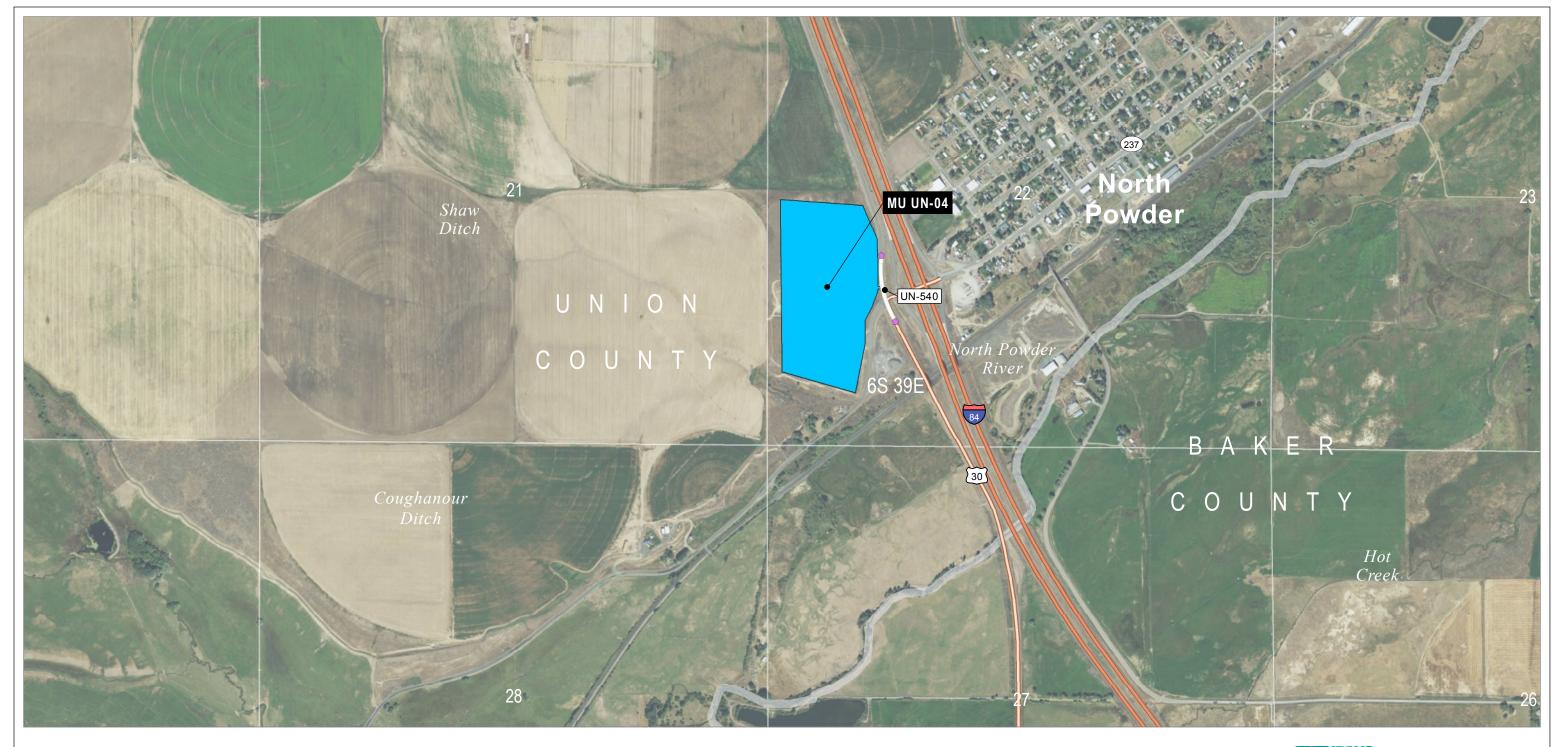
Structure Work Area

Access Controlled, Not Included in Indirect Impact Calculations

Wildlife Habitat

Sage-grouse Low Density & General Habitat

Road Classification Guide and
Access Control Plan
Proposed Route
Baker County





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Work Areas

Multi-Use Area

ccess

Existing Road, No

Substantial Modification, 020% Improvements

Access Nodes

Land Status

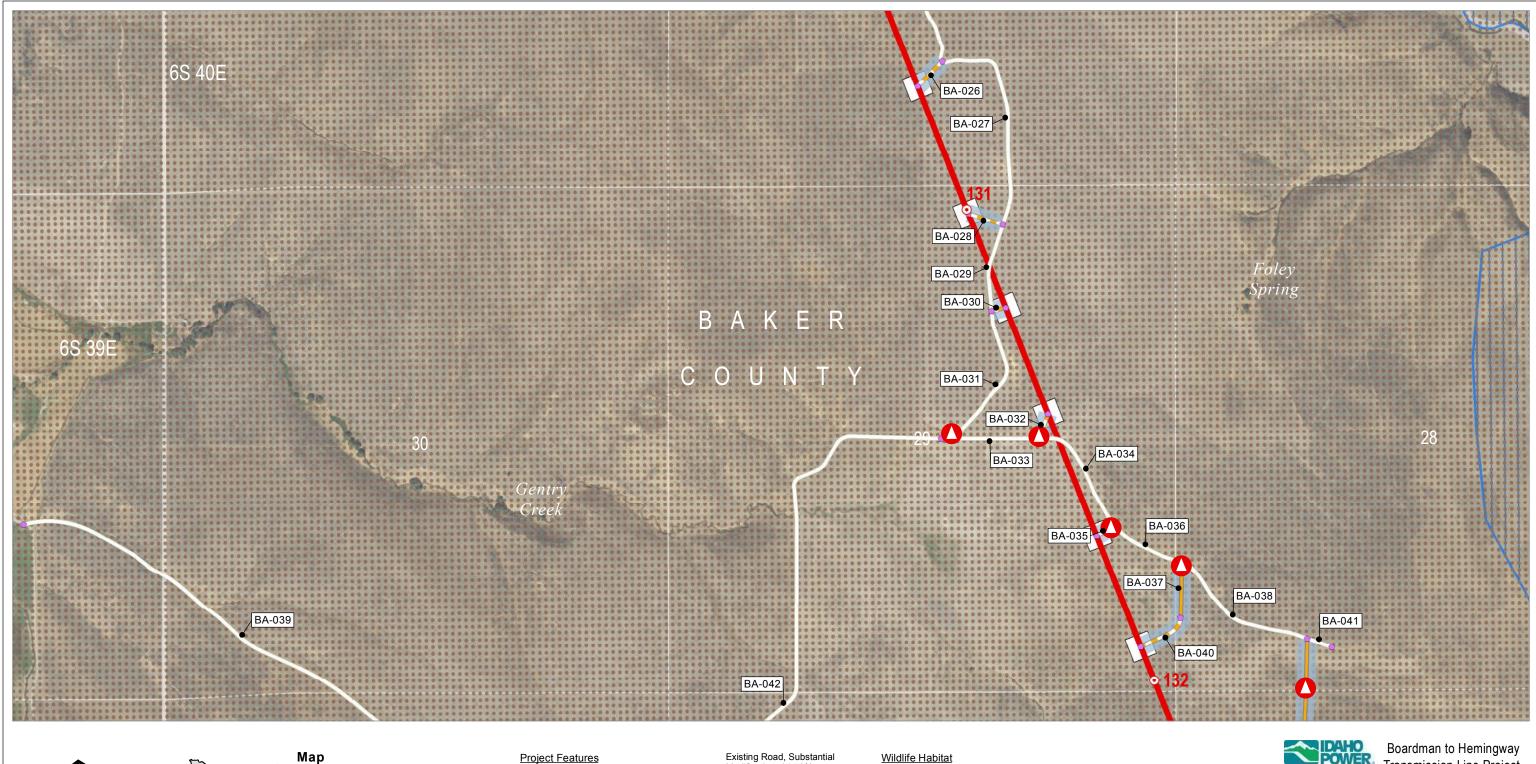
Private



Boardman to Hemingway Transmission Line Project

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Union County

November 2016





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November 2016



Existing Road, Substantial Modification, 21-70% Wildlife Habitat Sage-grouse Low Density & General Habitat Improvements New Road, Primitive Elk Winter Range Access Nodes Land Status Access Control Private Access Control Location Access Indirect Impact

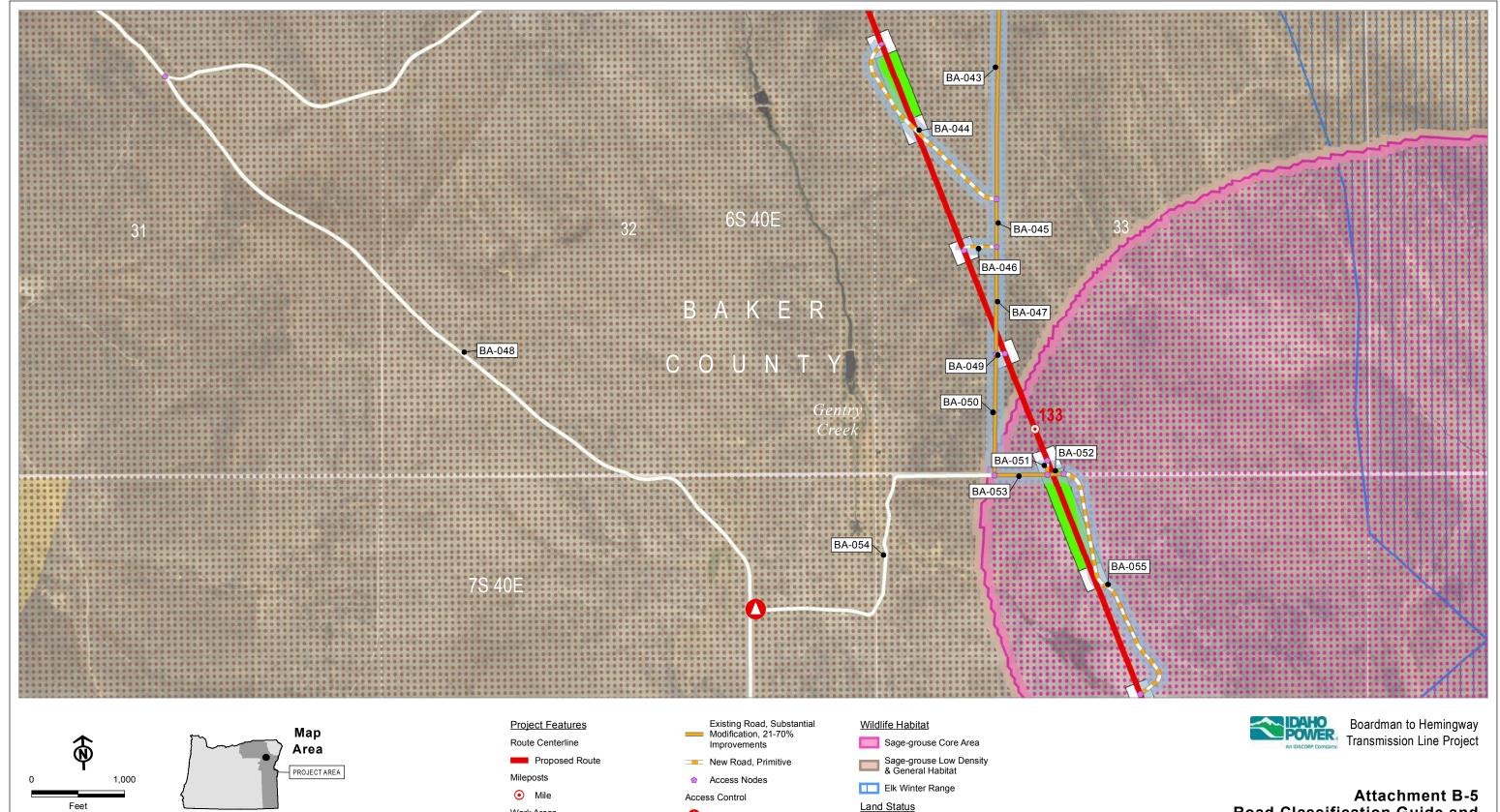
Access Controlled, Not

Calculations

Included in Indirect Impact



**Attachment B-5 Road Classification Guide and Access Control Plan Proposed Route** Baker County



Access Control Location

Access Controlled, Not Included in Indirect Impact

Access Indirect Impact

Calculations

Work Areas

Access

Pulling and Tensioning

Existing Road, No Substantial Modification, 0-

20% Improvements

Structure Work Area

Bureau of Land Management

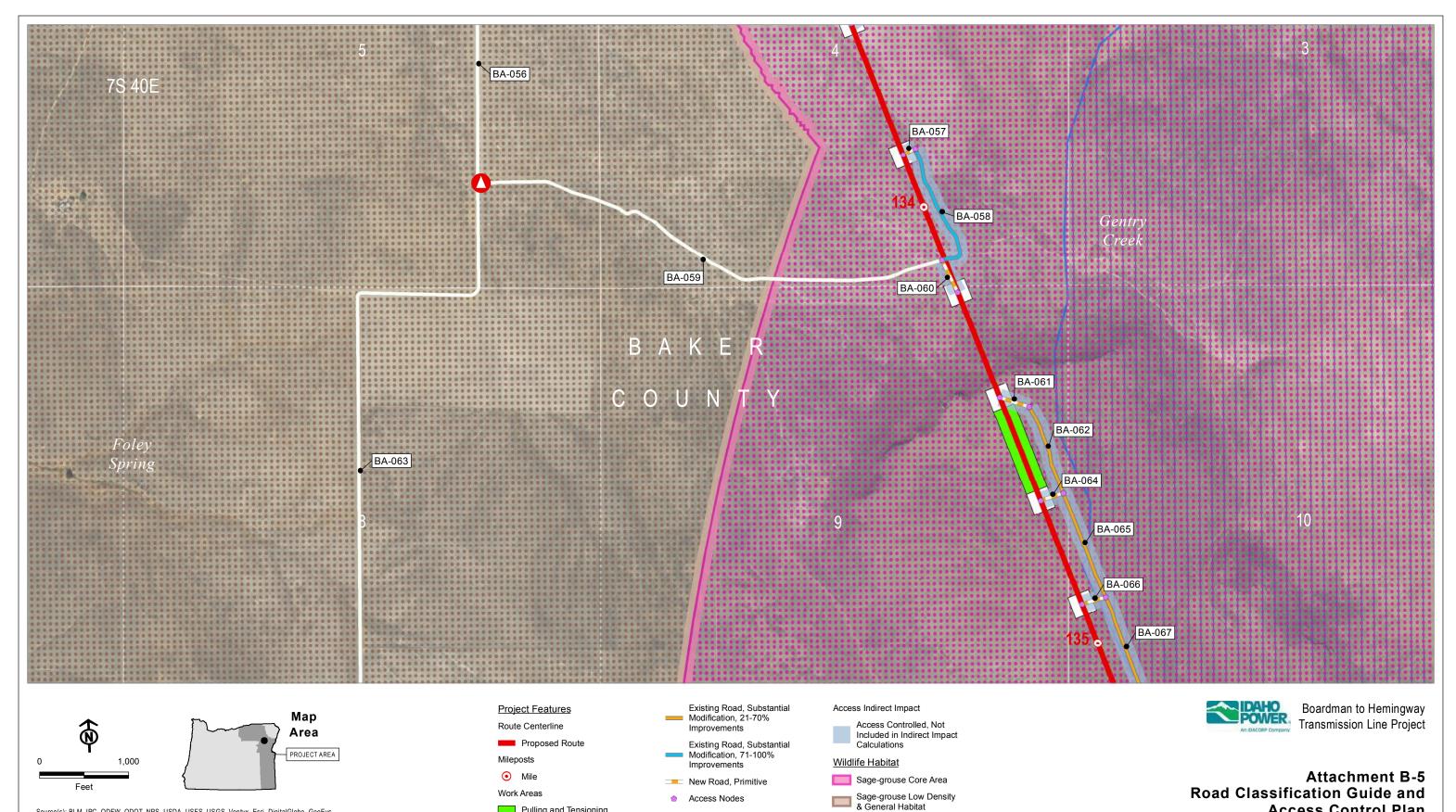
Private

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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November 2016

**Attachment B-5 Road Classification Guide and Access Control Plan Proposed Route** Baker County



Access Control

Access Control Location

Elk Winter Range

Land Status

Private

Pulling and Tensioning

Existing Road, No Substantial Modification, 0-

20% Improvements

Structure Work Area

Access

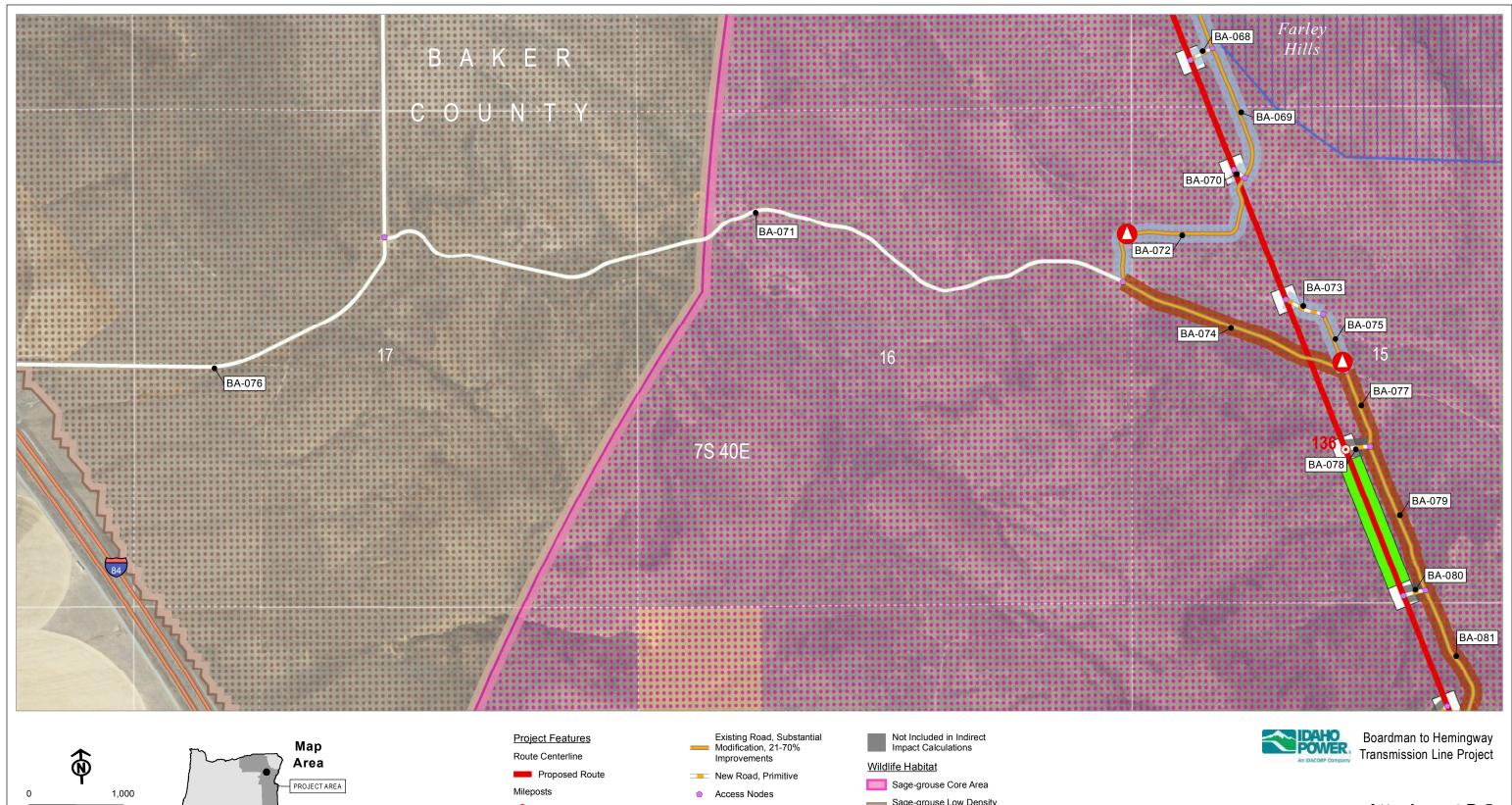
**Access Control Plan Proposed Route Baker County** 

November 2016

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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November 2016



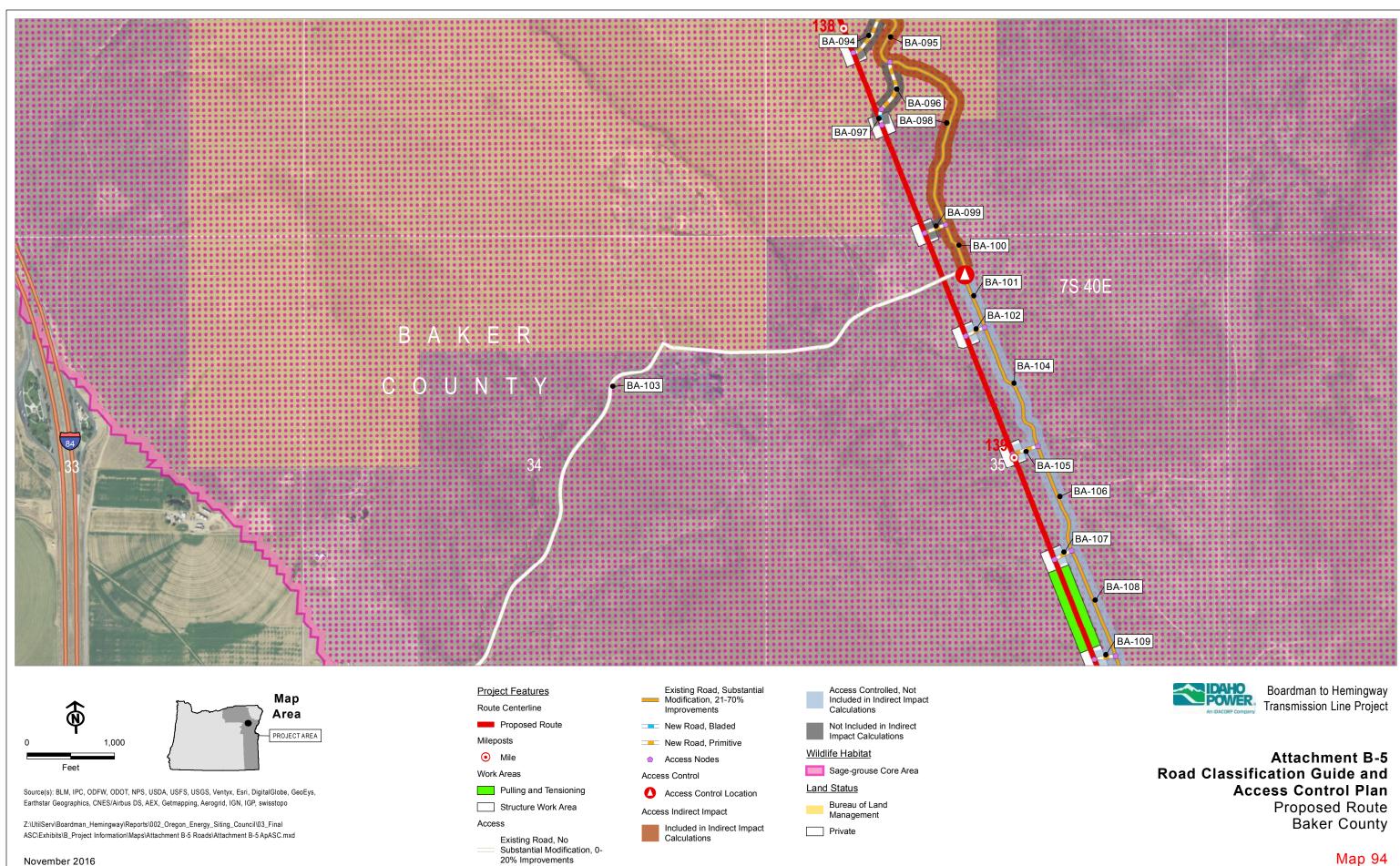
20% Improvements

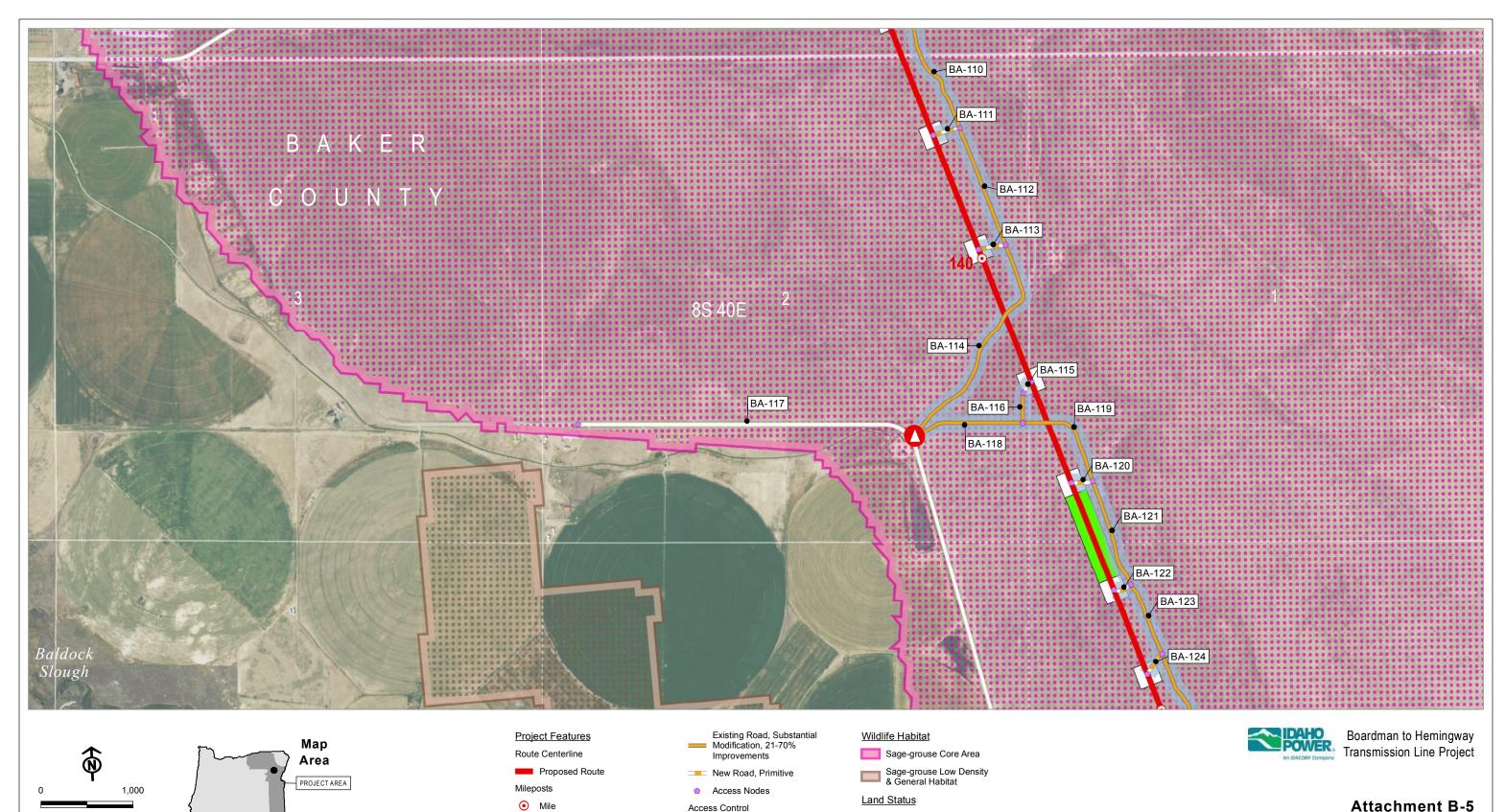
Structure Work Area Access Existing Road, No Substantial Modification, 0-

Sage-grouse Low Density & General Habitat Access Control ⚠ Access Control Location Elk Winter Range Access Indirect Impact Land Status Included in Indirect Impact Bureau of Land Calculations Management Access Controlled, Not Private Included in Indirect Impact Calculations

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route **Baker County** 







Access Control Location

Access Controlled, Not Included in Indirect Impact

Access Indirect Impact

Calculations

Work Areas

Access

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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November 2016

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Pulling and Tensioning

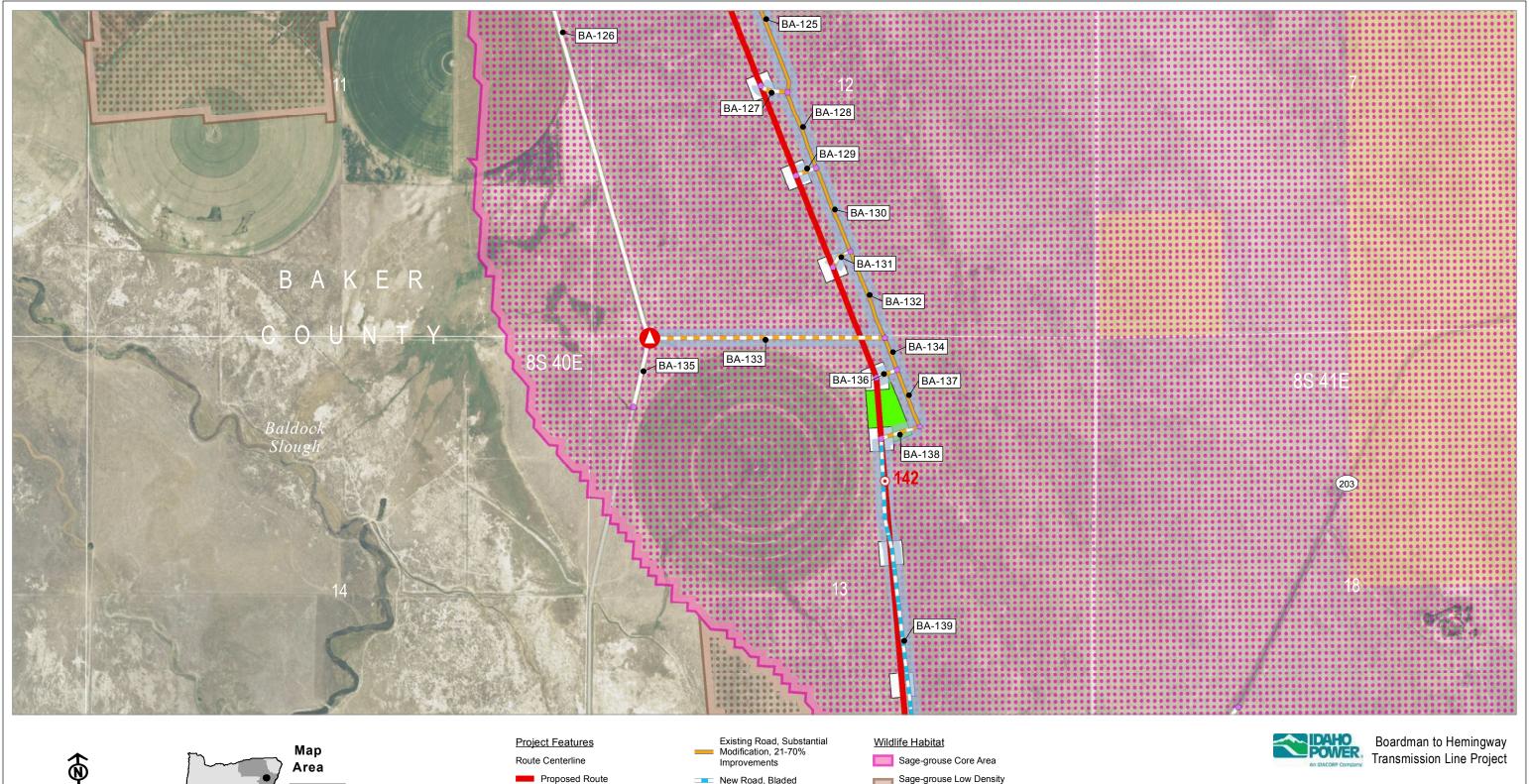
Existing Road, No Substantial Modification, 0-

20% Improvements

Structure Work Area

Private

Road Classification Guide and
Access Control Plan
Proposed Route
Baker County





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November 2016

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Access Control

Access Control Location

Access Indirect Impact

Access Controlled, Not Included in Indirect Impact Calculations

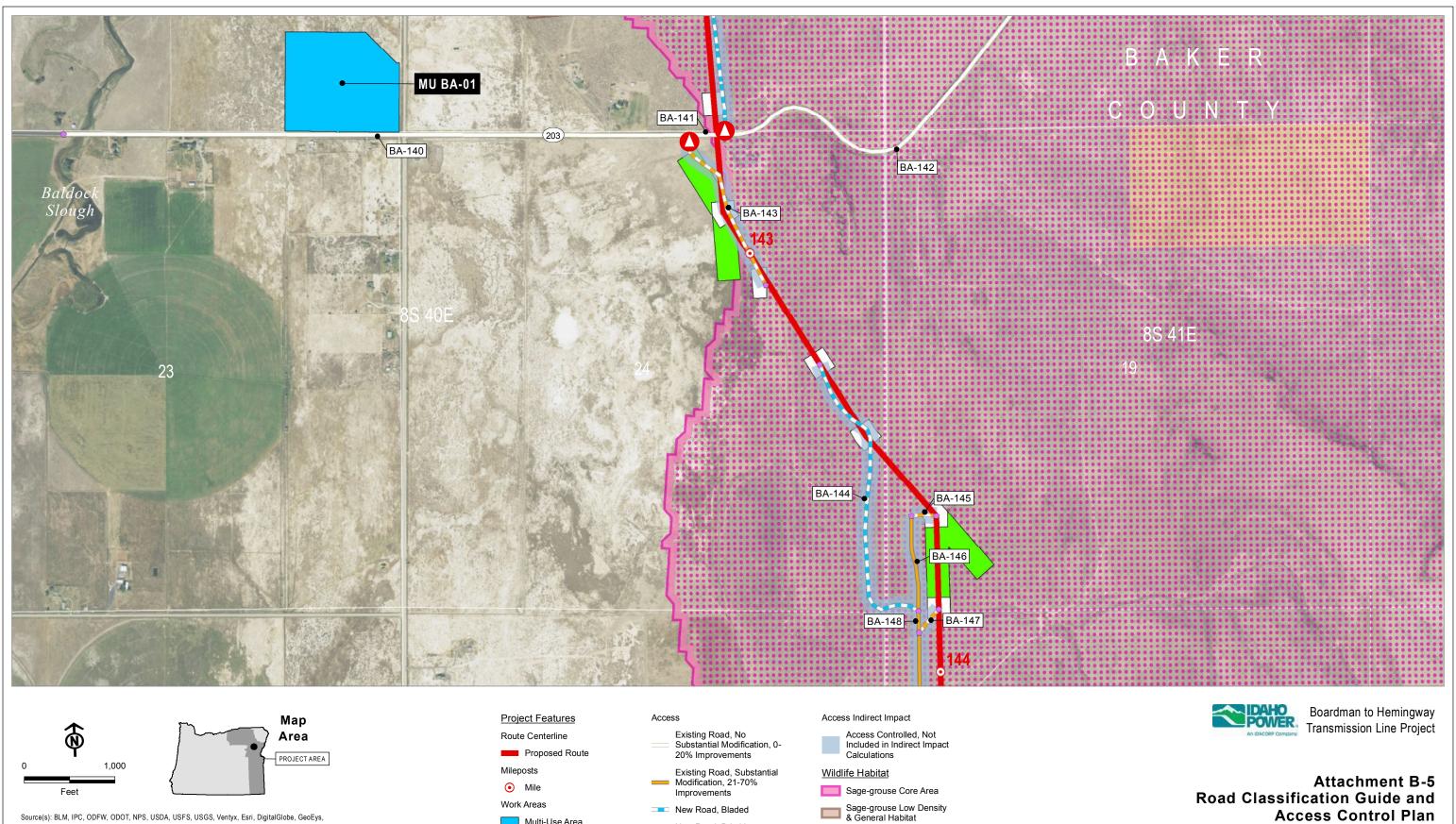
Sage-grouse Low Density & General Habitat

Land Status

Bureau of Land Management

Private

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County



New Road, Bladed

Access Nodes

Access Control

New Road, Primitive

Access Control Location

Land Status

Private

Bureau of Land

Management

Multi-Use Area

Pulling and Tensioning

Structure Work Area

November 2016

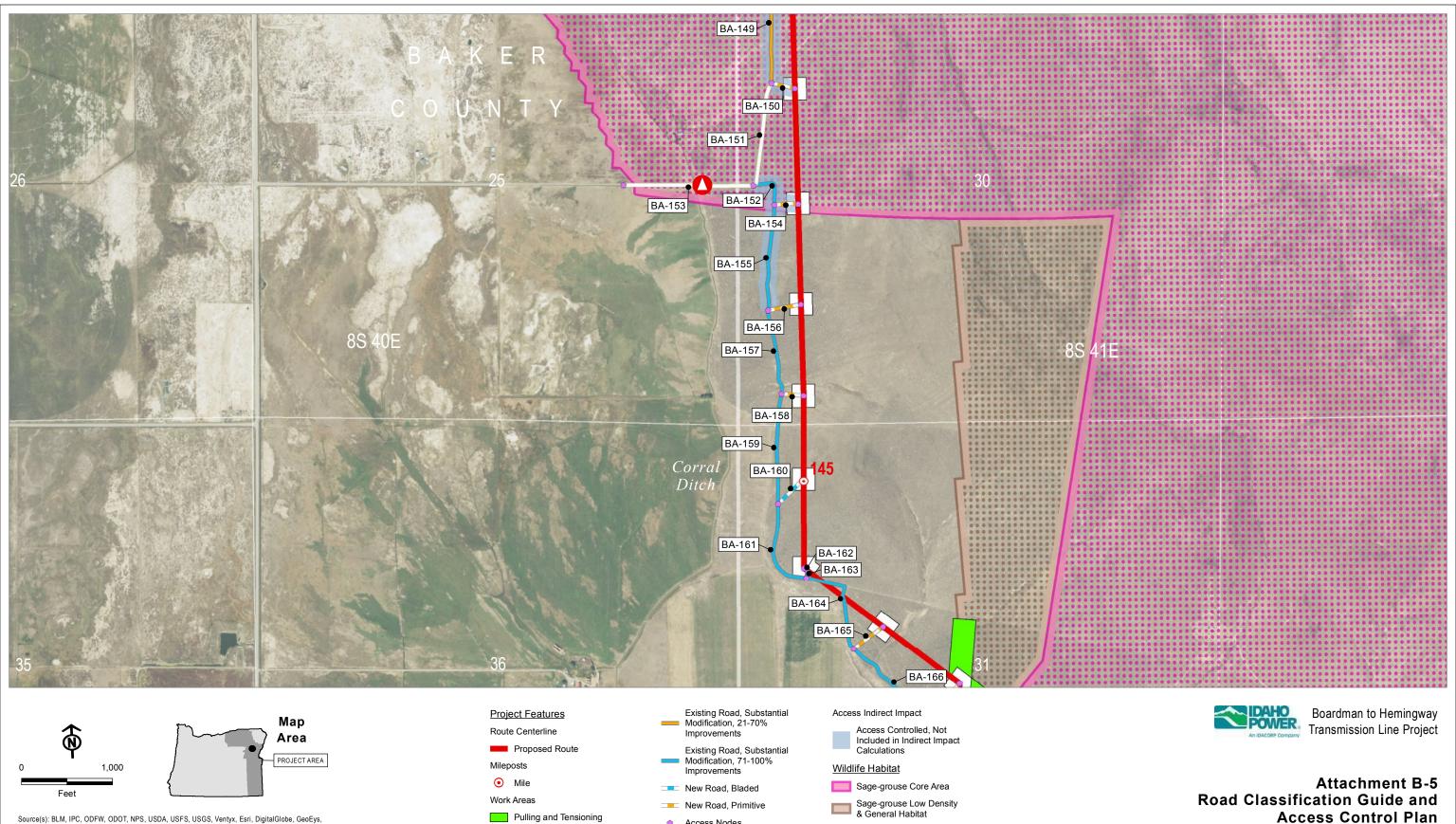
Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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**Road Classification Guide and Access Control Plan** Proposed Route Baker County



Access Nodes

Access Control Location

Access Control

Structure Work Area

Existing Road, No Substantial Modification, 0-

20% Improvements

Access

Land Status

Private

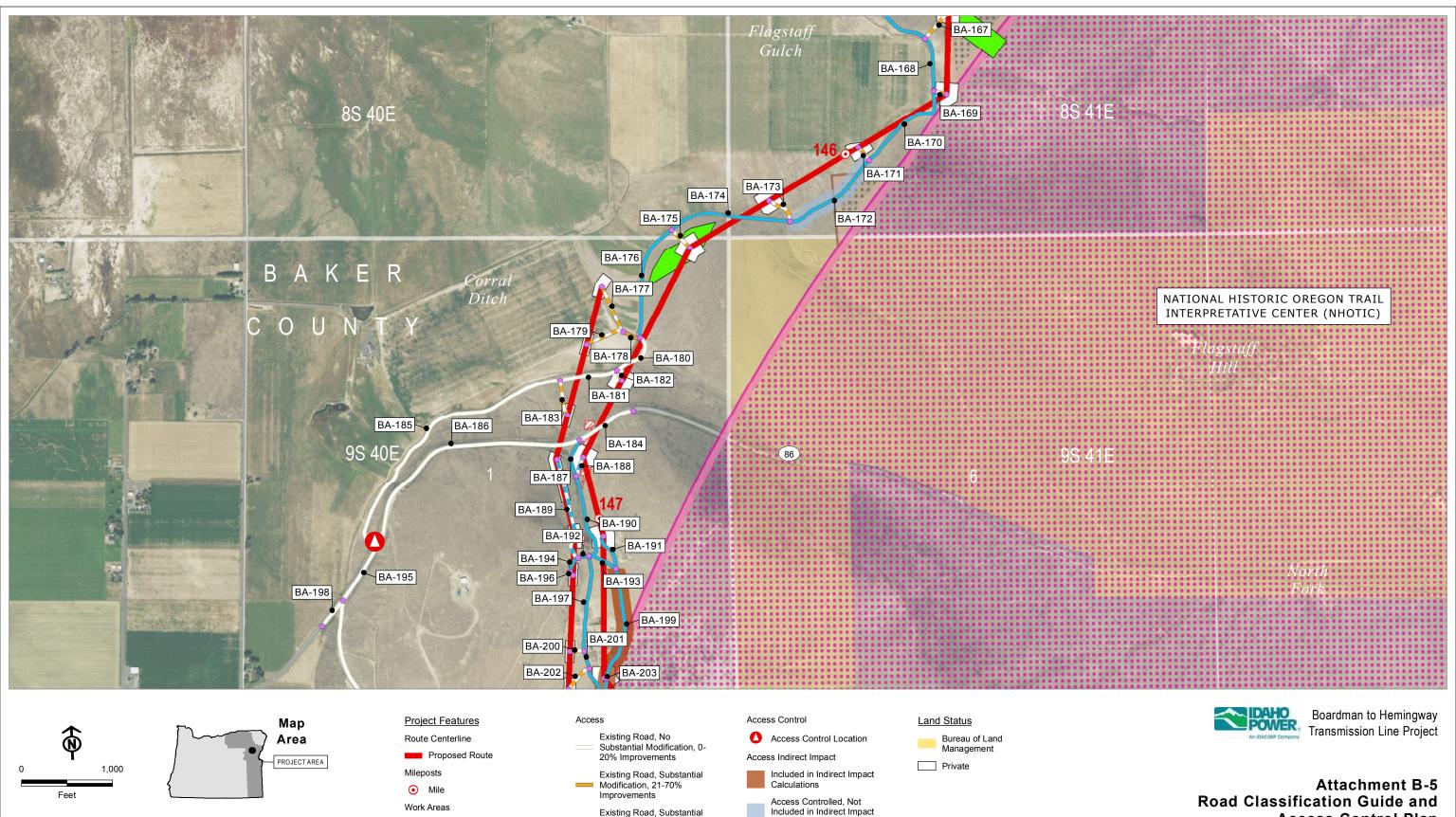
November 2016

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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**Access Control Plan** Proposed Route Baker County



Calculations

Sage-grouse Core Area

Sage-grouse Low Density & General Habitat

Wildlife Habitat

Modification, 71-100%

Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Pulling and Tensioning

Structure Work Area

Structure Work Area (Removal Only)

November 2016

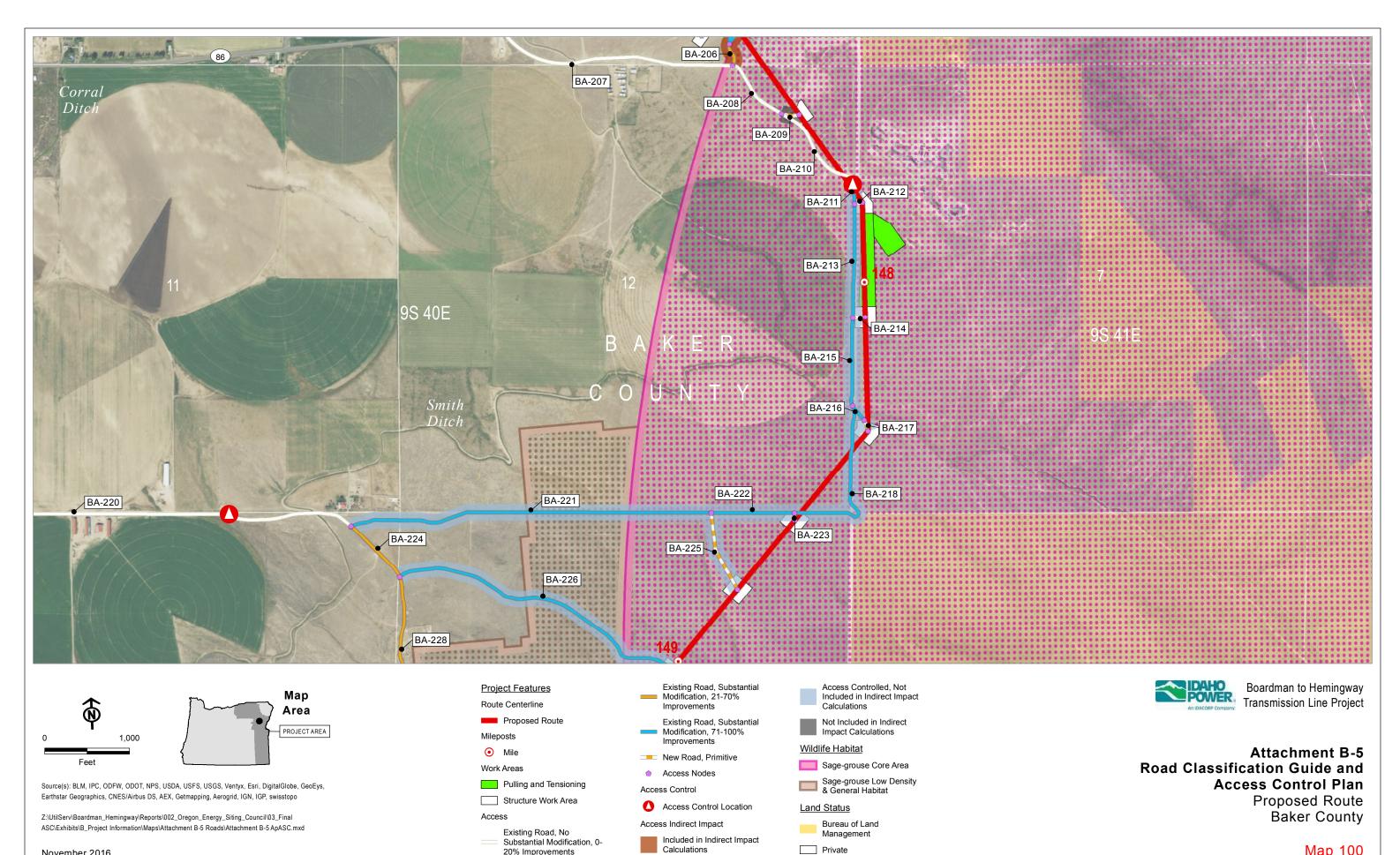
Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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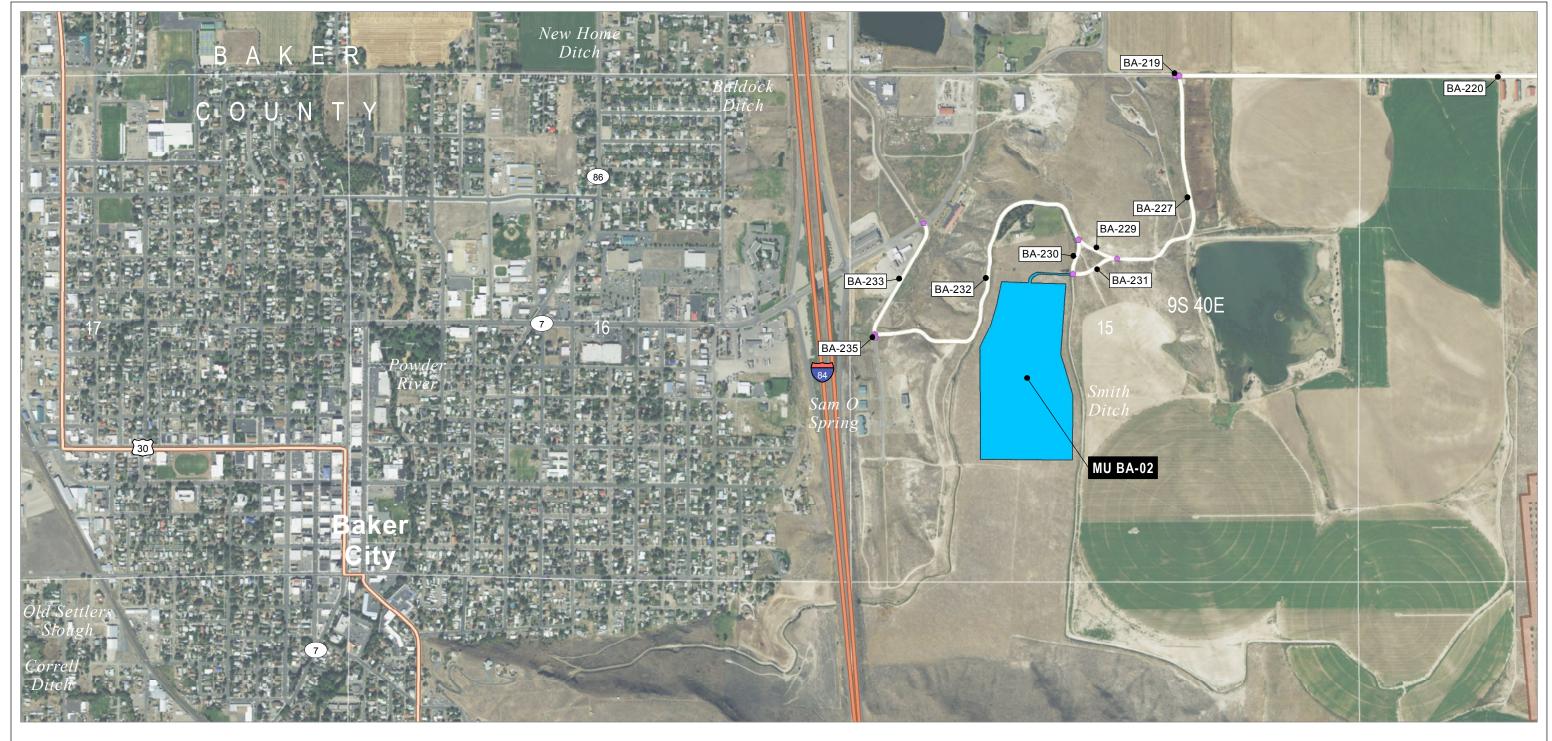
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oad Classification Guide and
Access Control Plan
Proposed Route
Baker County



20% Improvements

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Multi-Use Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

Access Nodes

Wildlife Habitat

Sage-grouse Low Density & General Habitat

Land Status

\_\_\_\_ Private



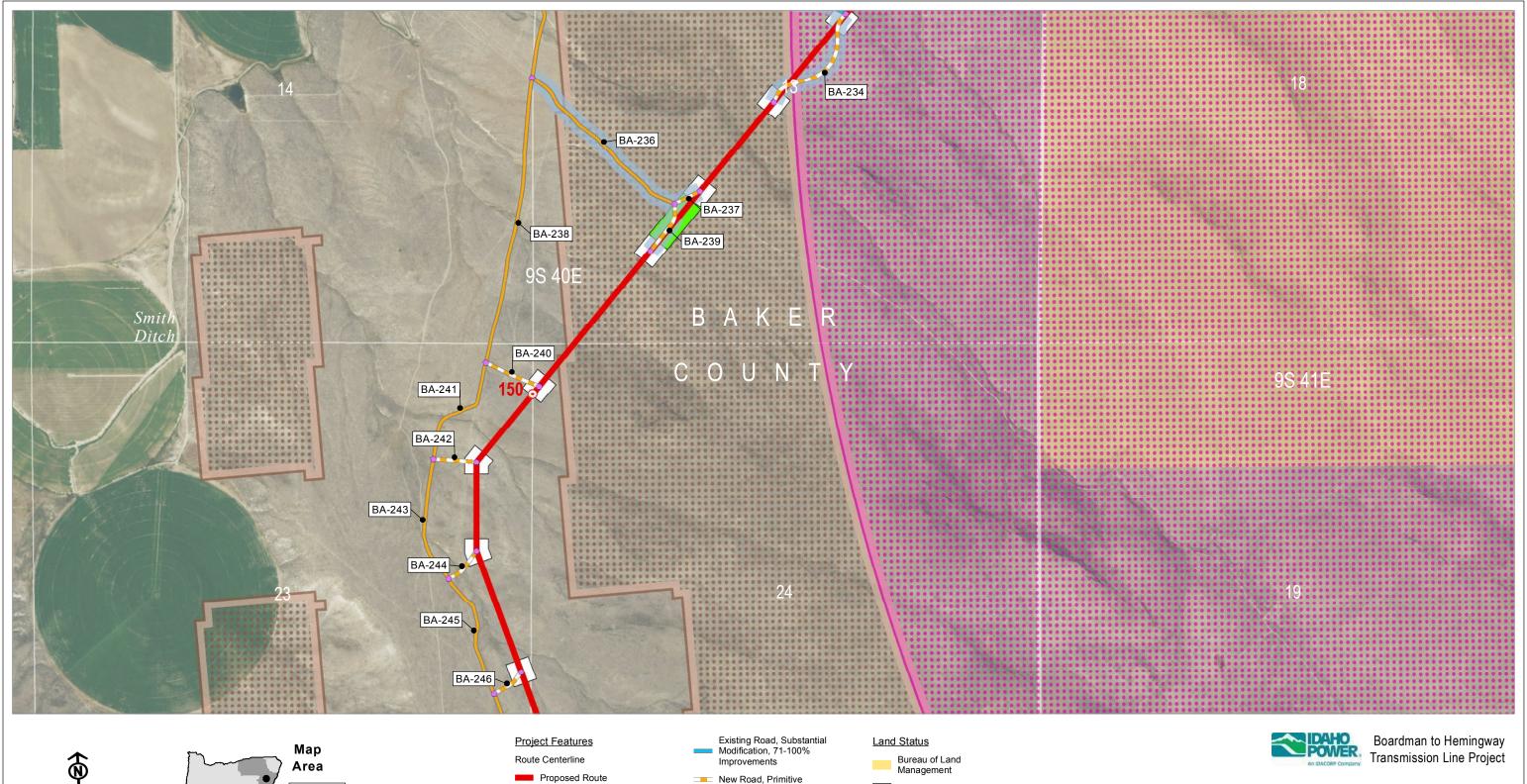
Boardman to Hemingway Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route

Baker County

Map 101

November 2016





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November 2016



Existing Road, Substantial Modification, 21-70%

Improvements

Access Nodes

Access Indirect Impact

Access Controlled, Not Included in Indirect Impact Calculations

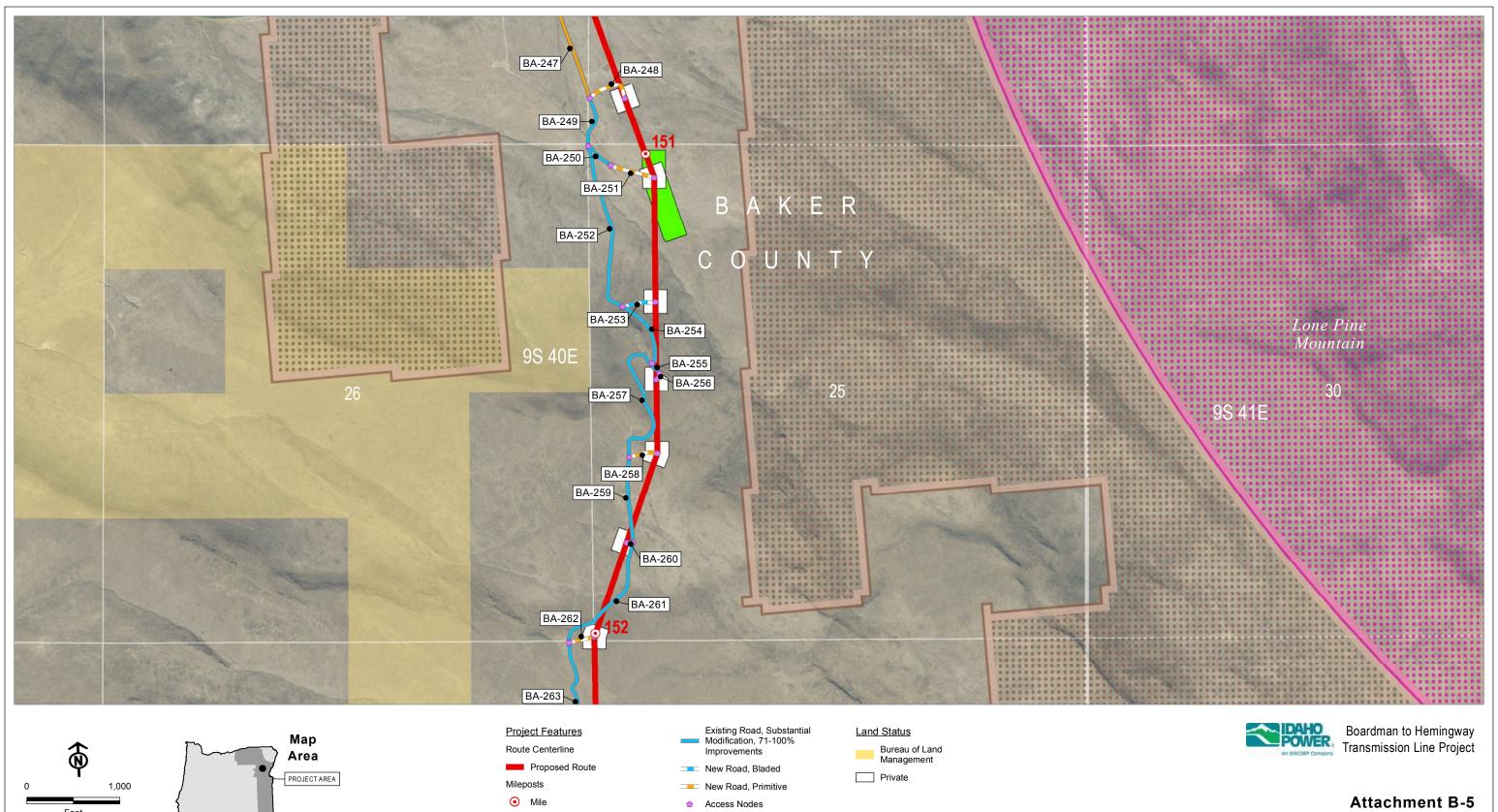
#### Wildlife Habitat

Sage-grouse Core Area

Sage-grouse Low Density & General Habitat

Private

# Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County



**Road Classification Guide and** Work Areas Wildlife Habitat **Access Control Plan** Pulling and Tensioning Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Sage-grouse Core Area Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo Structure Work Area Sage-grouse Low Density & General Habitat Access  $Z: \label{lem:lemingway} Is a large of the large of the$ 

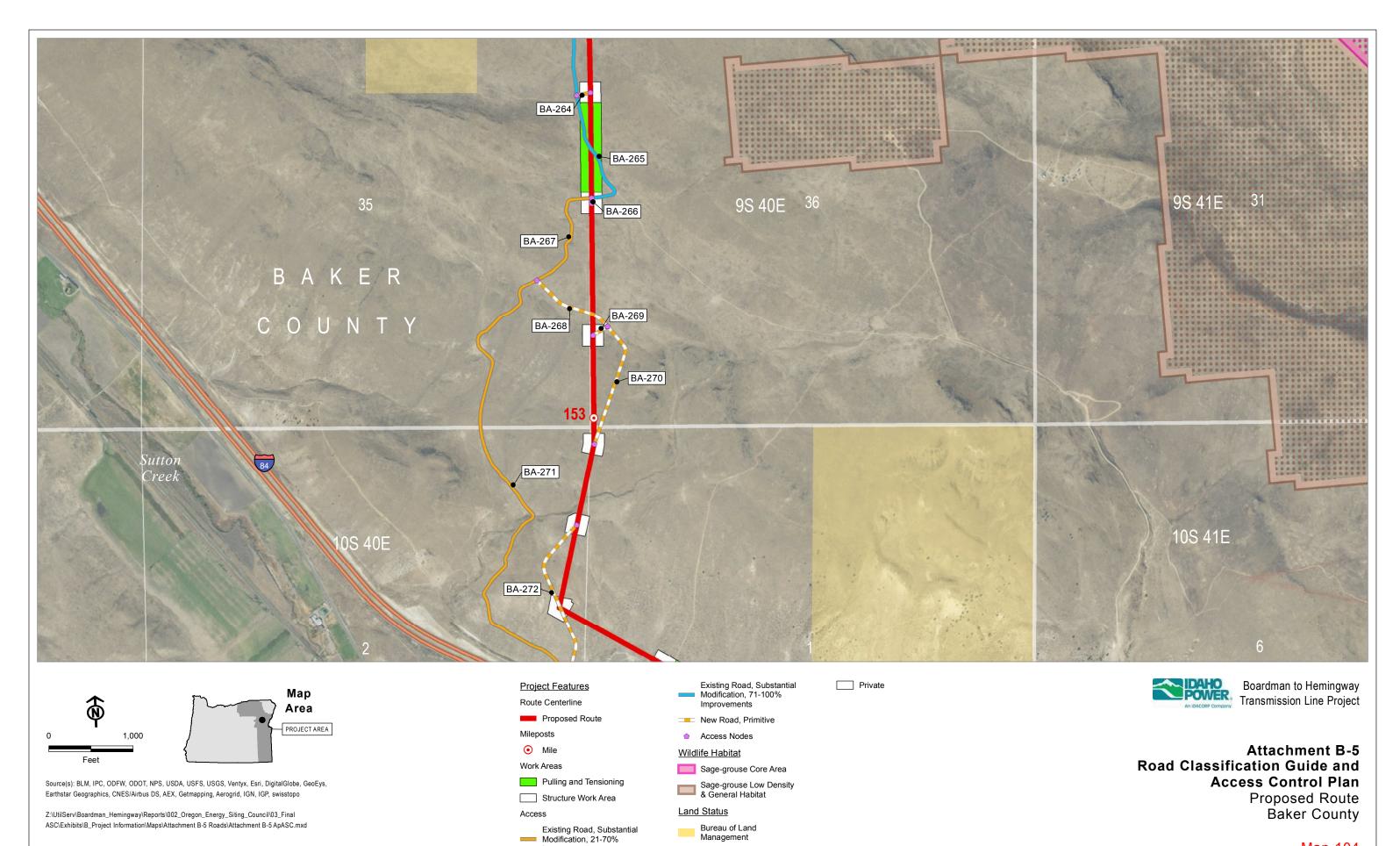
Existing Road, Substantial Modification, 21-70%

Improvements

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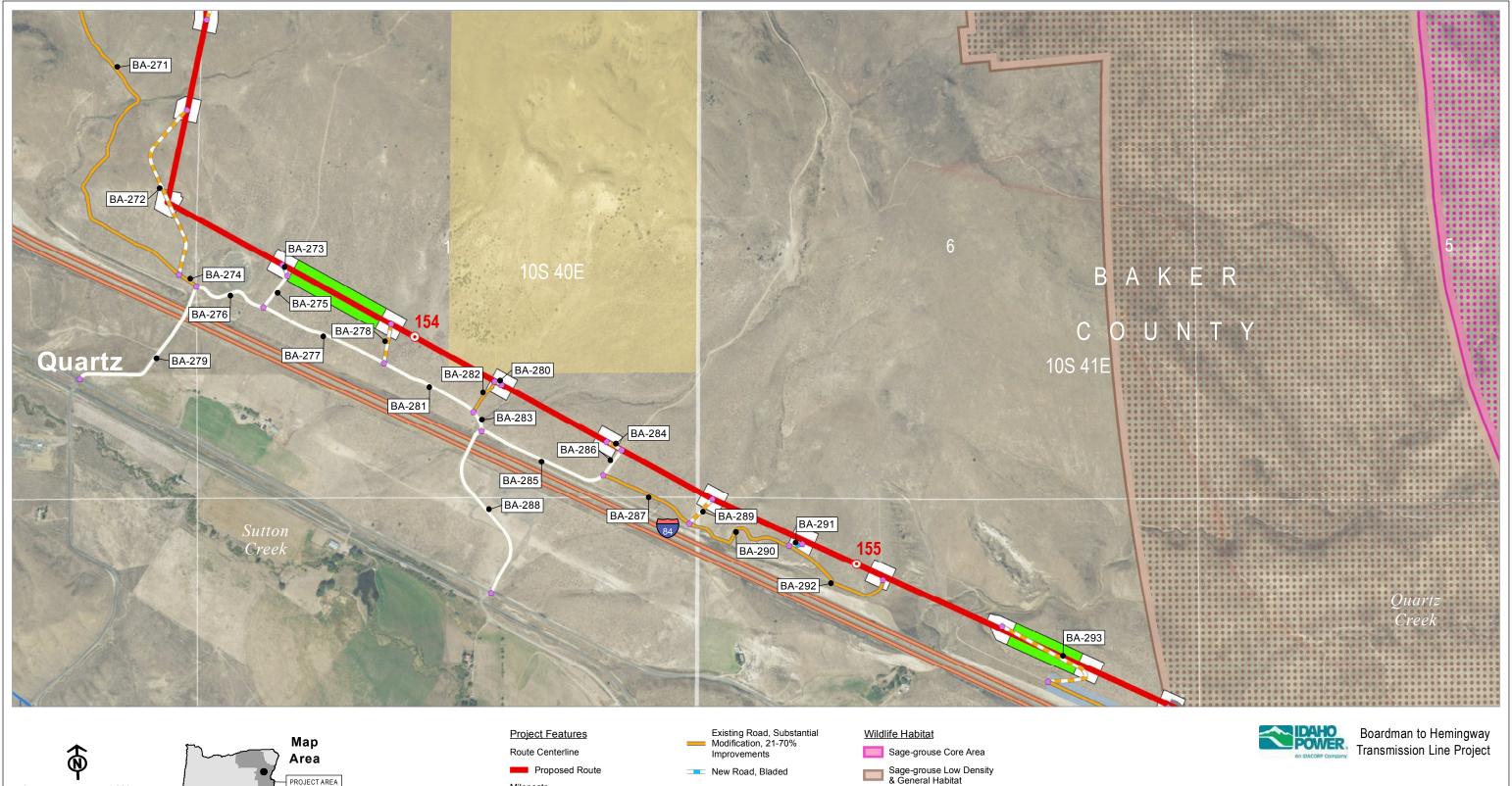
November 2016

Proposed Route Baker County



Improvements

November 2016





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November 2016

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access Existing Road, No Substantial Modification, 0-

20% Improvements

New Road, Primitive

Access Nodes Access Indirect Impact

> Access Controlled, Not Included in Indirect Impact Calculations

Not Included in Indirect Impact Calculations

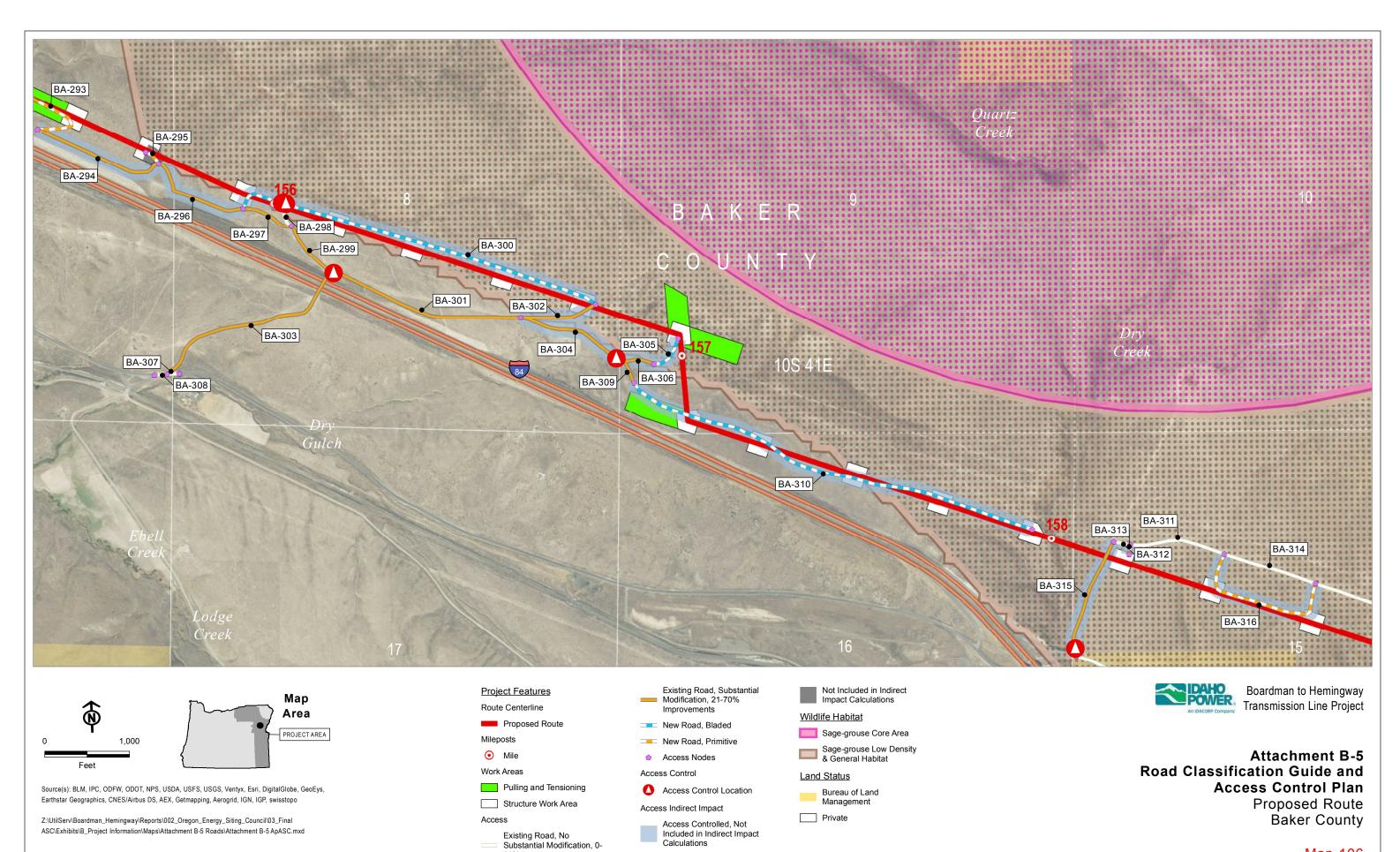
Elk Winter Range

Land Status

Bureau of Land Management

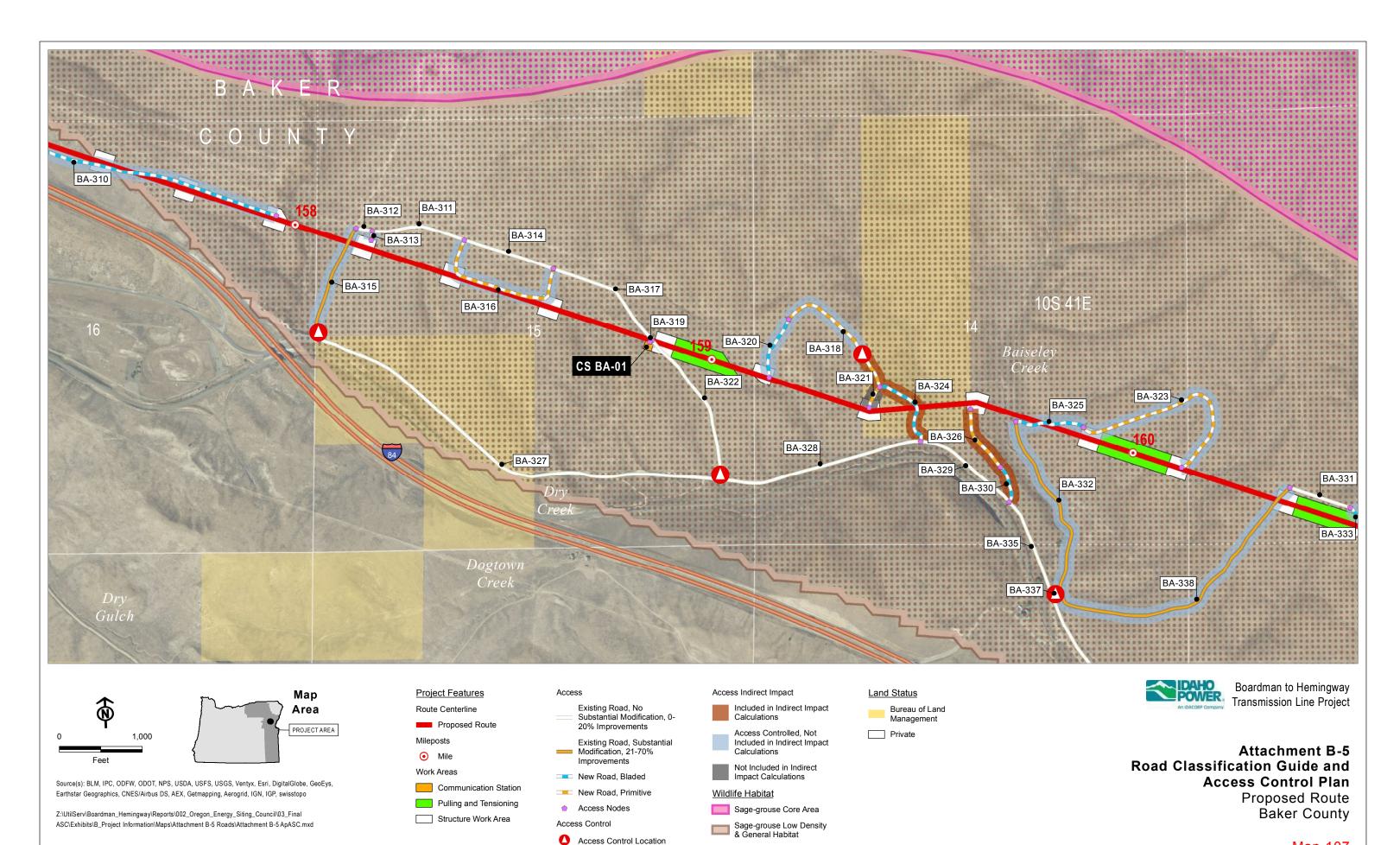
Private

**Attachment B-5 Road Classification Guide and Access Control Plan Proposed Route Baker County** 

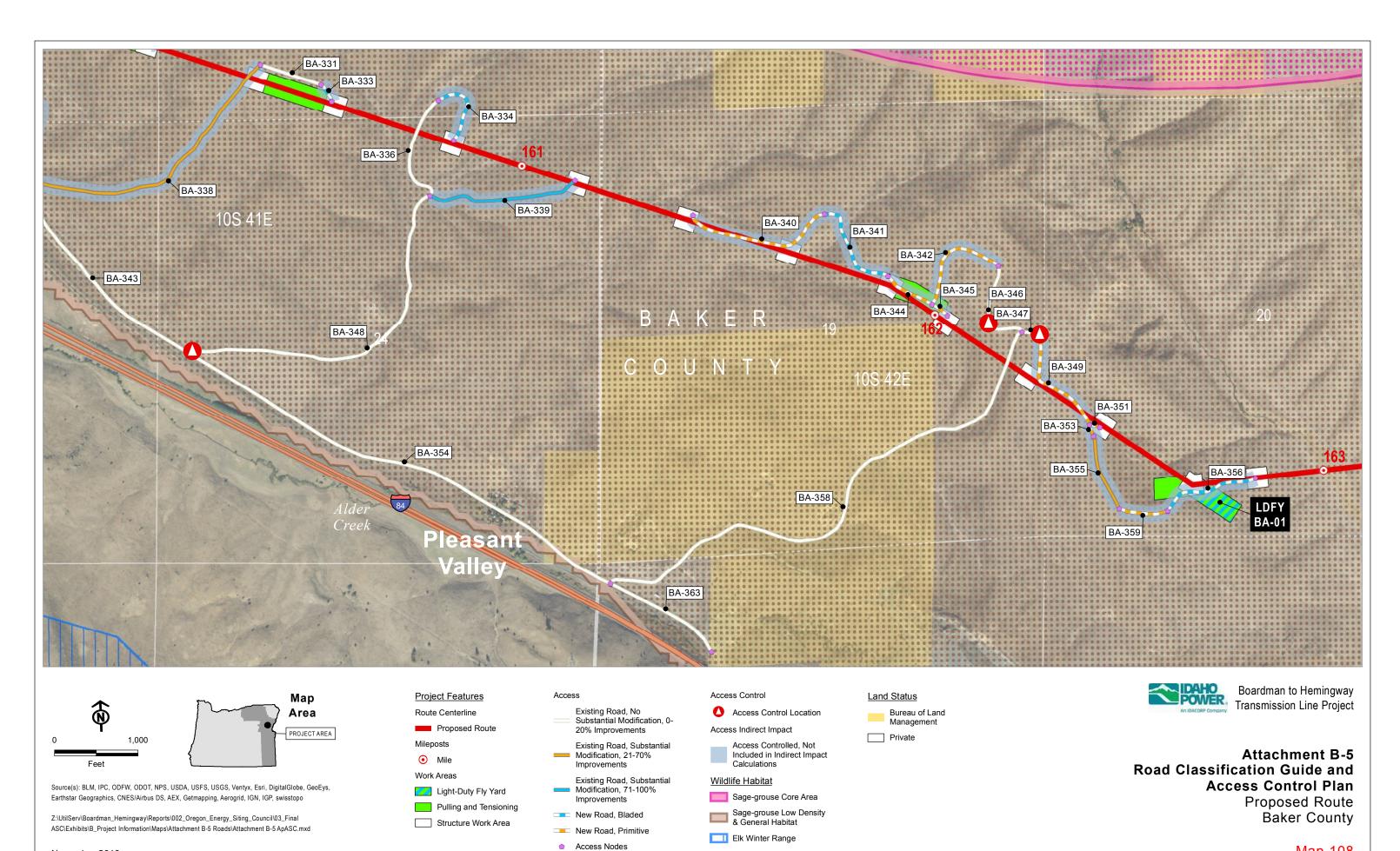


20% Improvements

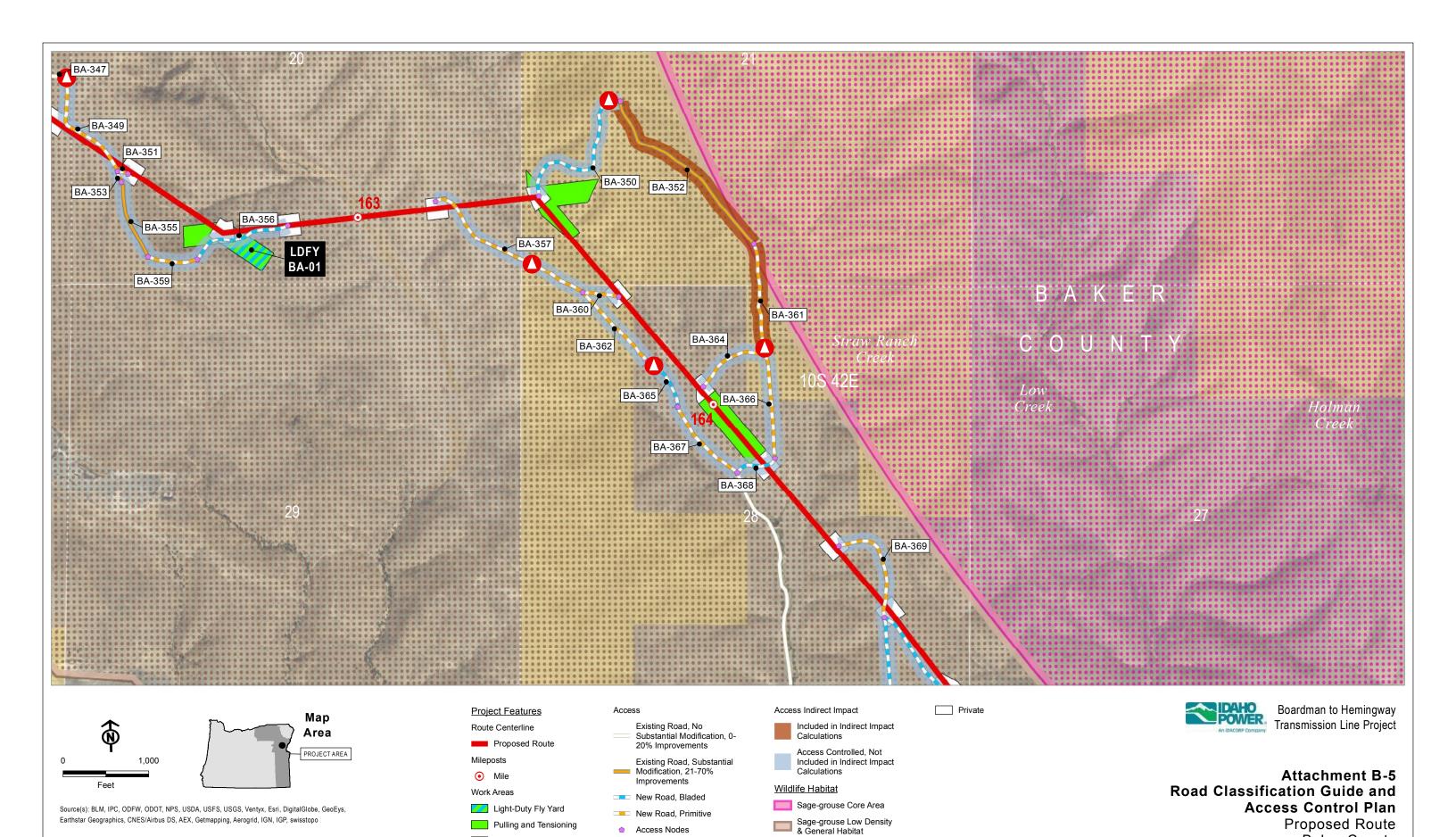
November 2016



November 2016



November 2016



Land Status

Bureau of Land Management

Structure Work Area

Access Control

△ Access Control Location

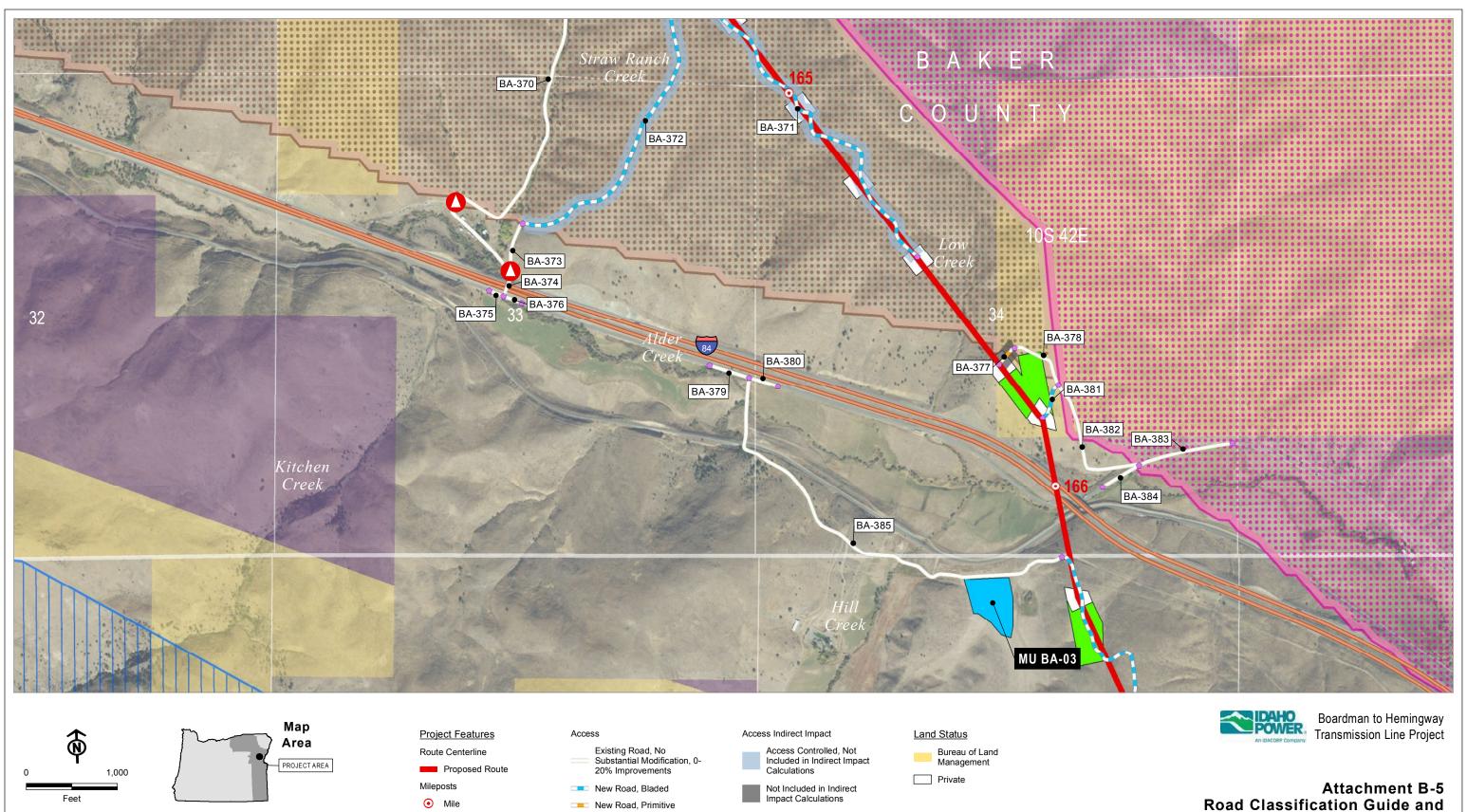
**Baker County** 

Map 109

November 2016

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Wildlife Habitat

Sage-grouse Core Area

Sage-grouse Low Density & General Habitat

II Elk Winter Range

Access Nodes

Access Control Location

Access Control

Work Areas

Multi-Use Area

Pulling and Tensioning

Structure Work Area

November 2016

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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Access Control Plan
Proposed Route
Baker County





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November 2016

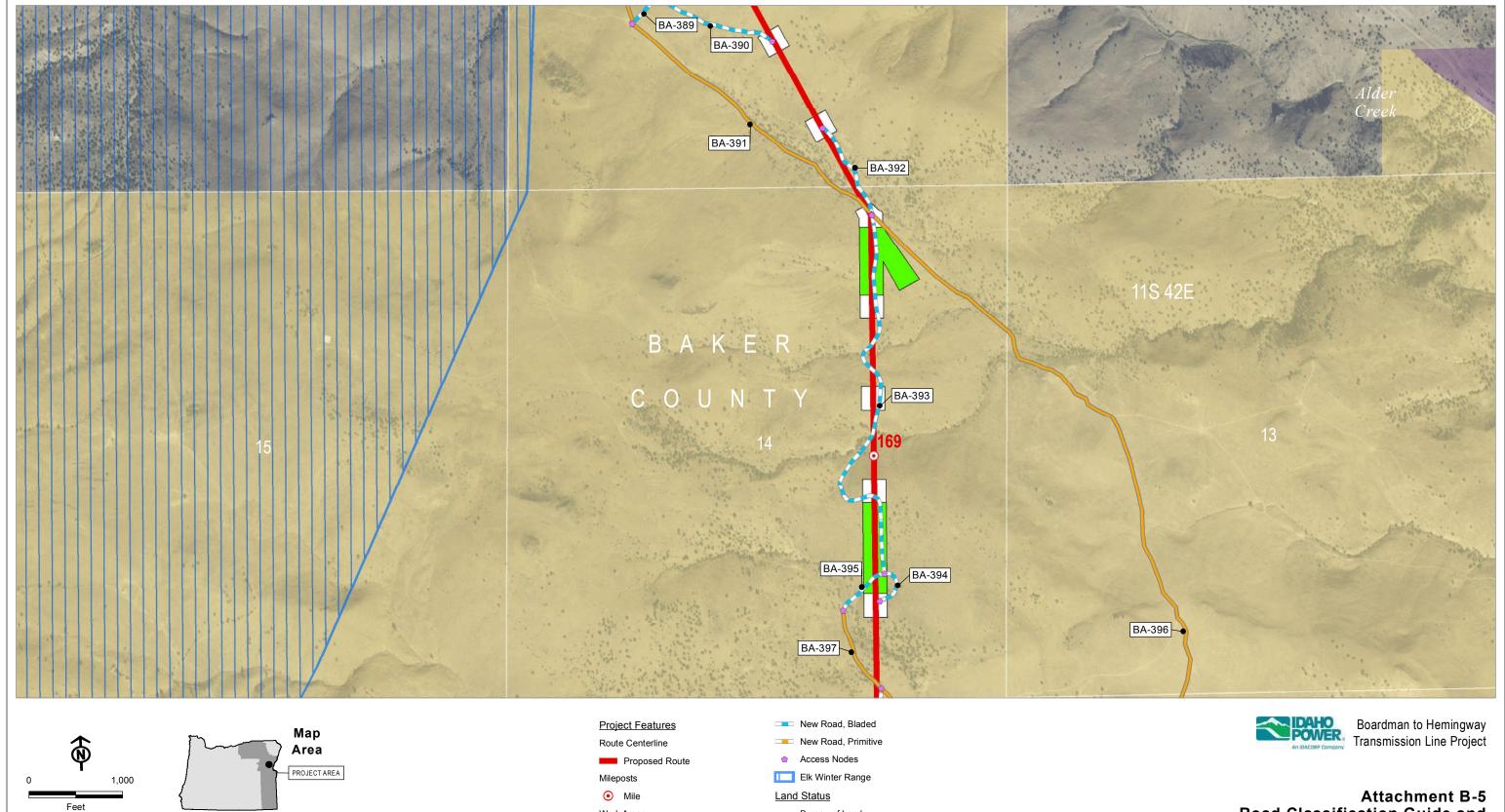


Improvements



Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County



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November 2016

Proposed Route

Access Nodes

Mileposts

Mile

Land Status

Work Areas

Pulling and Tensioning

Structure Work Area

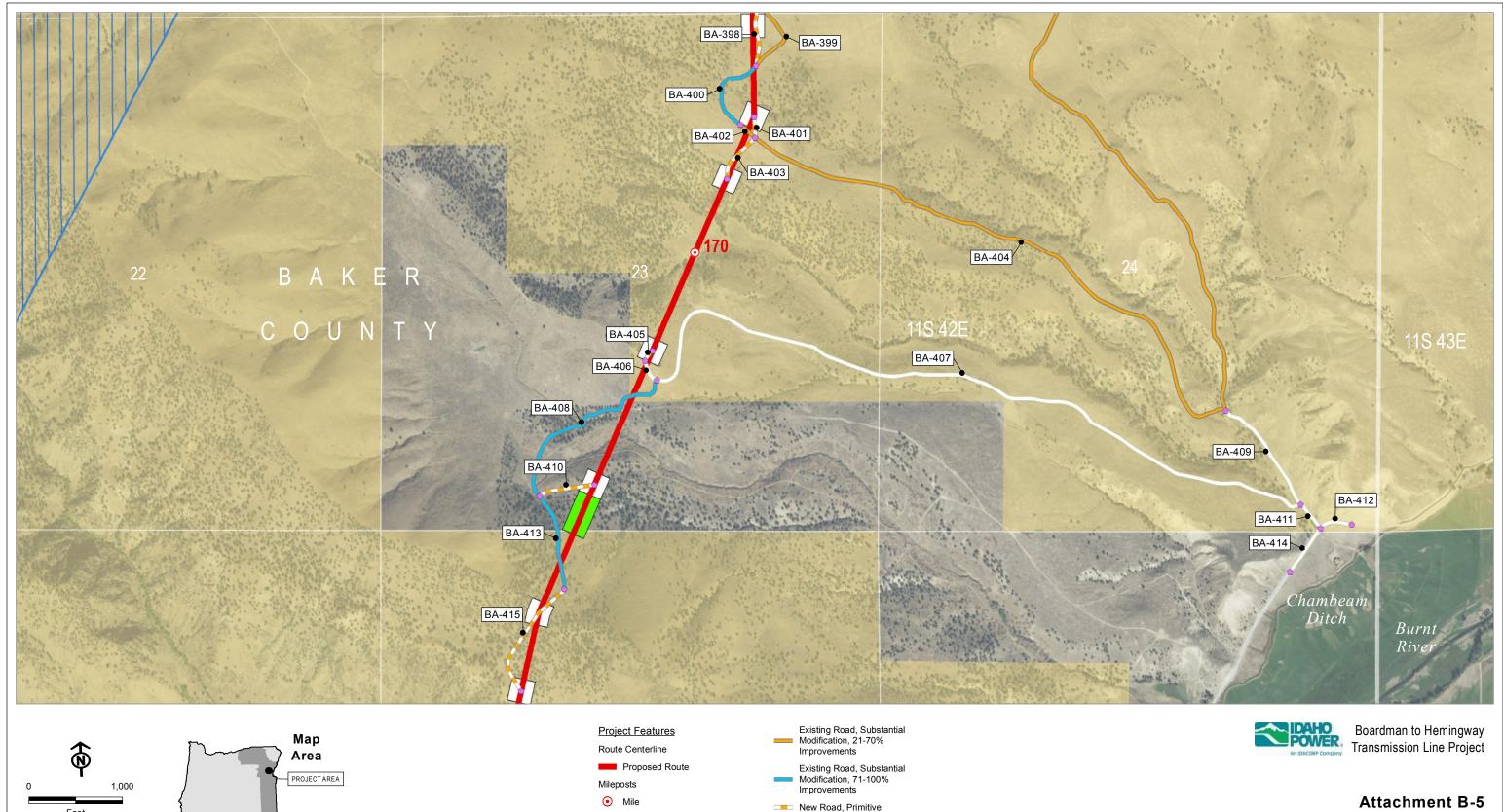
Access

Existing Road, Substantial

Modification, 21-70%

Improvements

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Baker County



Access Nodes

Land Status

Private

Elk Winter Range

Bureau of Land Management

Work Areas

Access

Pulling and Tensioning

Existing Road, No Substantial Modification, 0-

20% Improvements

Structure Work Area

Attachment B-5 **Road Classification Guide and** 

**Access Control Plan** Proposed Route Baker County

Map 113

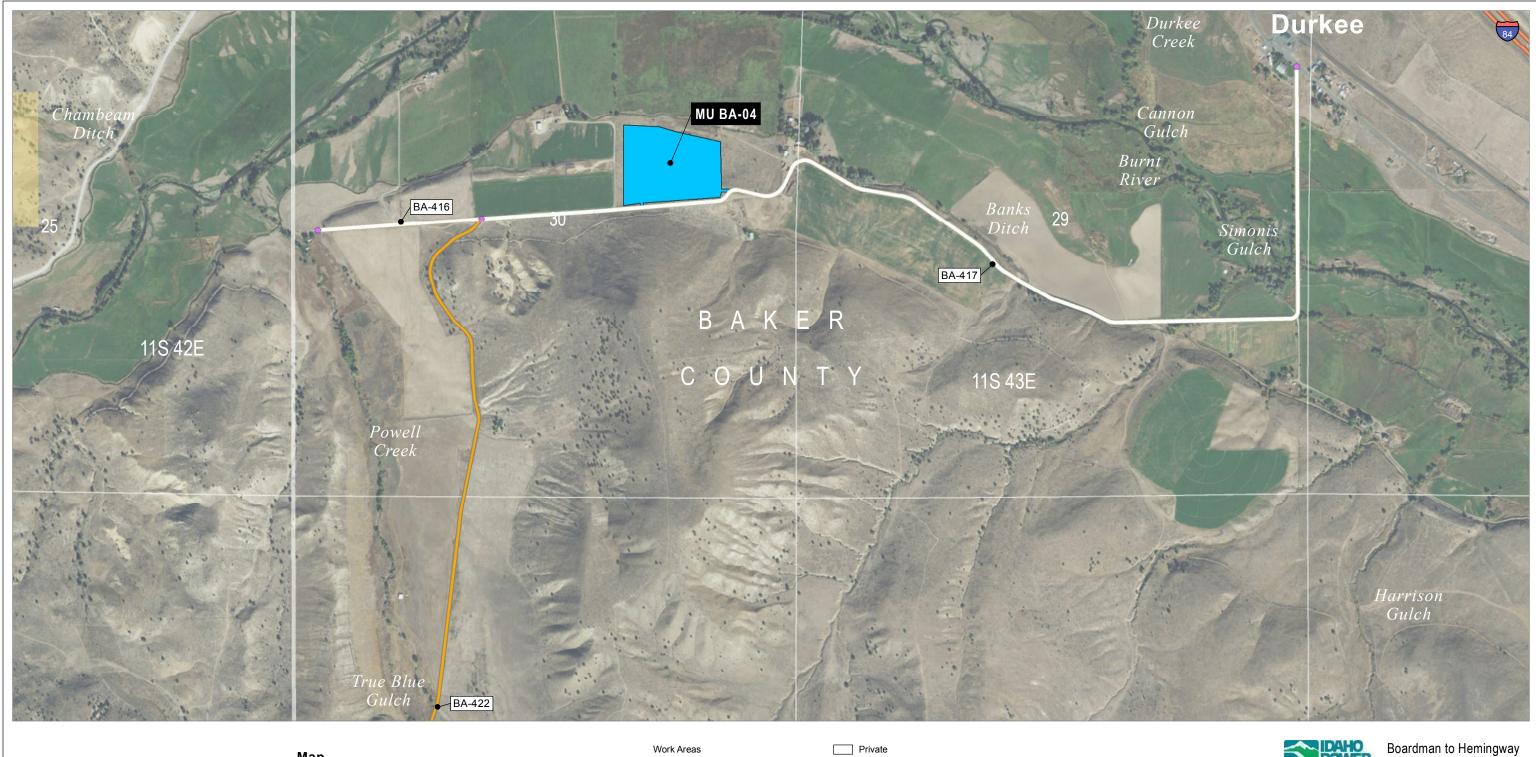
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November 2016

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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November 2016

Work Areas Private

Multi-Use Area

Access

Existing Road, No
Substantial Modification, 020% Improvements

Existing Road, Substantial
Modification, 21-70%
Improvements

Access Nodes

Land Status

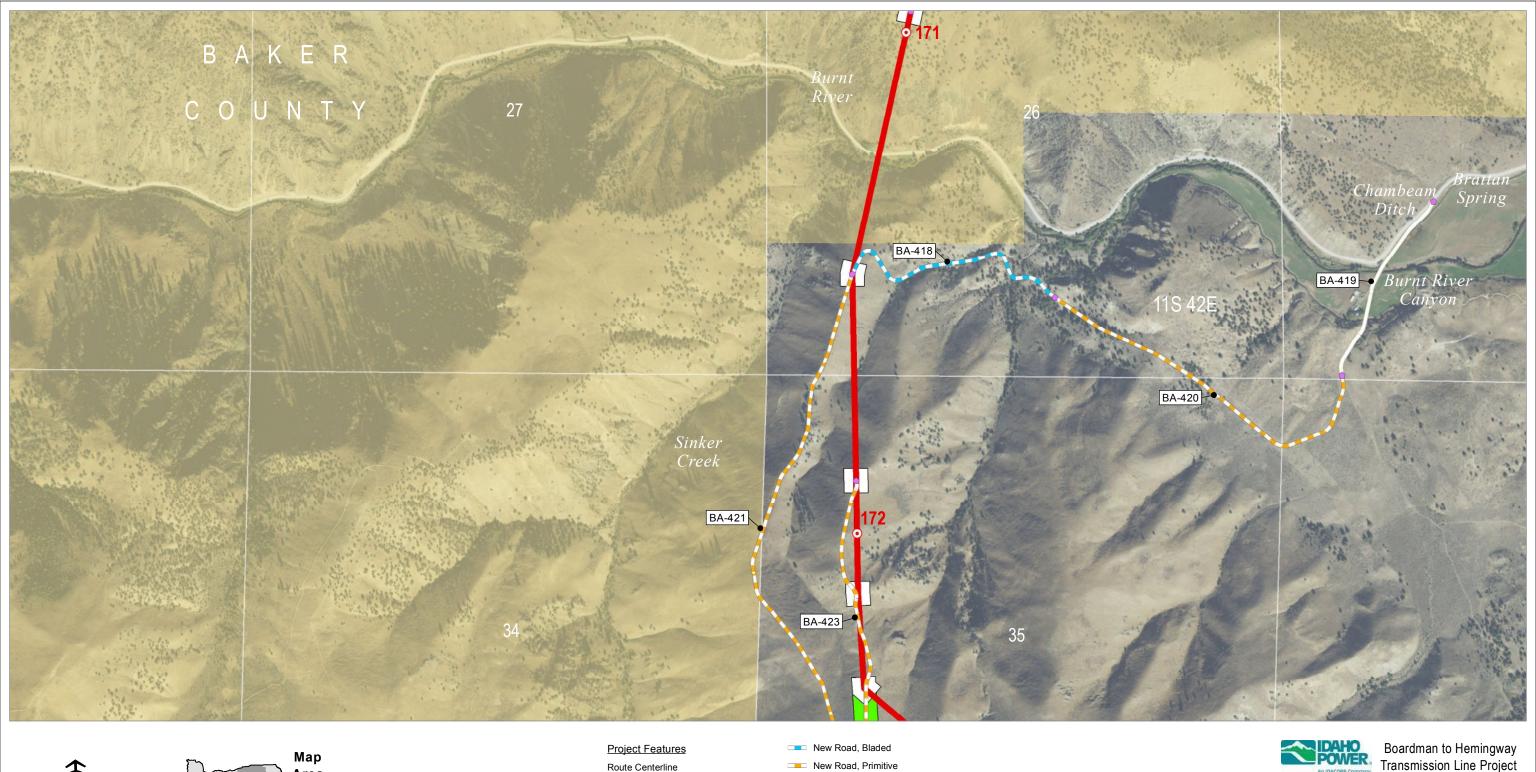
Bureau of Land

Management



Boardman to Hemingway Transmission Line Project

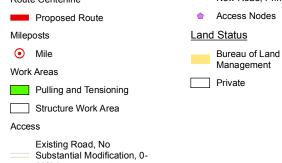
Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Baker County





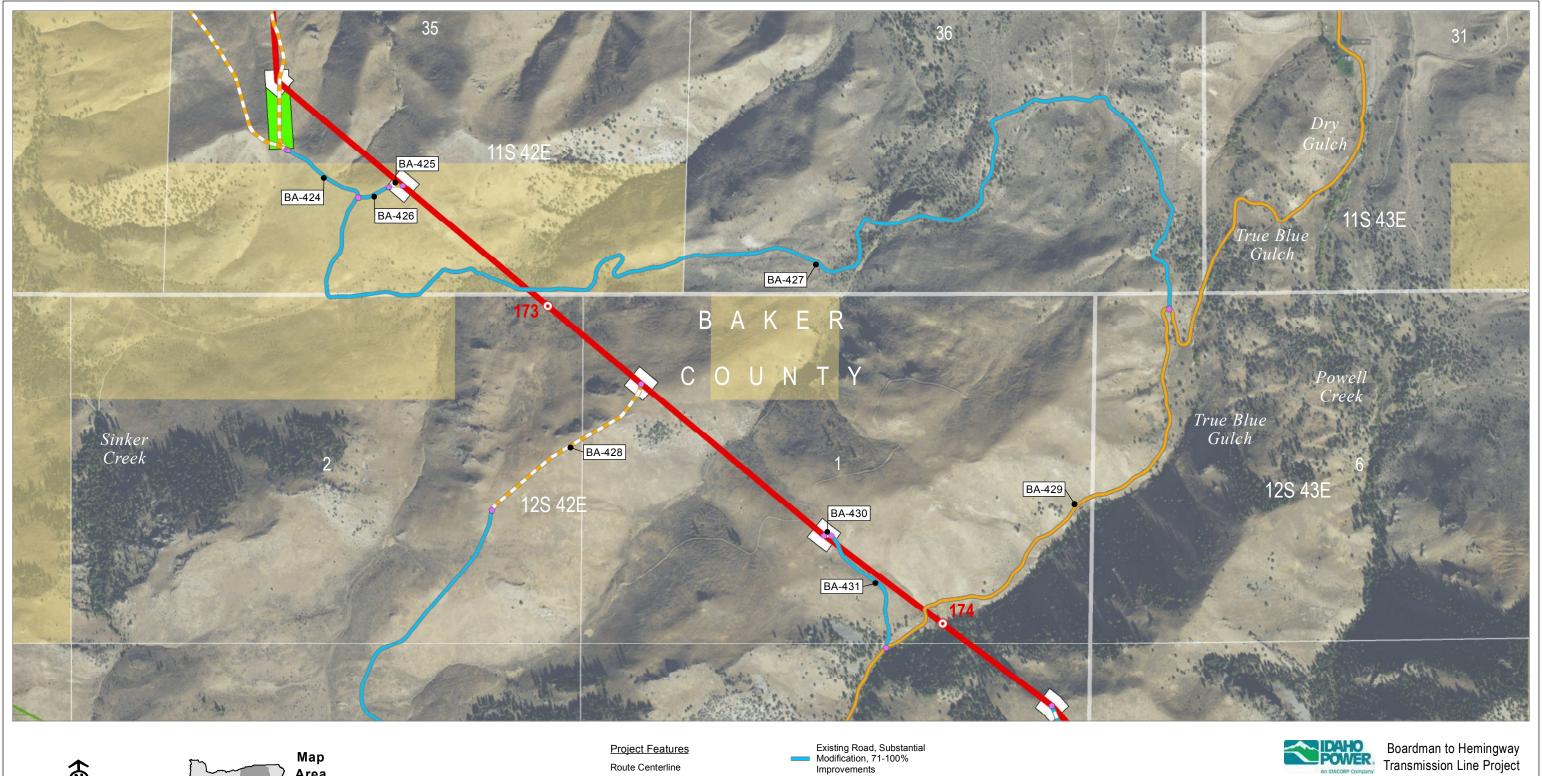
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November 2016



20% Improvements

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County





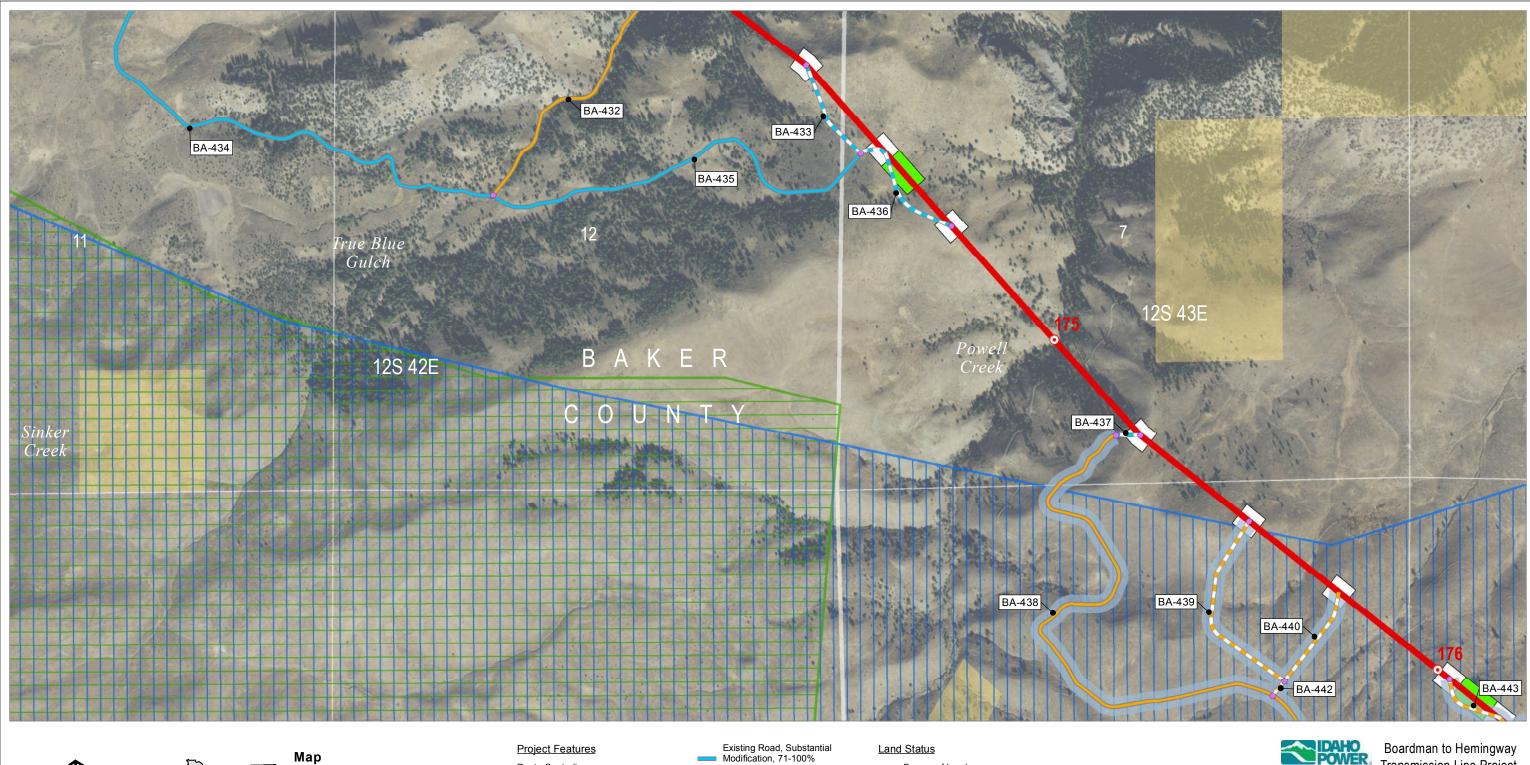
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November 2016



Improvements

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Baker County





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November 2016

Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, Substantial Modification, 21-70% Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Access Indirect Impact

Access Controlled, Not Included in Indirect Impact Calculations

Elk Winter Range

Elk Summer Range

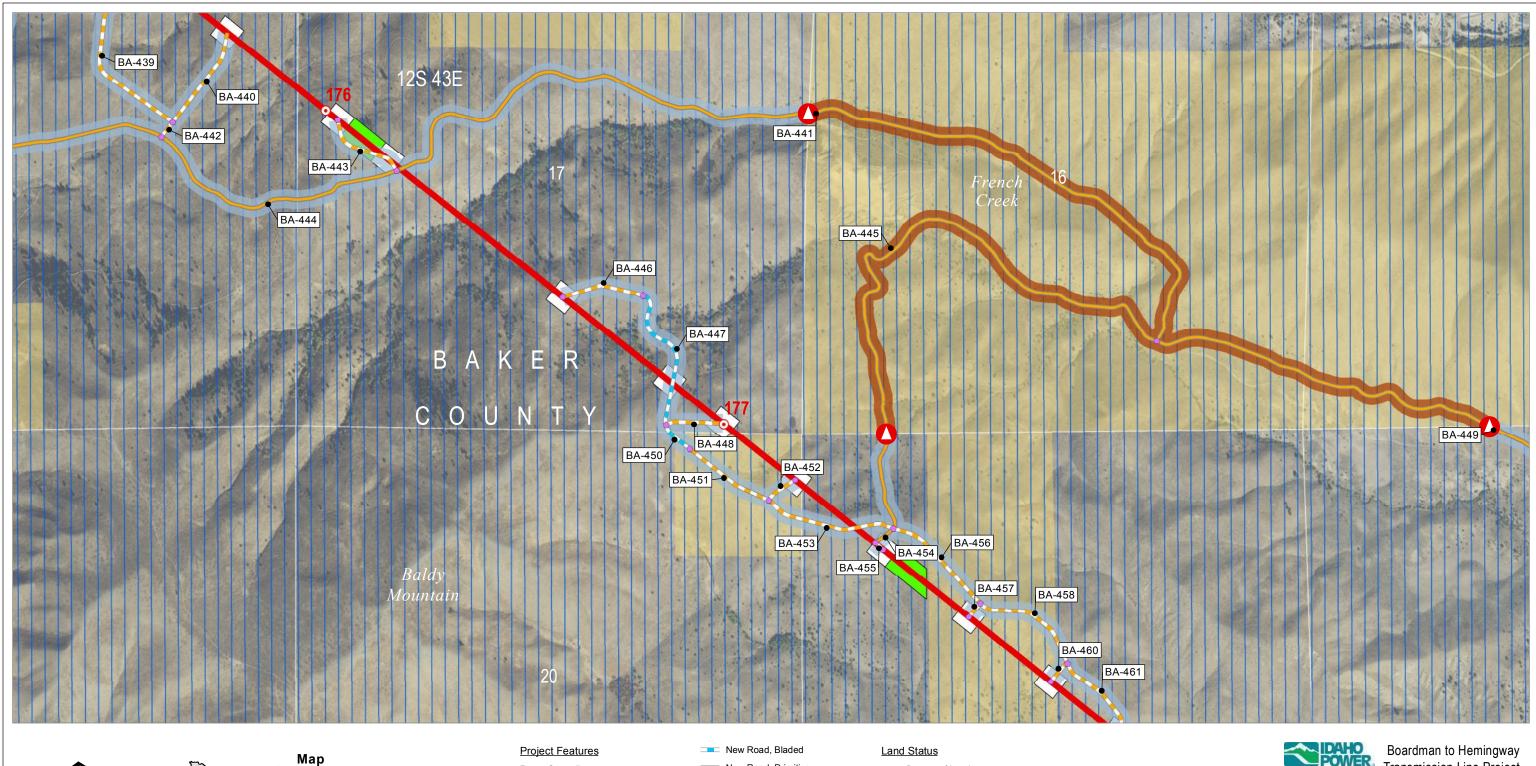


Private



Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County





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November 2016



Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, Substantial Modification, 21-70% Improvements

New Road, Primitive

Access Nodes

Access Control

⚠ Access Control Location

Access Indirect Impact

Included in Indirect Impact Calculations

Access Controlled, Not Included in Indirect Impact Calculations

Elk Winter Range

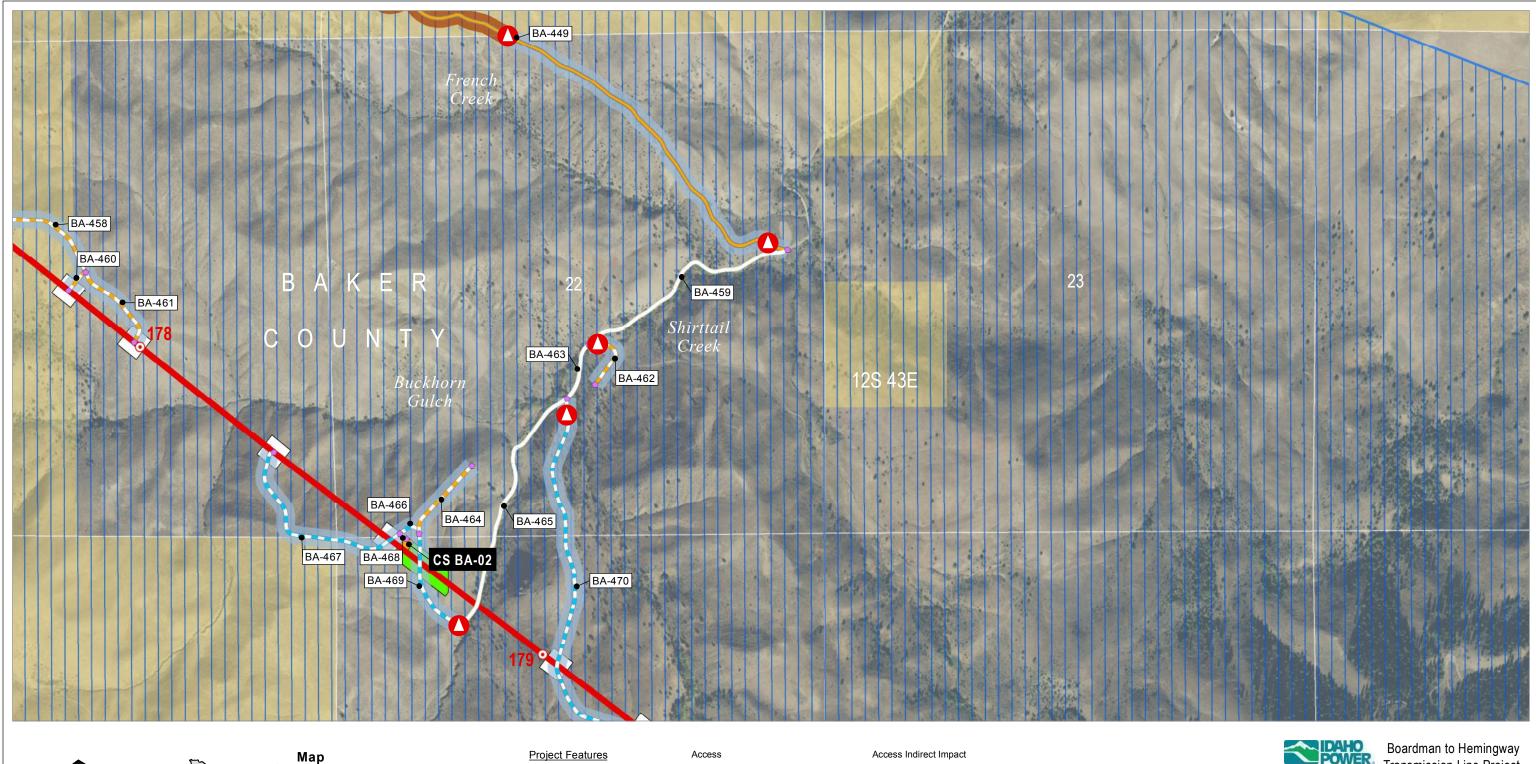
Bureau of Land Management

Private



Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County





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Route Centerline

Proposed Route

Mileposts

Mile

Work Areas Communication Station

Pulling and Tensioning

Structure Work Area

Existing Road, Substantial Modification, 21-70% Improvements New Road, Bladed

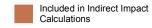
New Road, Primitive

Existing Road, No Substantial Modification, 0-

20% Improvements

Access Nodes

Access Control △ Access Control Location



Access Controlled, Not Included in Indirect Impact Calculations

Elk Winter Range

Land Status

Bureau of Land Management

Private

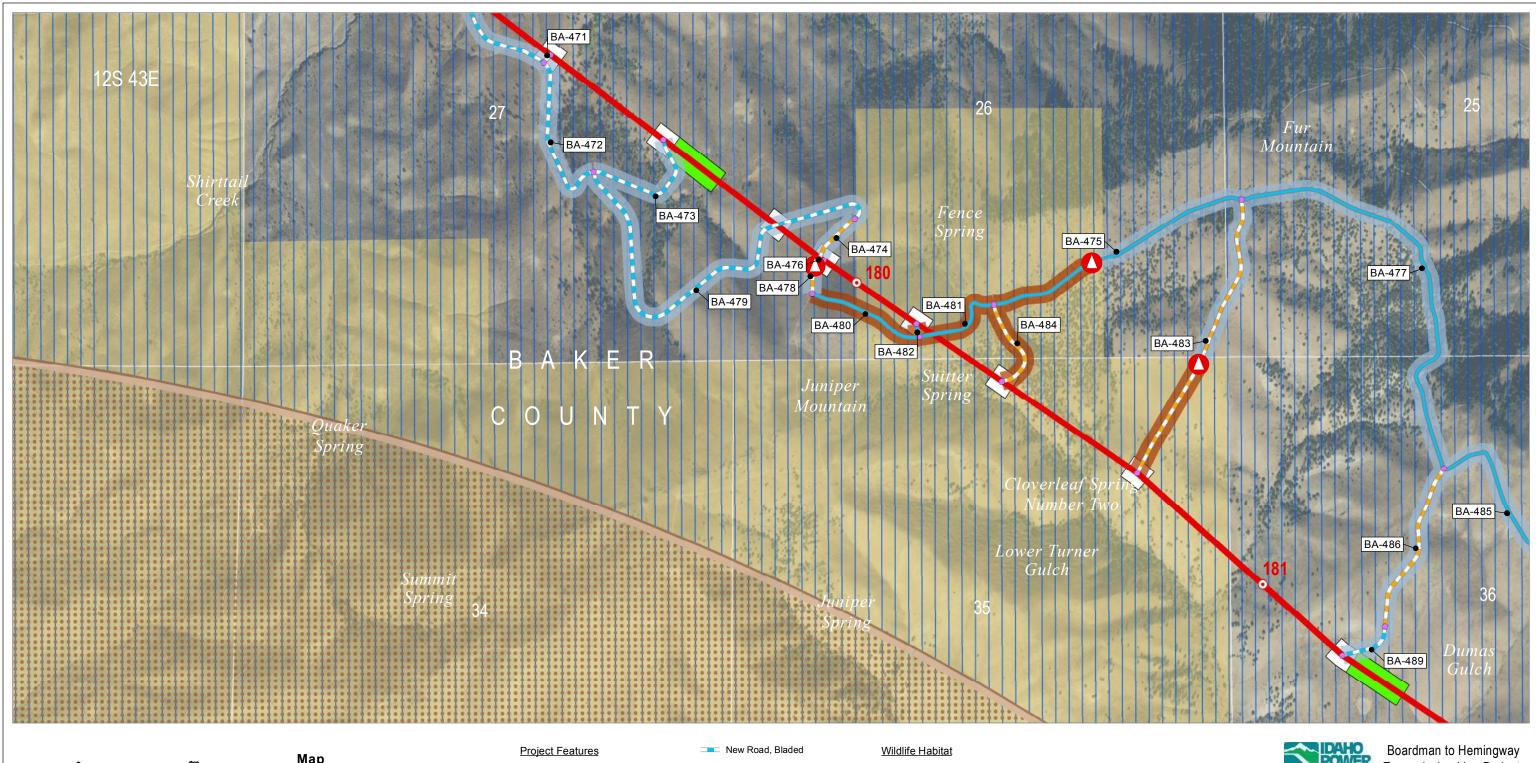


Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County

Map 119

November 2016





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November 2016

Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, Substantial Modification, 71-100% Improvements

New Road, Primitive

Access Nodes

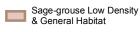
Access Control

Access Control Location

Access Indirect Impact

Included in Indirect Impact Calculations

Access Controlled, Not Included in Indirect Impact Calculations



Elk Winter Range

#### Land Status

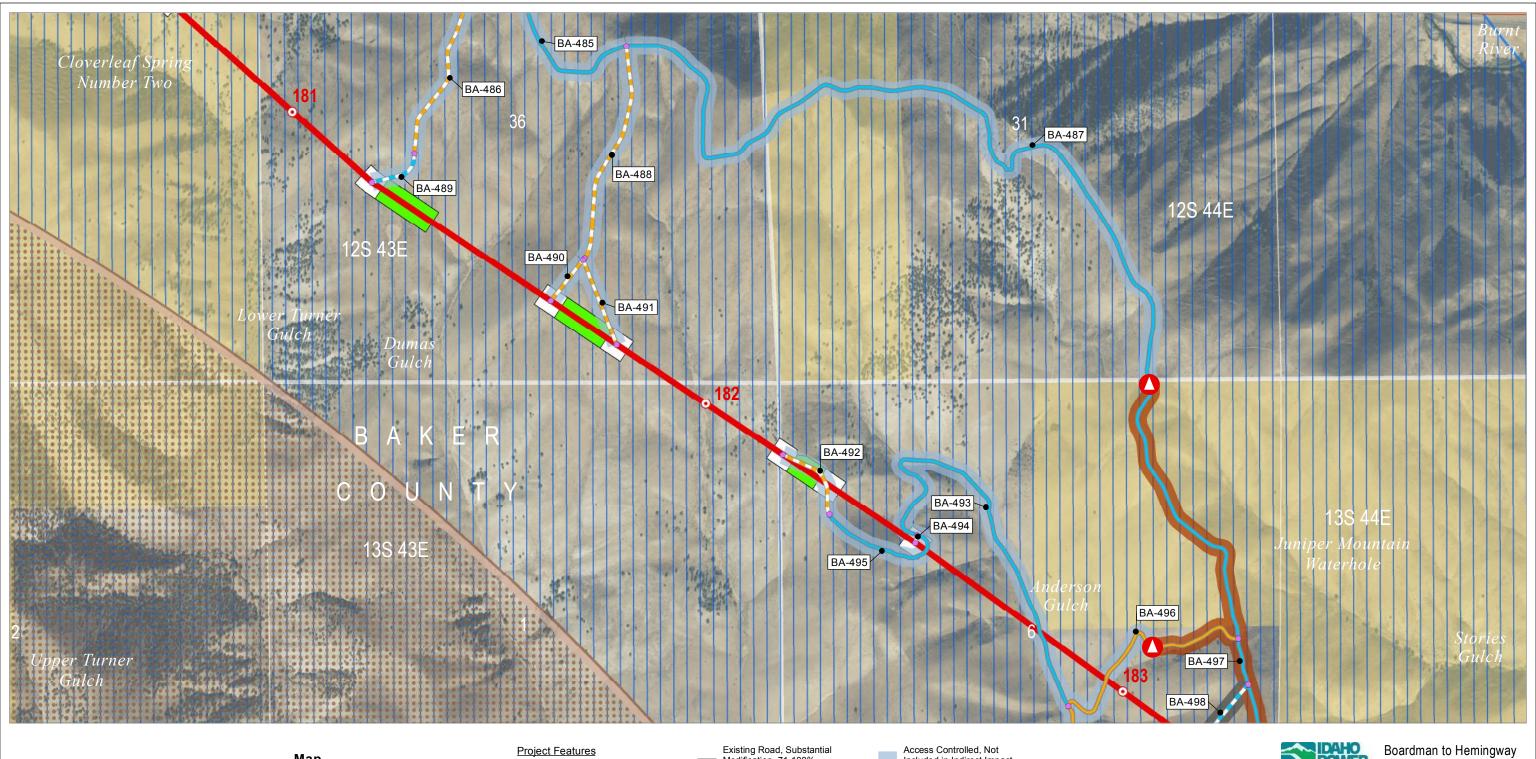
Bureau of Land Management

Private



Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County





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November 2016

Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, Substantial Modification, 21-70% Improvements

- Modification, 71-100%
- New Road, Bladed
- New Road, Primitive
- Access Nodes

Access Control

Access Control Location

Access Indirect Impact

Included in Indirect Impact Calculations

- Access Controlled, Not Included in Indirect Impact Calculations
- Not Included in Indirect Impact Calculations

### Wildlife Habitat

Sage-grouse Low Density & General Habitat

Elk Winter Range

## Land Status

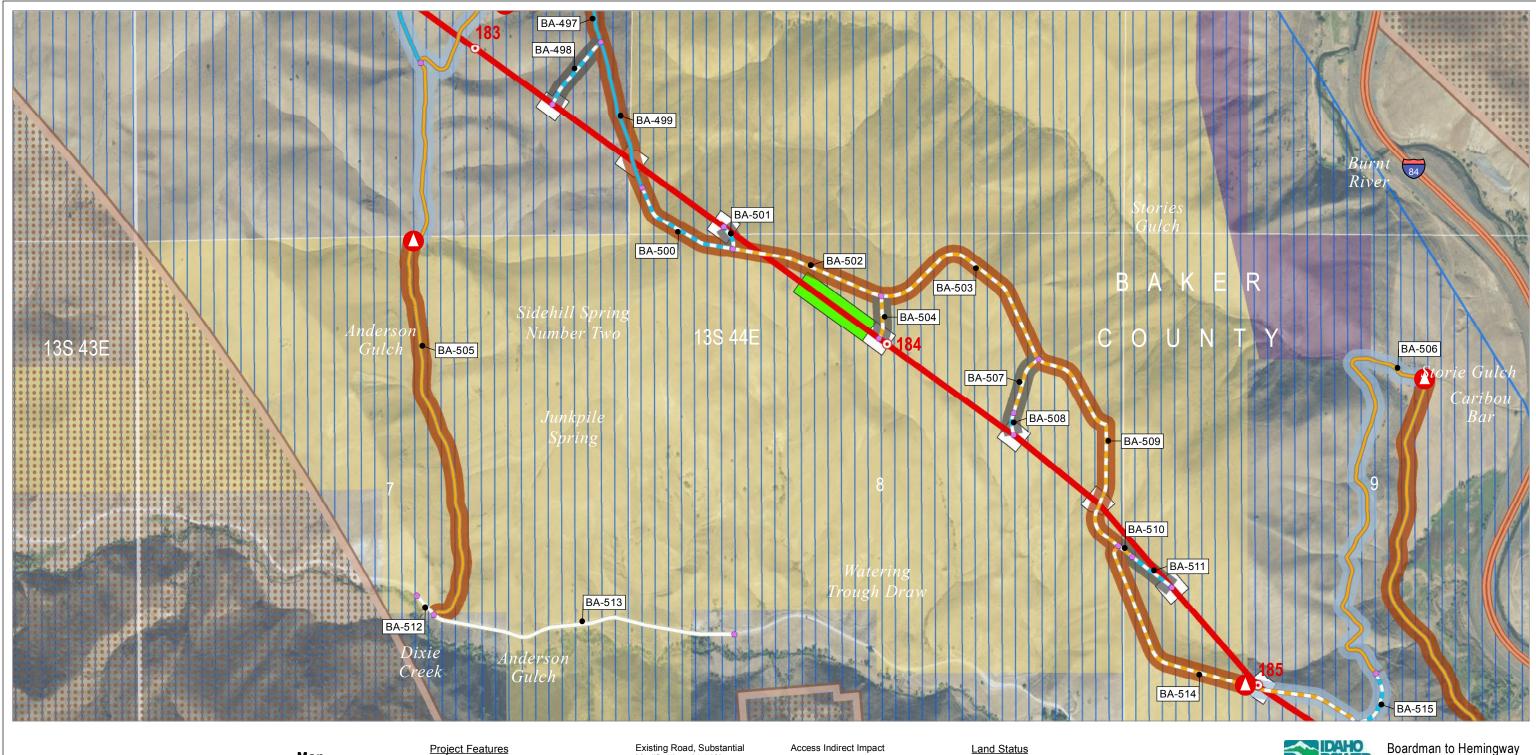
Bureau of Land Management

Private



Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route **Baker County** 





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November 2016

Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No
Substantial Modification, 020% Improvements

Existing Road, Substantial
Modification, 21-70%
Improvements

Existing Road, Substantial
Modification, 71-100%
Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Access Control

⚠ Access Control Location

Included in Indirect Impact Calculations

Access Controlled, Not Included in Indirect Impact Calculations

Not Included in Indirect Impact Calculations

# Wildlife Habitat

Sage-grouse Low Density & General Habitat

Elk Winter Range

Bureau of Land Management

Private



Boardman to Hemingway Transmission Line Project

# Attachment B-5 Road Classification Guide and Access Control Plan Proposed Route

Baker County





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Route Centerline

Proposed Route Mileposts

Mile

Work Areas

Multi-Use Area

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 21-70% Improvements

Existing Road, Substantial Modification, 71-100% Improvements

New Road, Bladed

New Road, Primitive Access Nodes

Access Control Location

Access Indirect Impact Included in Indirect Impact

Calculations

Access Controlled, Not Included in Indirect Impact Calculations

Not Included in Indirect Impact Calculations

Wildlife Habitat

Sage-grouse Low Density & General Habitat

Land Status

Bureau of Land Management

\_\_\_\_ Private



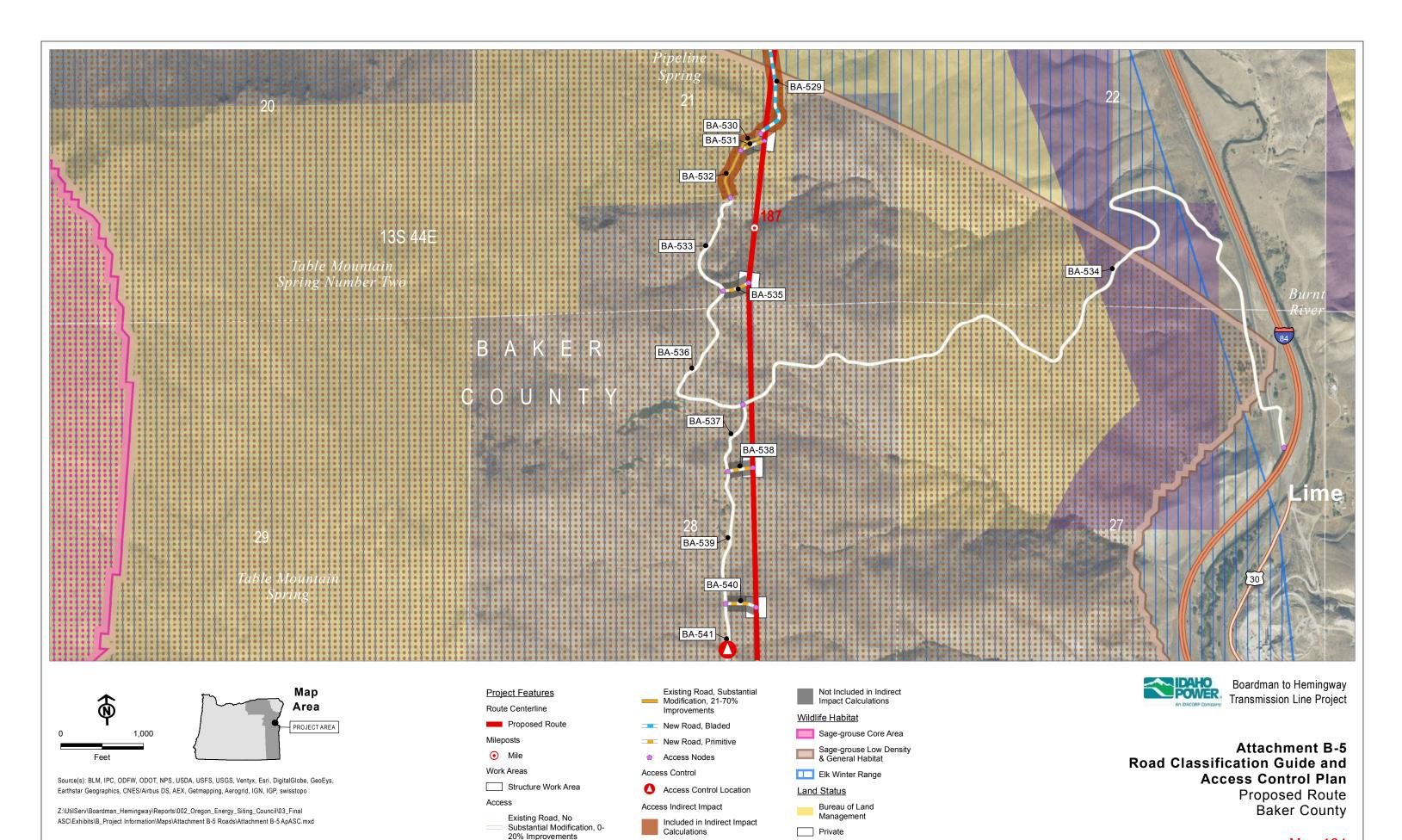
Boardman to Hemingway Transmission Line Project

Attachment B-5 Road Classification Guide and **Access Control Plan** Proposed Route

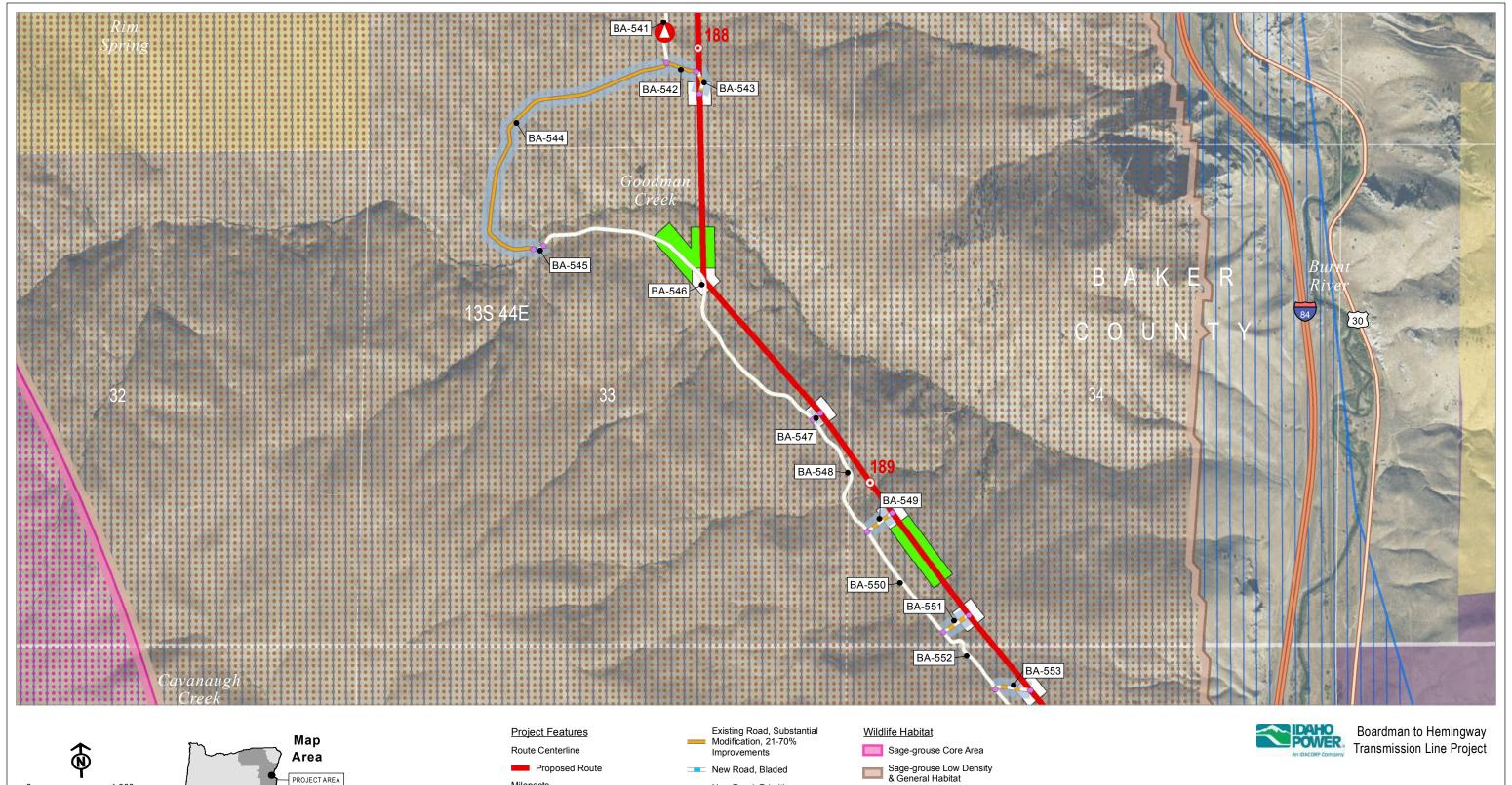
Baker County

Map 123

November 2016



November 2016





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Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

New Road, Primitive

Access Nodes

Access Control

Access Control Location

Access Indirect Impact

Access Controlled, Not Included in Indirect Impact Calculations

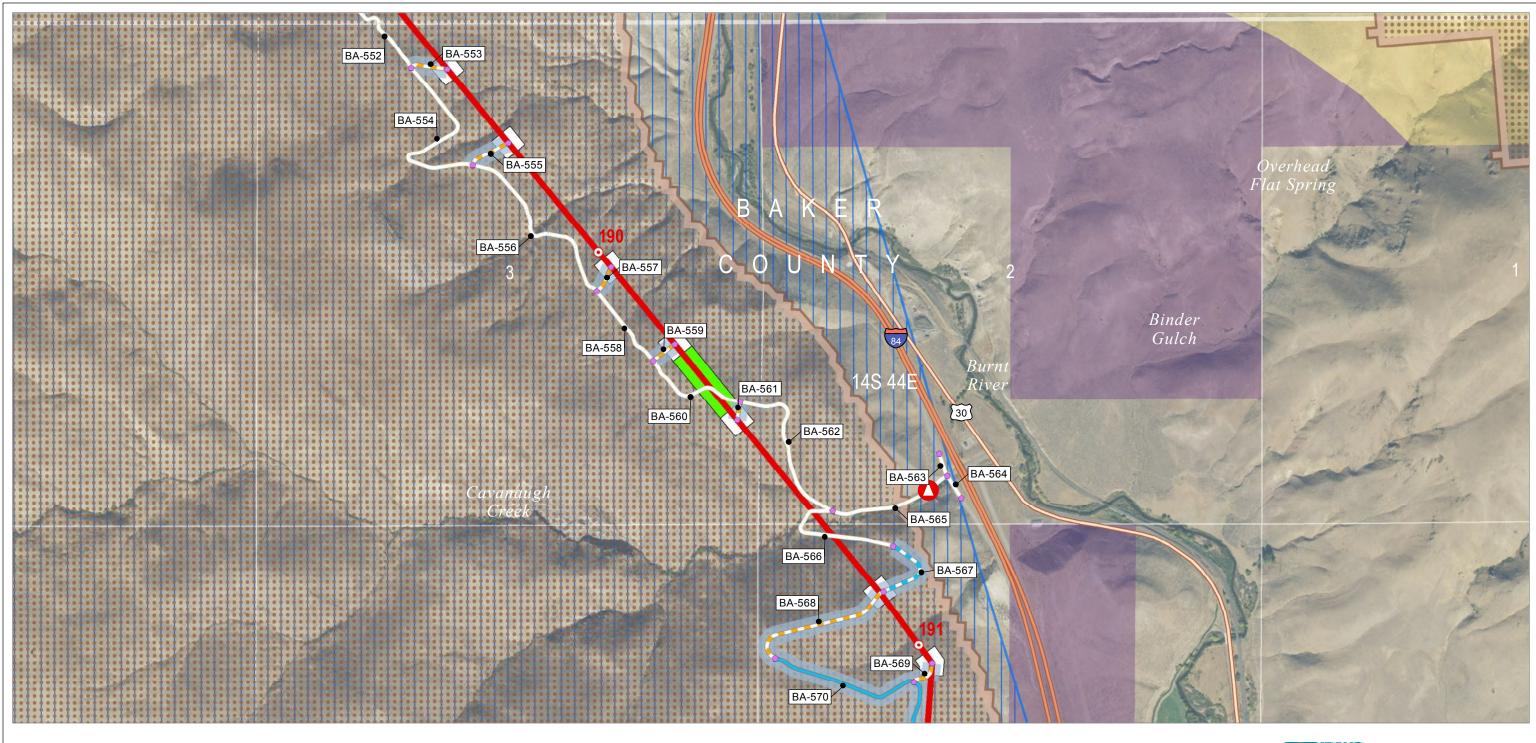
Elk Winter Range

Land Status

Bureau of Land Management

Private

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County





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November 2016



Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

- Existing Road, Substantial Modification, 71-100%
- New Road, Bladed
- New Road, Primitive
- Access Nodes

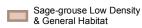
Access Control

Access Control Location

Access Indirect Impact

Access Controlled, Not Included in Indirect Impact Calculations

# Wildlife Habitat



Elk Winter Range

Land Status

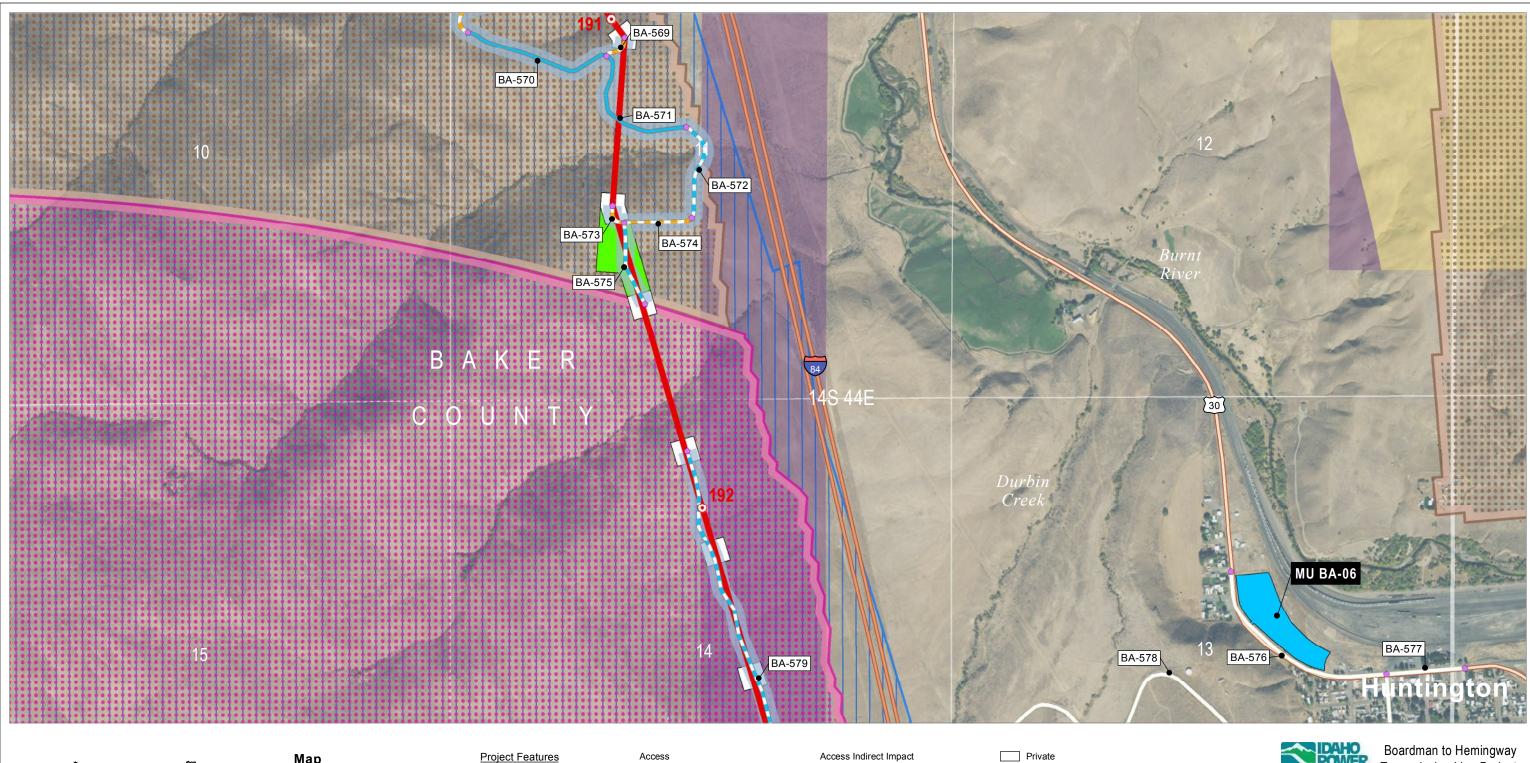
Bureau of Land Management

Private



Boardman to Hemingway Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County





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Mileposts

Mile

Work Areas

Multi-Use Area

Pulling and Tensioning

Structure Work Area

Route Centerline Proposed Route

> Existing Road, Substantial Modification, 71-100% Improvements

> > New Road, Bladed

Existing Road, No Substantial Modification, 0-

20% Improvements

New Road, Primitive

Access Nodes

Access Controlled, Not Included in Indirect Impact Calculations

Wildlife Habitat

Sage-grouse Core Area

Sage-grouse Low Density & General Habitat

Elk Winter Range

Land Status

Bureau of Land Management

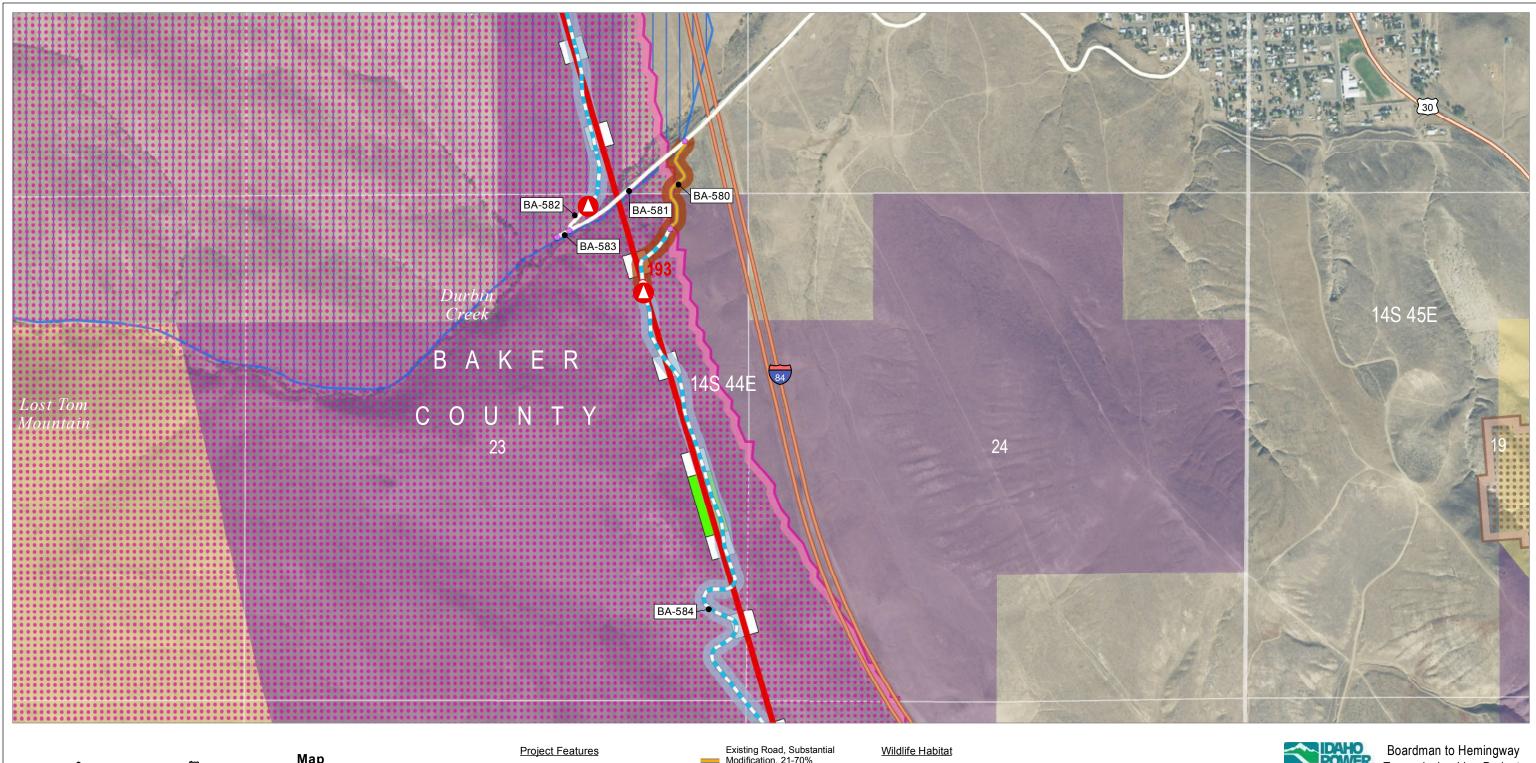


Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County

Map 127

November 2016





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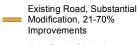
November 2016



Pulling and Tensioning

Structure Work Area Access

Existing Road, No Substantial Modification, 0-20% Improvements



New Road, Bladed

Access Nodes

Access Control Access Control Location

Access Indirect Impact

Included in Indirect Impact Calculations

Access Controlled, Not Included in Indirect Impact Calculations

Sage-grouse Core Area

Sage-grouse Low Density & General Habitat

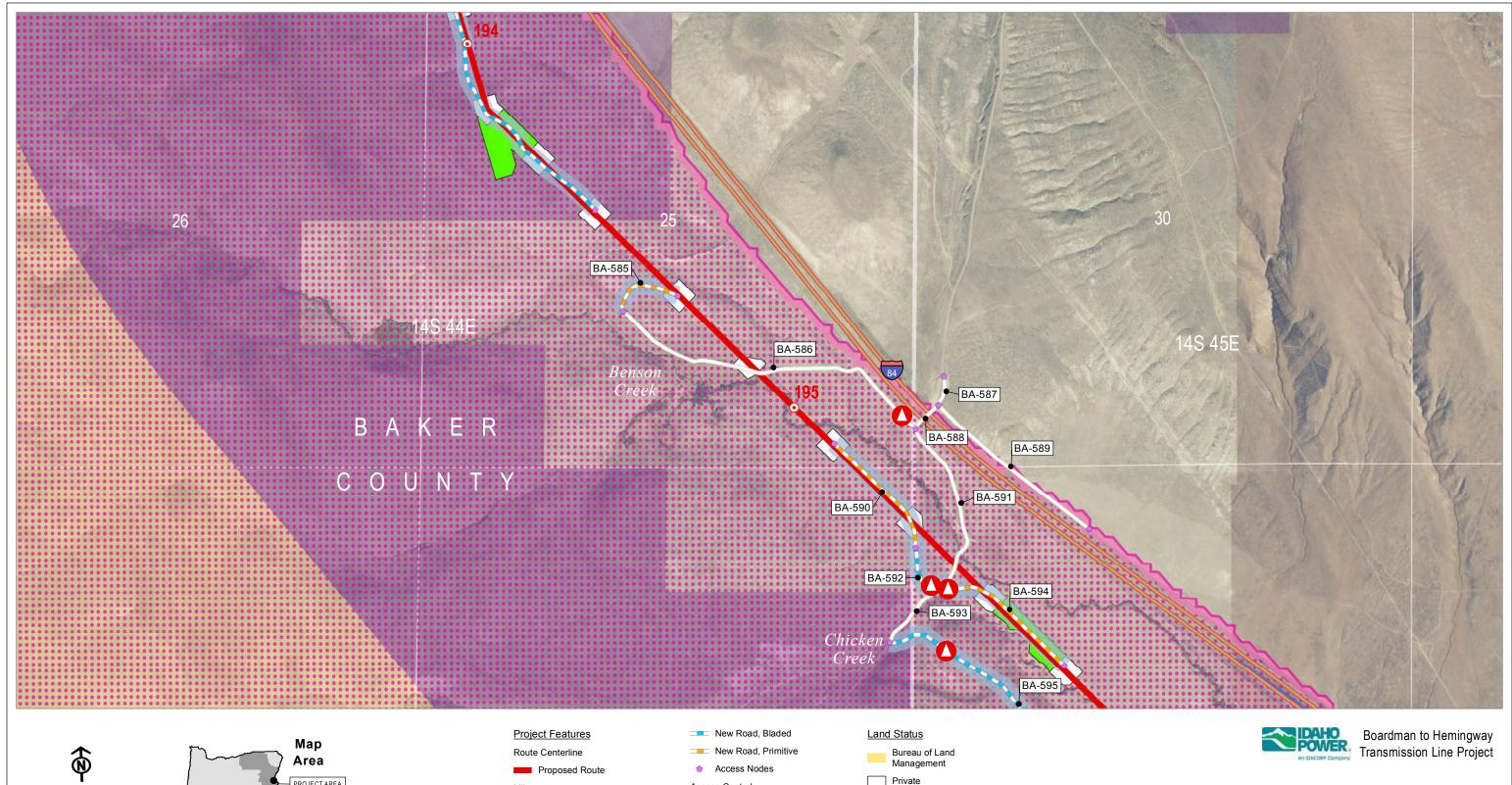
Elk Winter Range Land Status

Bureau of Land Management Private



Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Baker County





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Substantial Modification, 0-

20% Improvements



Access Indirect Impact

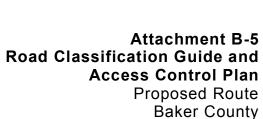
Calculations

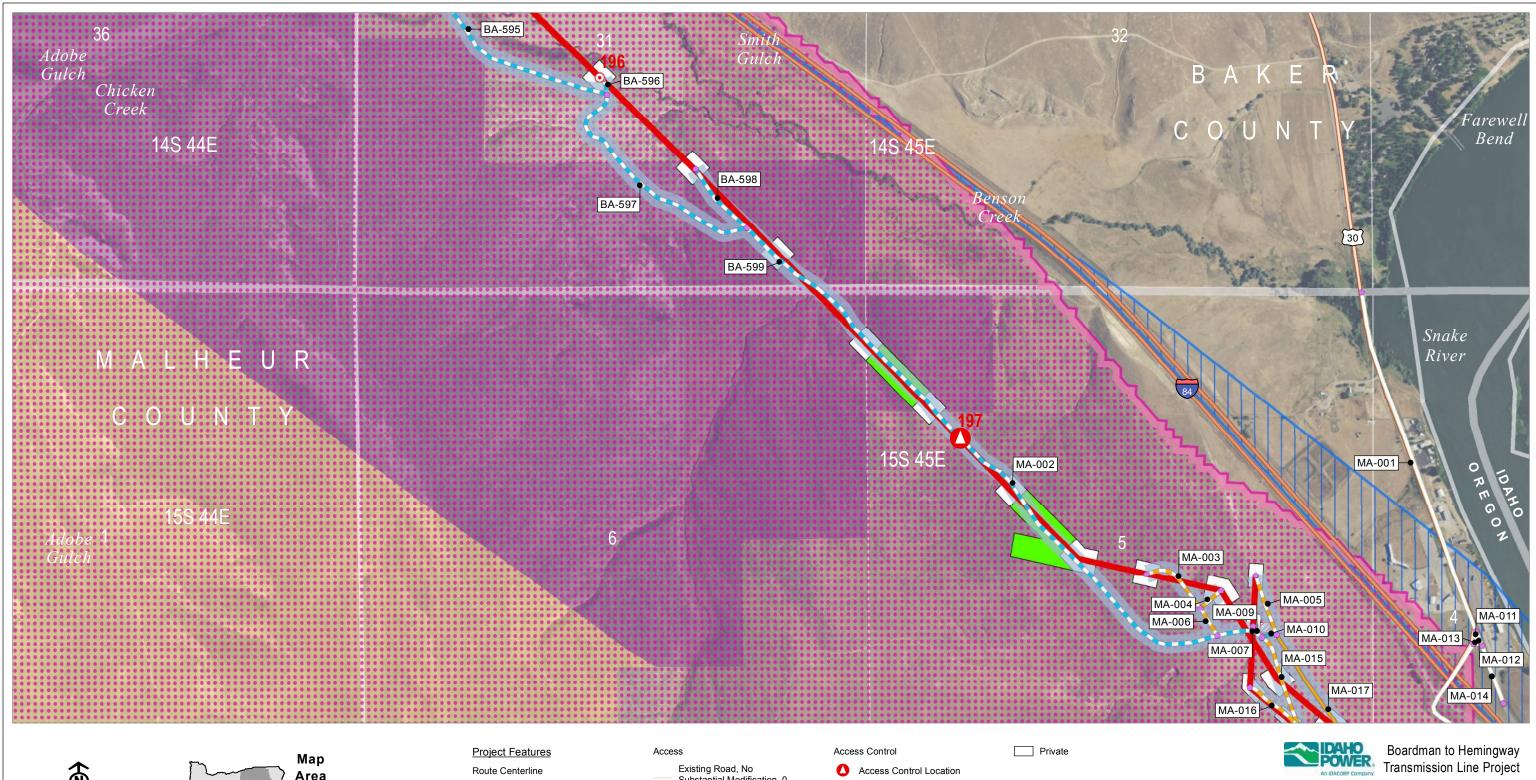
Elk Winter Range

Sage-grouse Core Area

Wildlife Habitat

Access Controlled, Not Included in Indirect Impact







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Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Structure Work Area (Removal Only)

Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 21-70% Improvements

Existing Road, Substantial Modification, 71-100%

New Road, Bladed

New Road. Primitive

Access Nodes

Access Indirect Impact

Access Controlled, Not Included in Indirect Impact Calculations

# Wildlife Habitat

Sage-grouse Core Area

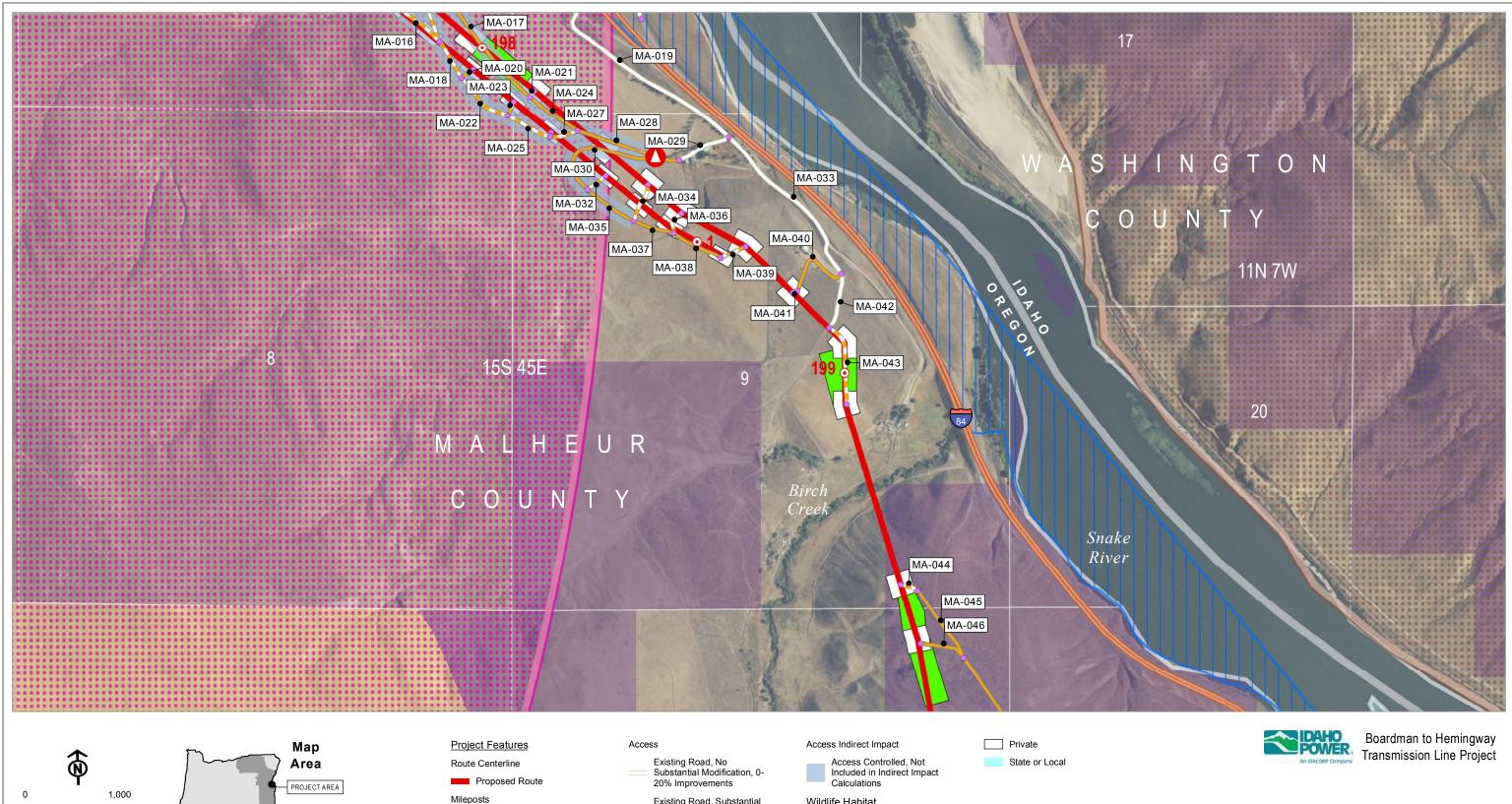
Elk Winter Range

Land Status

Bureau of Land Management

**Attachment B-5 Road Classification Guide and Access Control Plan** Proposed Route

Malheur County



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Work Areas
Pulling and Tensioning
Structure Work Area
Structure Work Area
(Removal Only)

Mile

Existing Road, No
Substantial Modification, 020% Improvements

Existing Road, Substantial
Modification, 21-70%
Improvements

New Road, Primitive
Access Nodes

Access Control
Access Control Location

Access Controlled, Not Included in Indirect Impact Calculations

Wildlife Habitat

Sage-grouse Core Area

Sage-grouse Low Density & General Habitat

Elk Winter Range

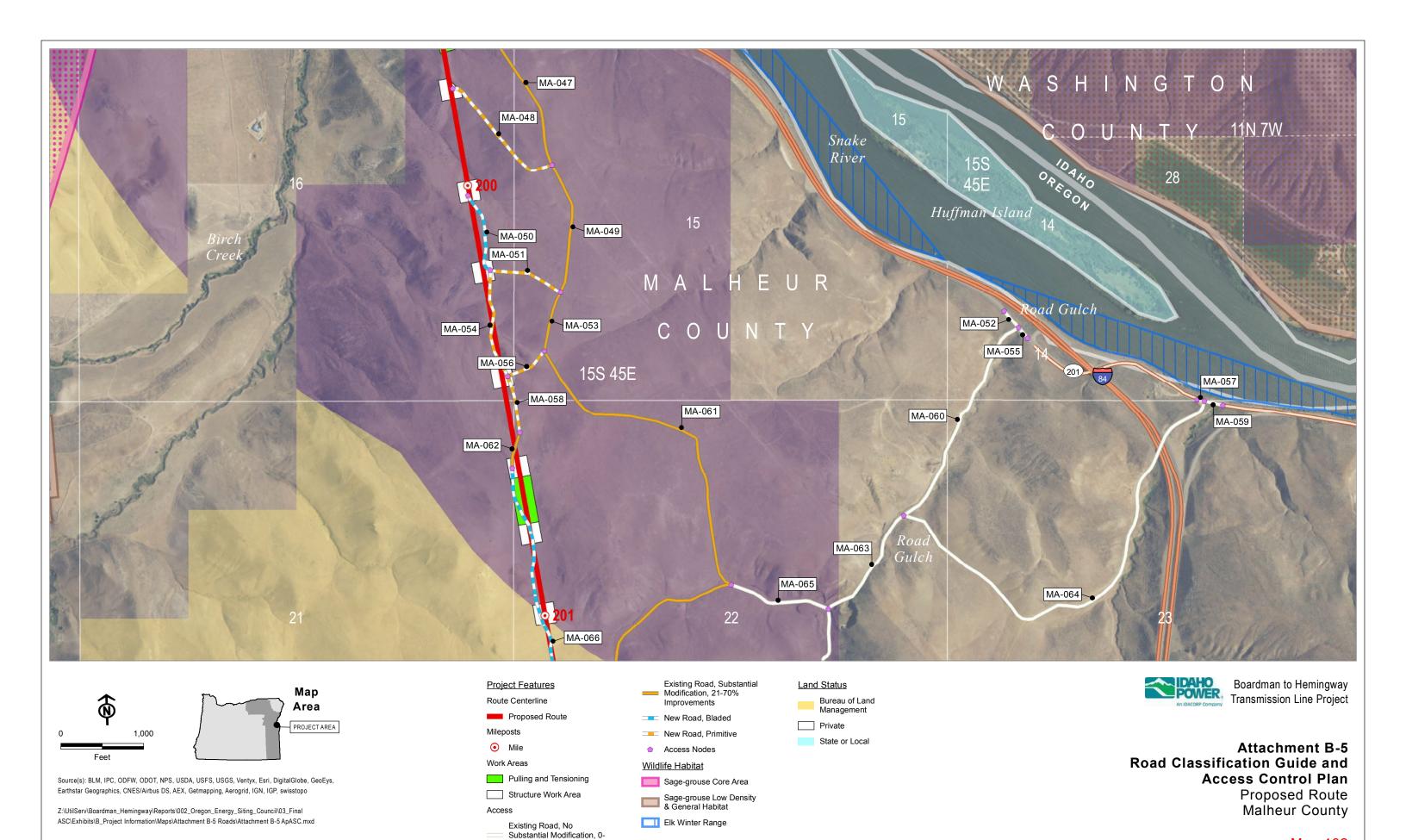
Land Status

Bureau of Land Management

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County

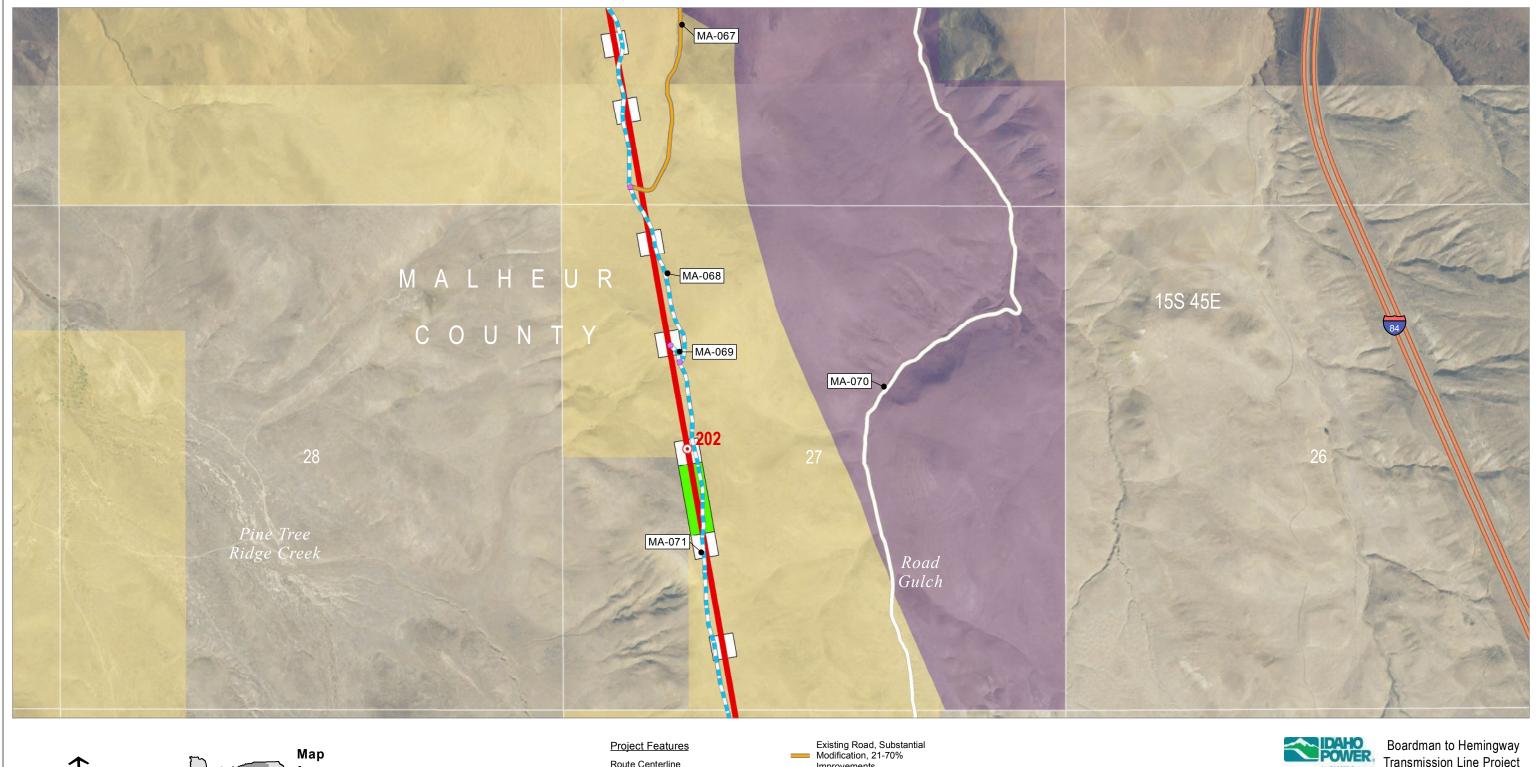
Map 131

November 2016



20% Improvements

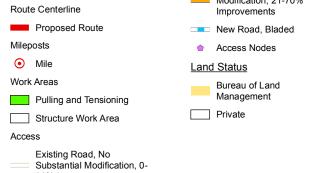
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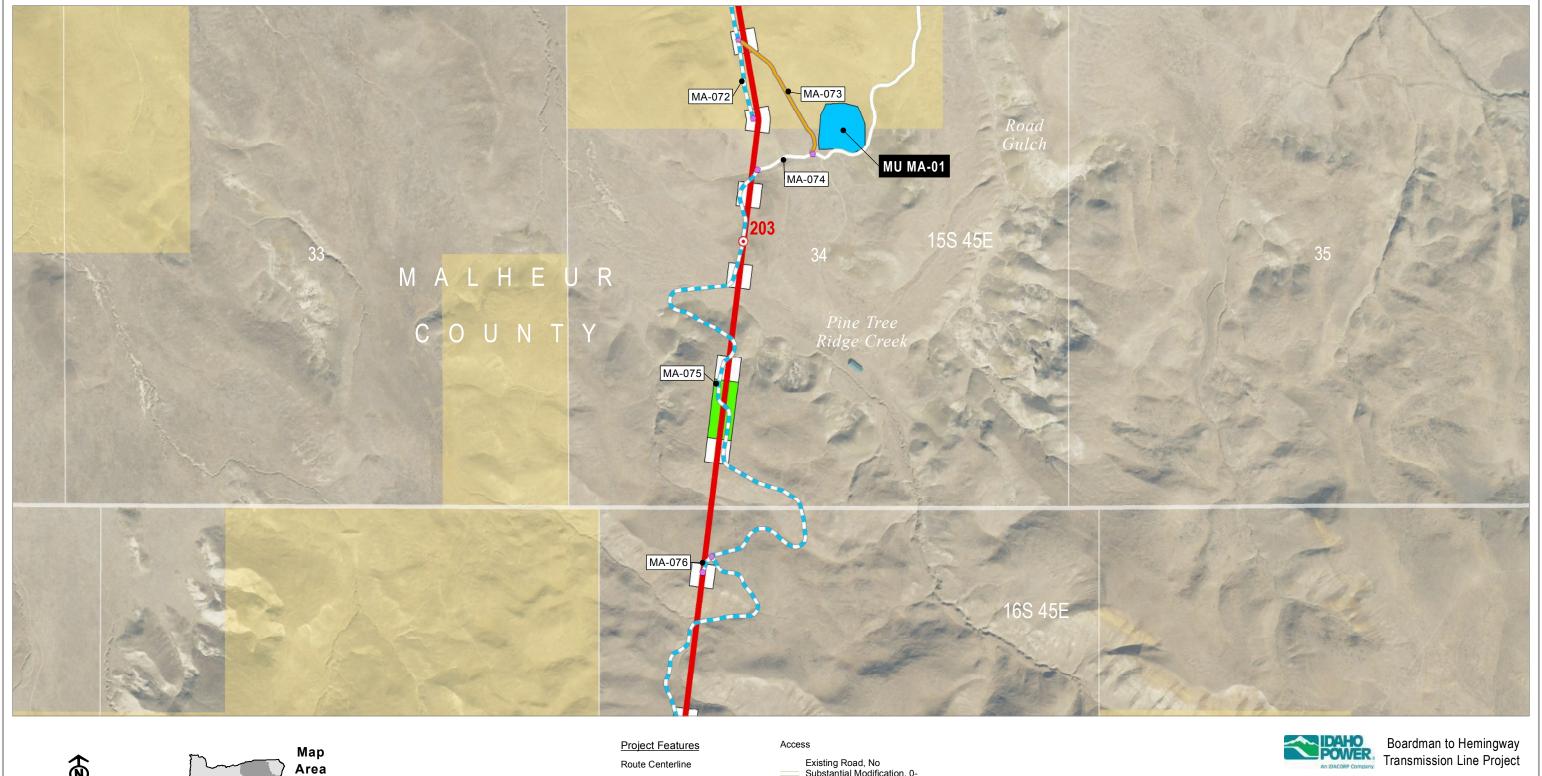


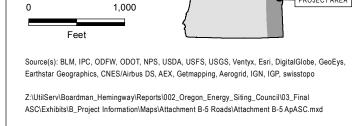
20% Improvements



Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Malheur County





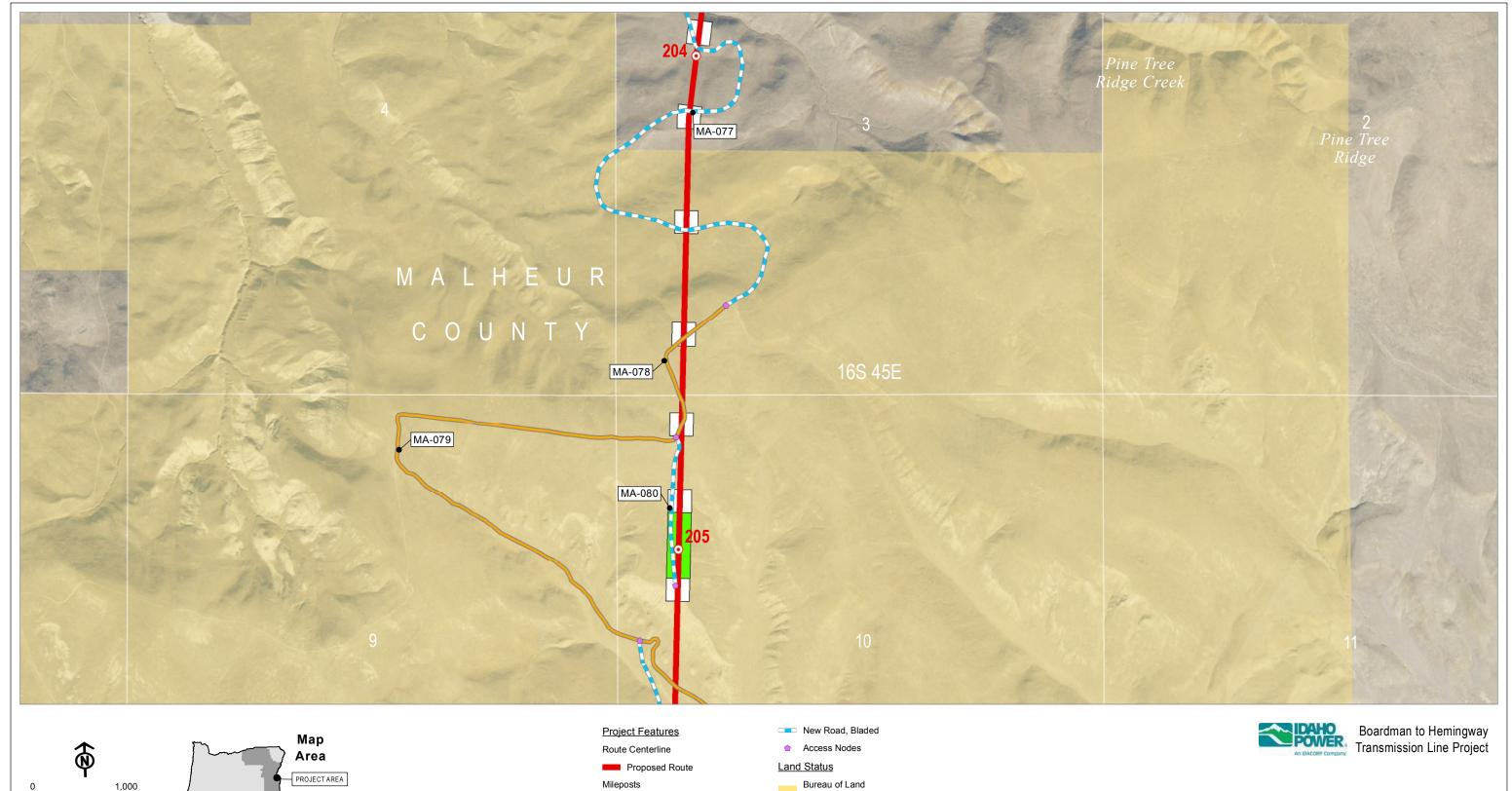
November 2016

PROJECT AREA

Existing Road, No Substantial Modification, 0-20% Improvements Proposed Route Existing Road, Substantial Modification, 21-70% Mileposts Mile Improvements Work Areas New Road, Bladed Multi-Use Area Access Nodes Pulling and Tensioning Land Status Structure Work Area Bureau of Land Management Private

Attachment B-5
Road Classification Guide and
Access Control Plan

Proposed Route
Malheur County



Improvements

Mile Desired of Land Management Service Structure Work Area Sexisting Road, Substantial Modification, 21-70%

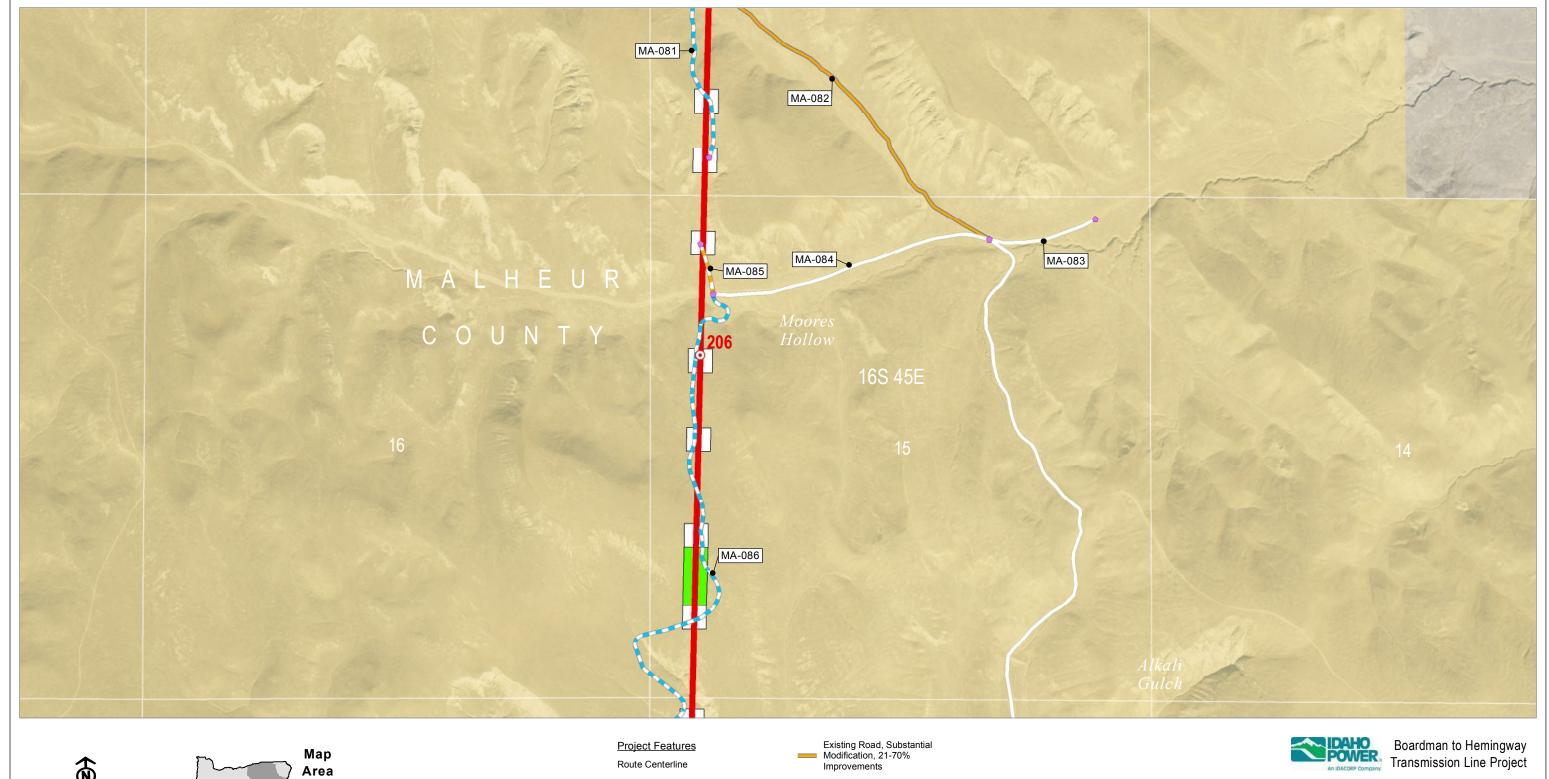
Mile Desired Structure of Land Management Service Servic

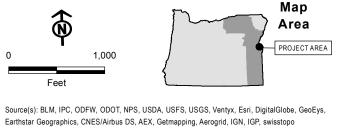
Map 135

November 2016

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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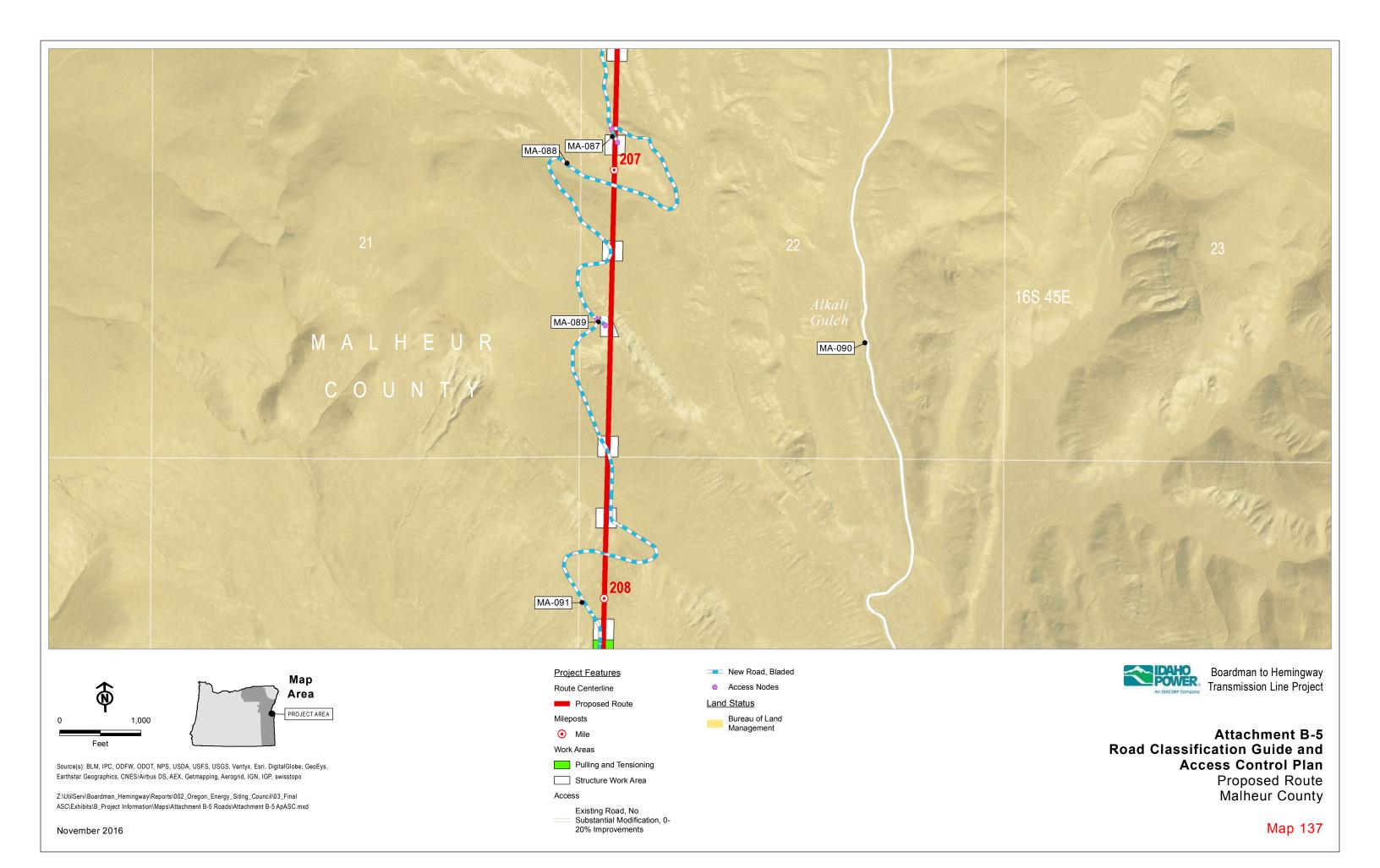
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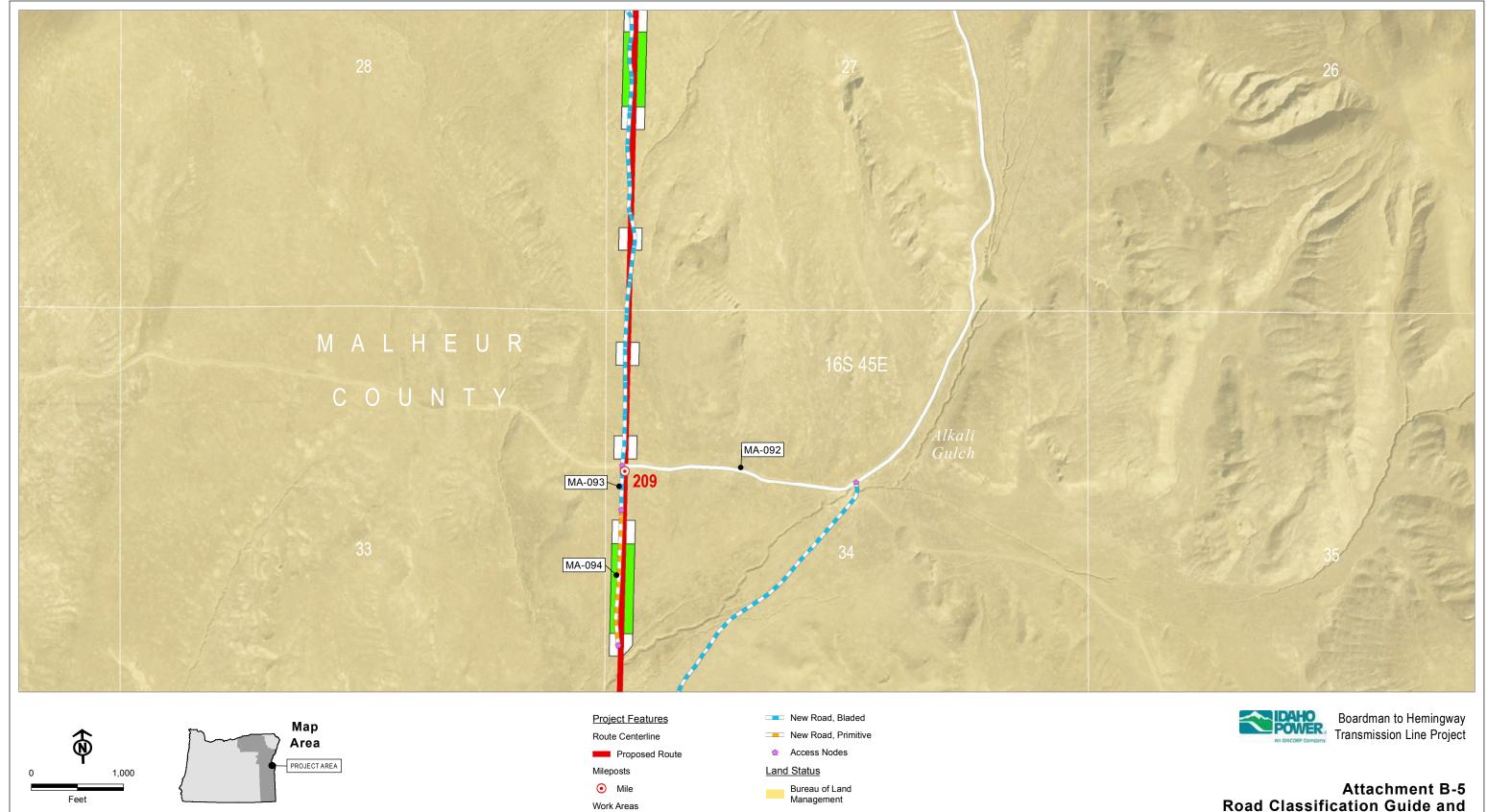
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20% Improvements

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County





Pulling and Tensioning

Existing Road, No Substantial Modification, 0-

20% Improvements

Structure Work Area

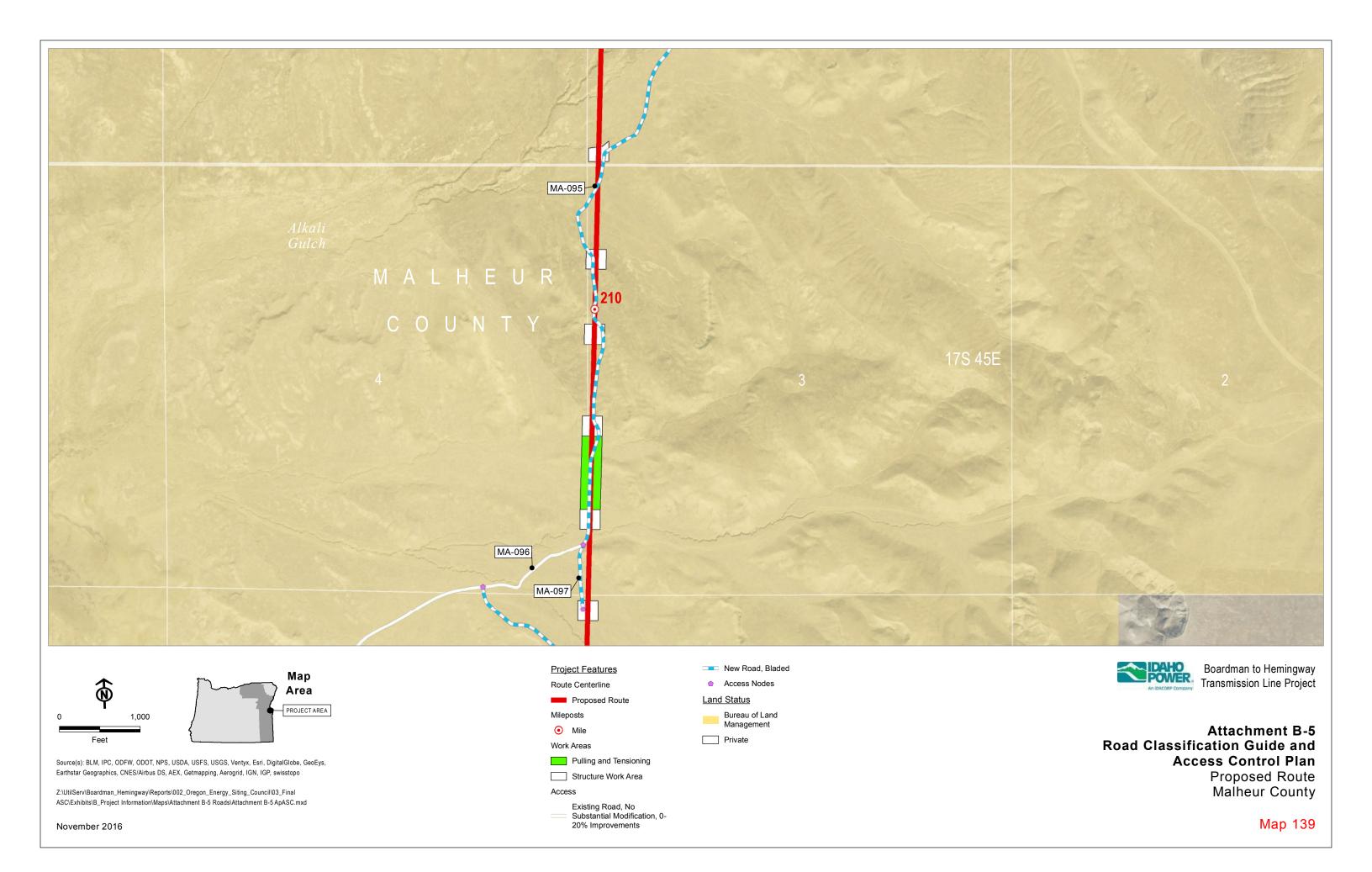
Access

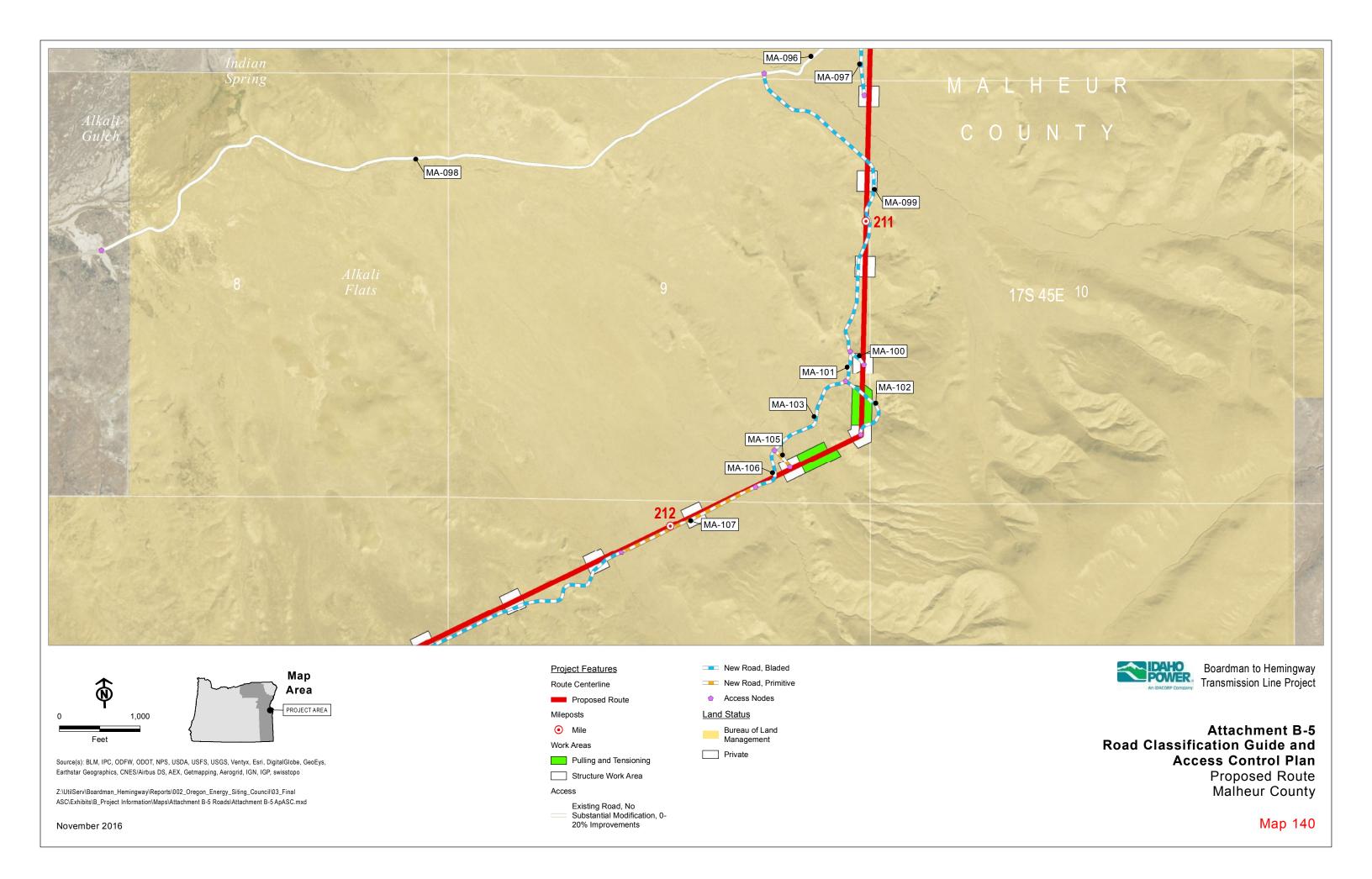
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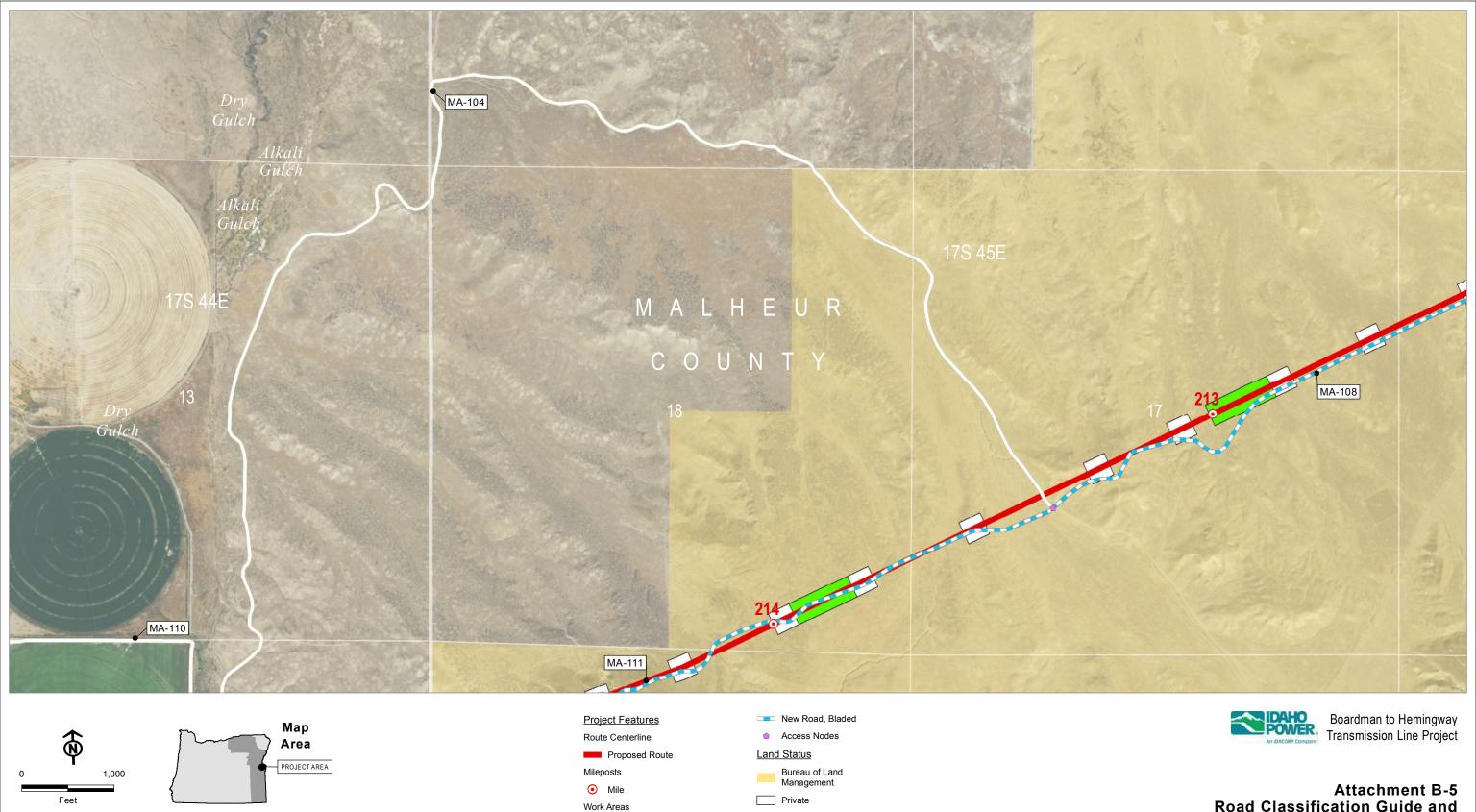
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Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County







Pulling and Tensioning

Existing Road, No Substantial Modification, 0-

20% Improvements

Structure Work Area

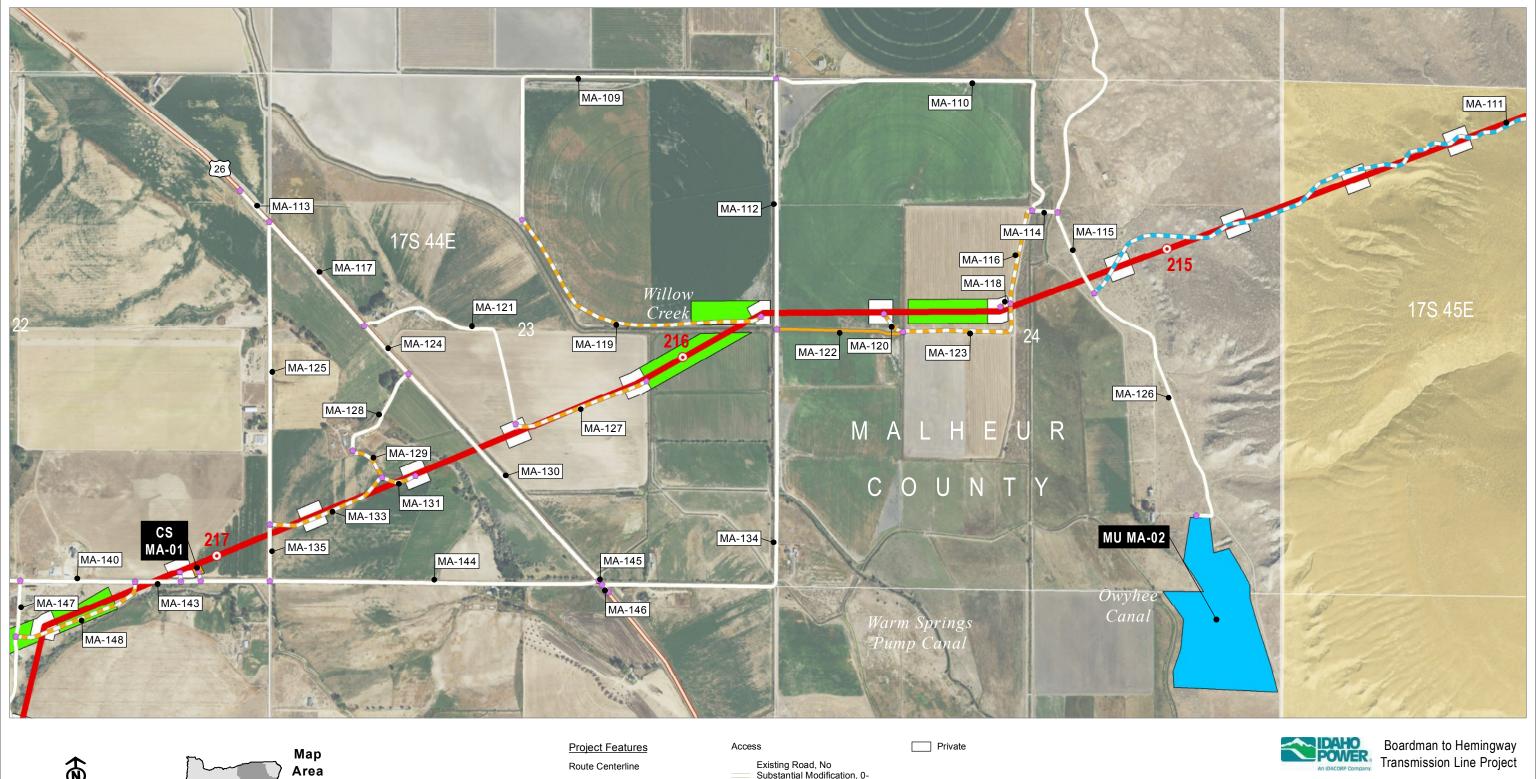
Access

November 2016

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County





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Proposed Route

Mileposts

Mile

Work Areas

Communication Station

Multi-Use Area

Pulling and Tensioning

Structure Work Area

Existing Road, No Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 21-70% Improvements

New Road, Bladed

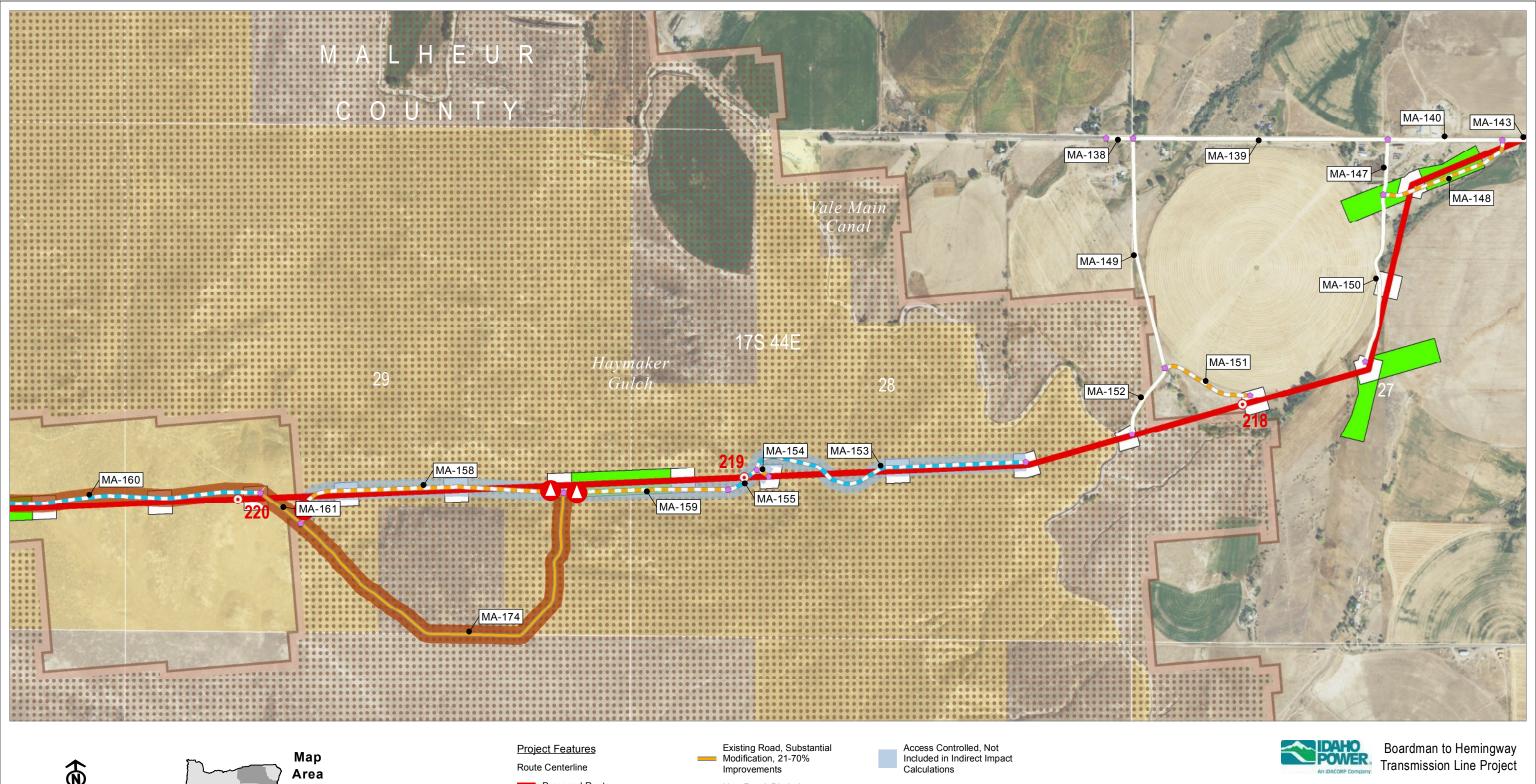
New Road, Primitive

Access Nodes

Land Status

Bureau of Land Management

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Malheur County





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November 2016

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No
Substantial Modification, 020% Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Access Control

Access Control Location

Access Indirect Impact

Included in Indirect Impact Calculations

# Wildlife Habitat

Sage-grouse Low Density & General Habitat

# Land Status

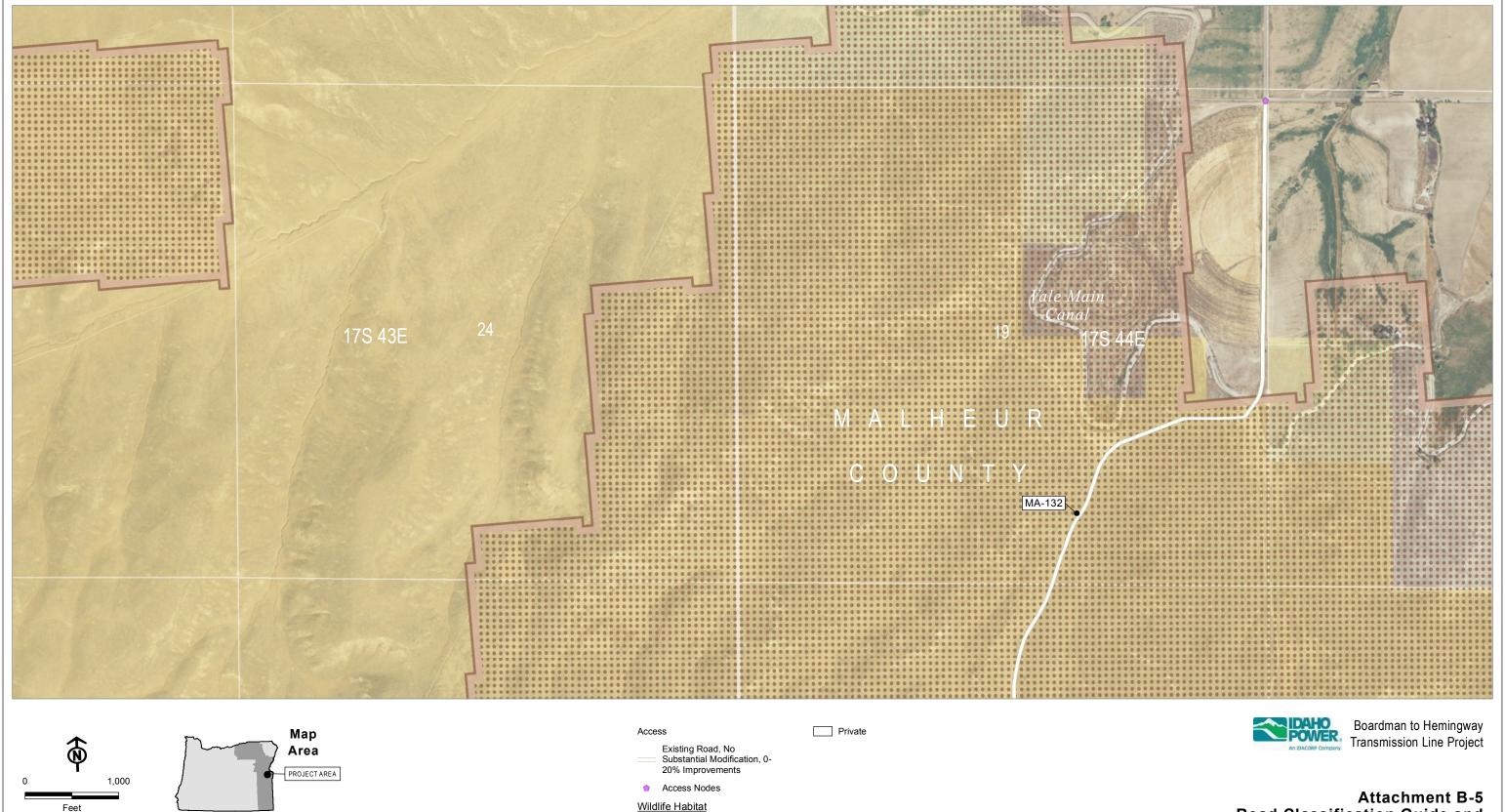
Bureau of Land Management

Bureau of Reclamation

Private

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route

Proposed Route Malheur County



Sage-grouse Low Density & General Habitat

Bureau of Land

Management
Bureau of Reclamation

Land Status

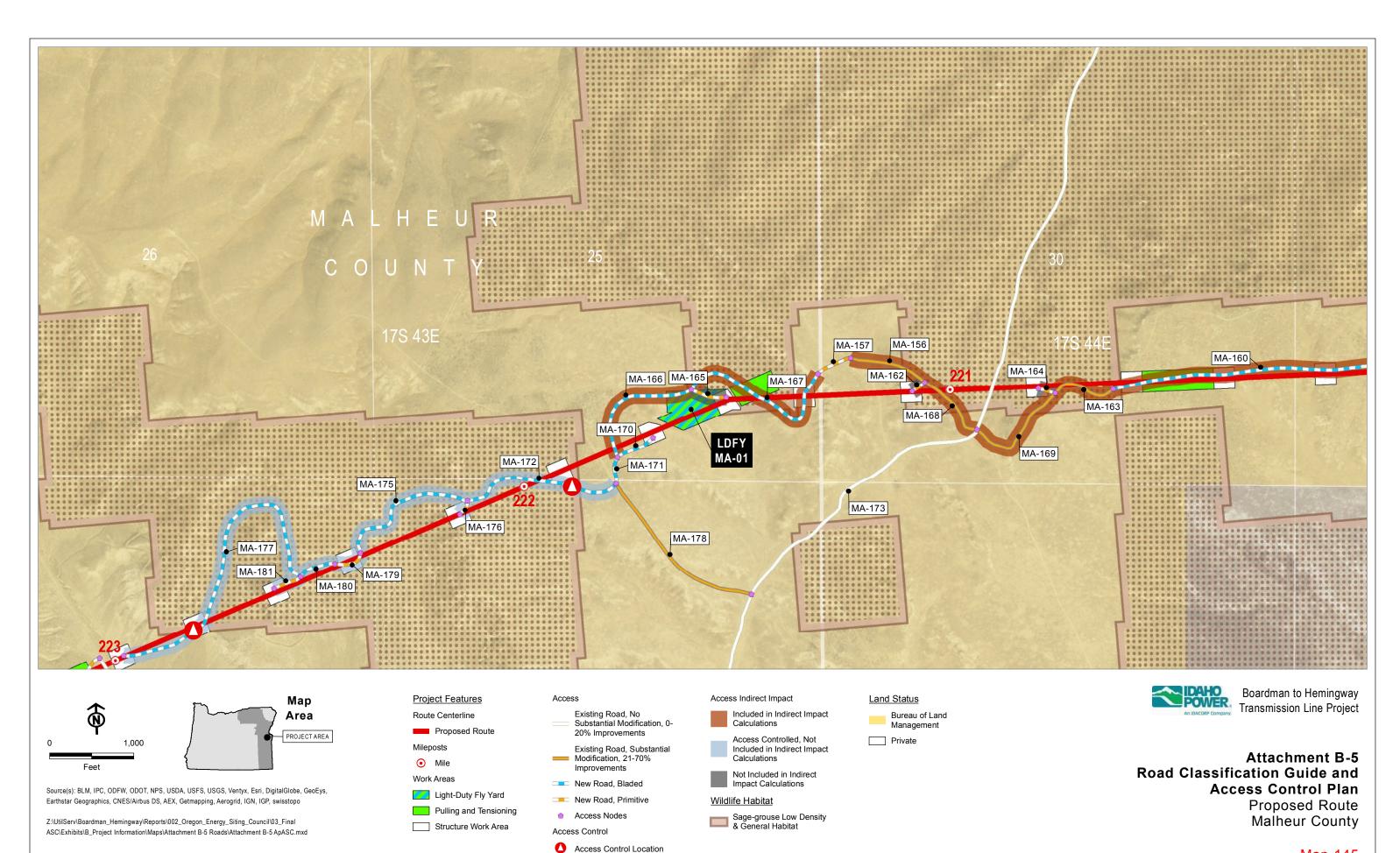
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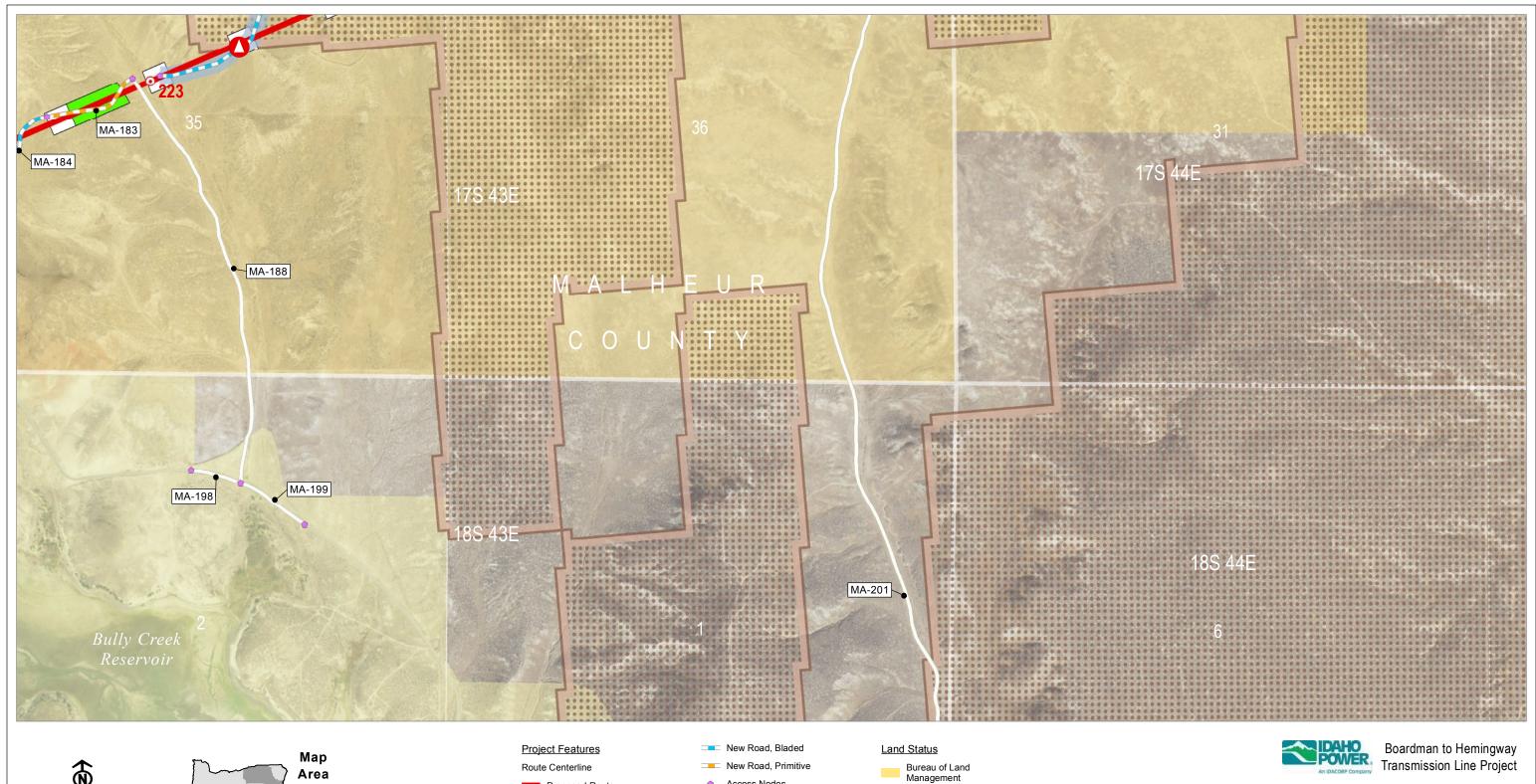
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Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County



November 2016



Calculations

Sage-grouse Low Density & General Habitat

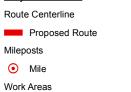
Wildlife Habitat



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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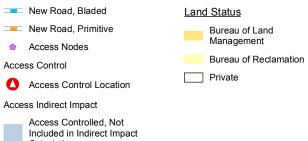
November 2016



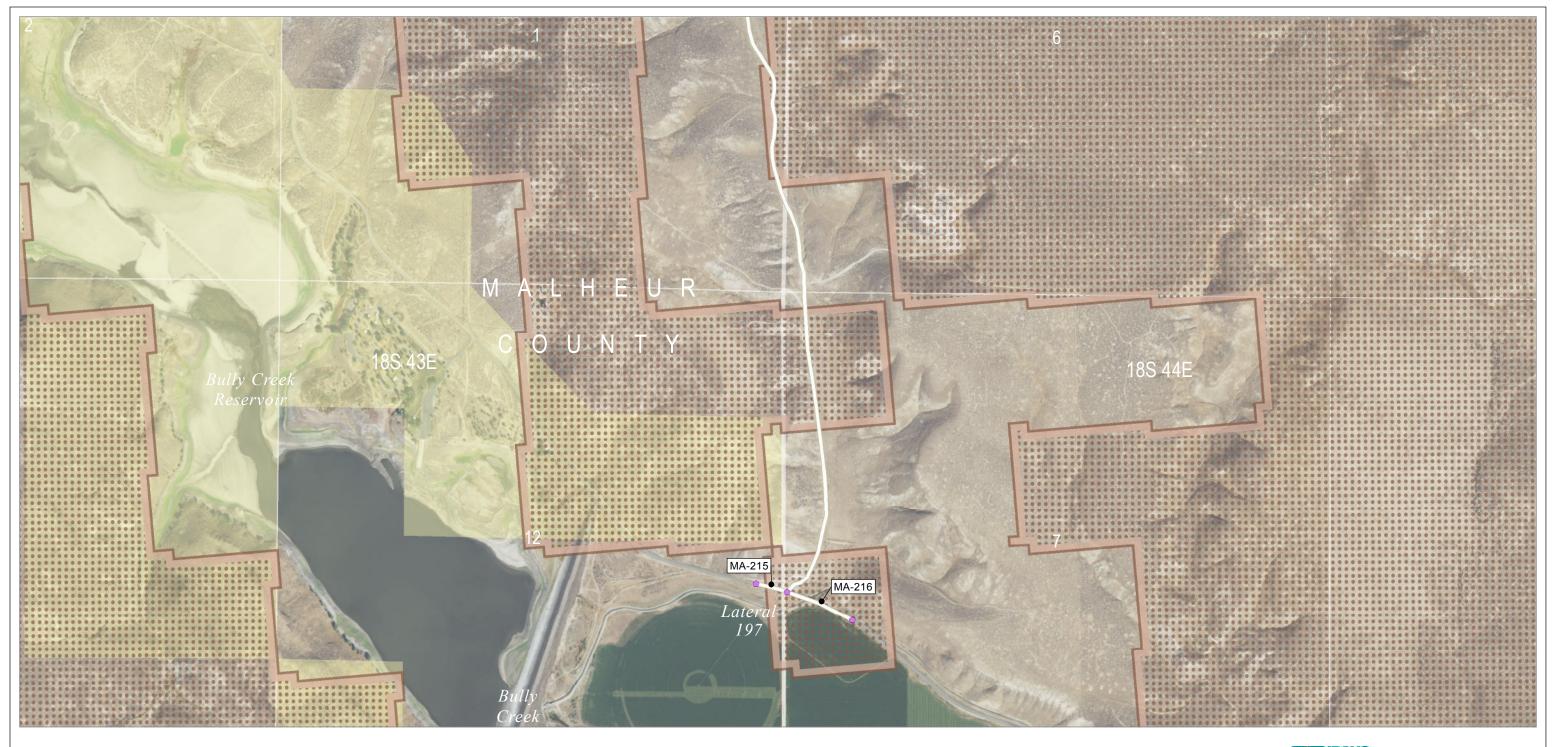
Pulling and Tensioning
Structure Work Area

Access

Existing Road, No
Substantial Modification, 020% Improvements



# Attachment B-5 Road Classification Guide and Access Control Plan Proposed Route Malheur County





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Access

Existing Road, No
Substantial Modification, 020% Improvements

Access Nodes

Wildlife Habitat

Sage-grouse Low Density & General Habitat

and Status

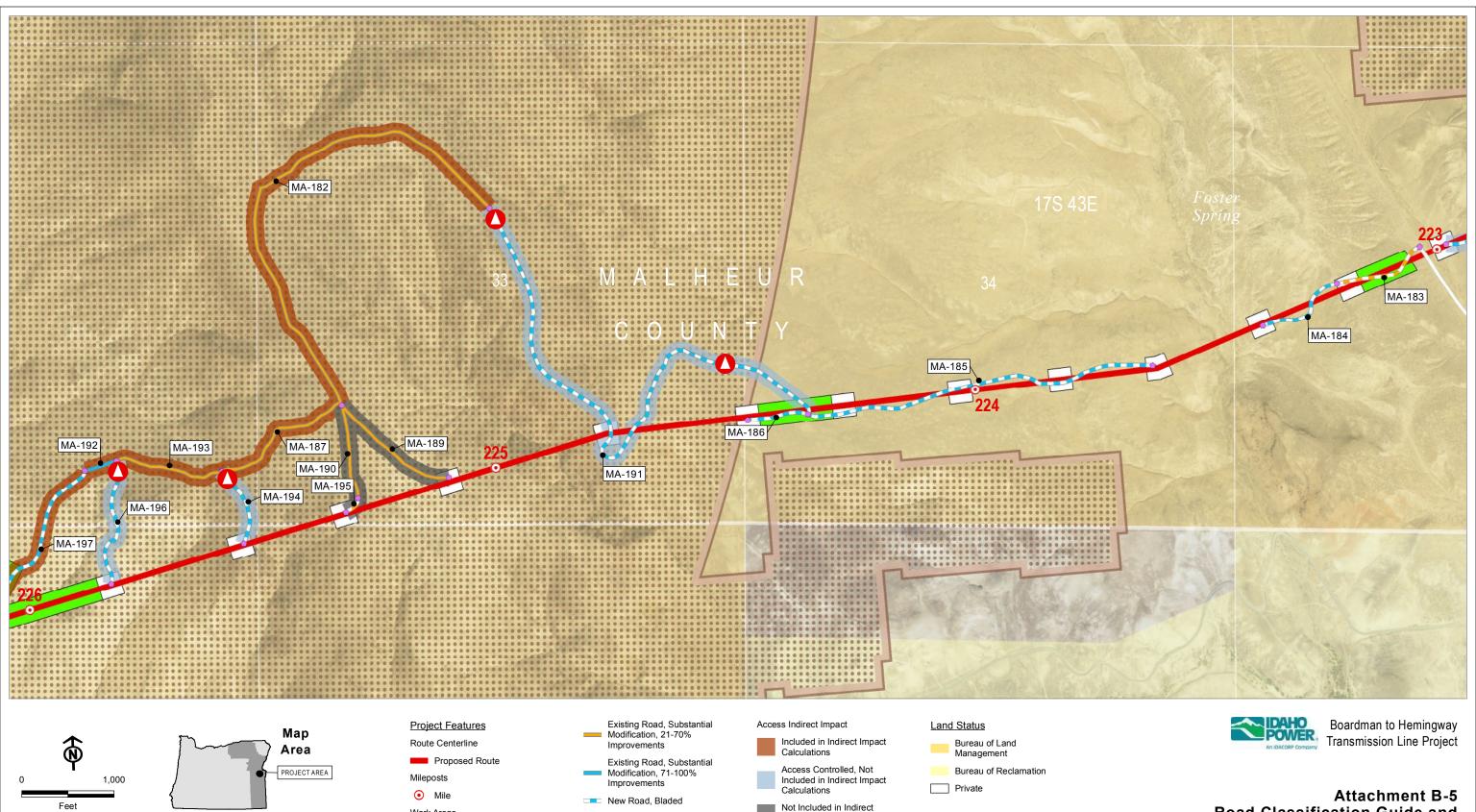
Bureau of Reclamation

\_\_\_\_ Private



Boardman to Hemingway Transmission Line Project

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County



Impact Calculations

Sage-grouse Low Density & General Habitat

Wildlife Habitat

New Road, Primitive

⚠ Access Control Location

Access Nodes

Access Control

Work Areas

Access

Pulling and Tensioning

Structure Work Area

Existing Road, No Substantial Modification, 0-

20% Improvements

November 2016

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County



Not Included in Indirect

Malheur County

Map 149

Impact Calculations

Sage-grouse Low Density & General Habitat

Wildlife Habitat

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Pulling and Tensioning

Structure Work Area

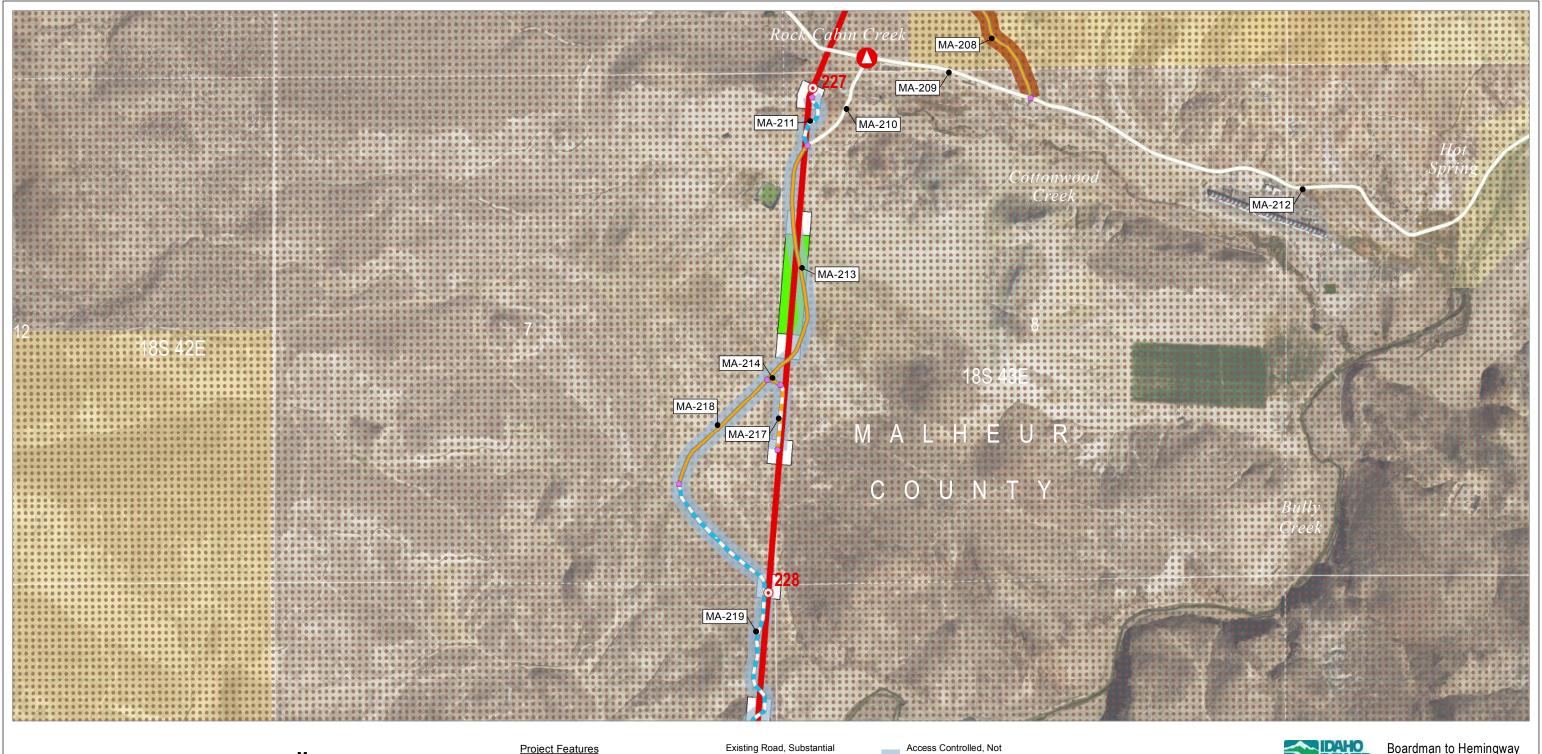
New Road, Bladed

New Road, Primitive

Access Nodes

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November 2016



Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 21-70%

New Road, Bladed

New Road, Primitive

Access Nodes

Access Control

Access Control Location

Access Indirect Impact

Included in Indirect Impact Calculations

Access Controlled, Not Included in Indirect Impact Calculations

# Wildlife Habitat

Sage-grouse Low Density & General Habitat

# Land Status

Bureau of Land Management

Bureau of Reclamation

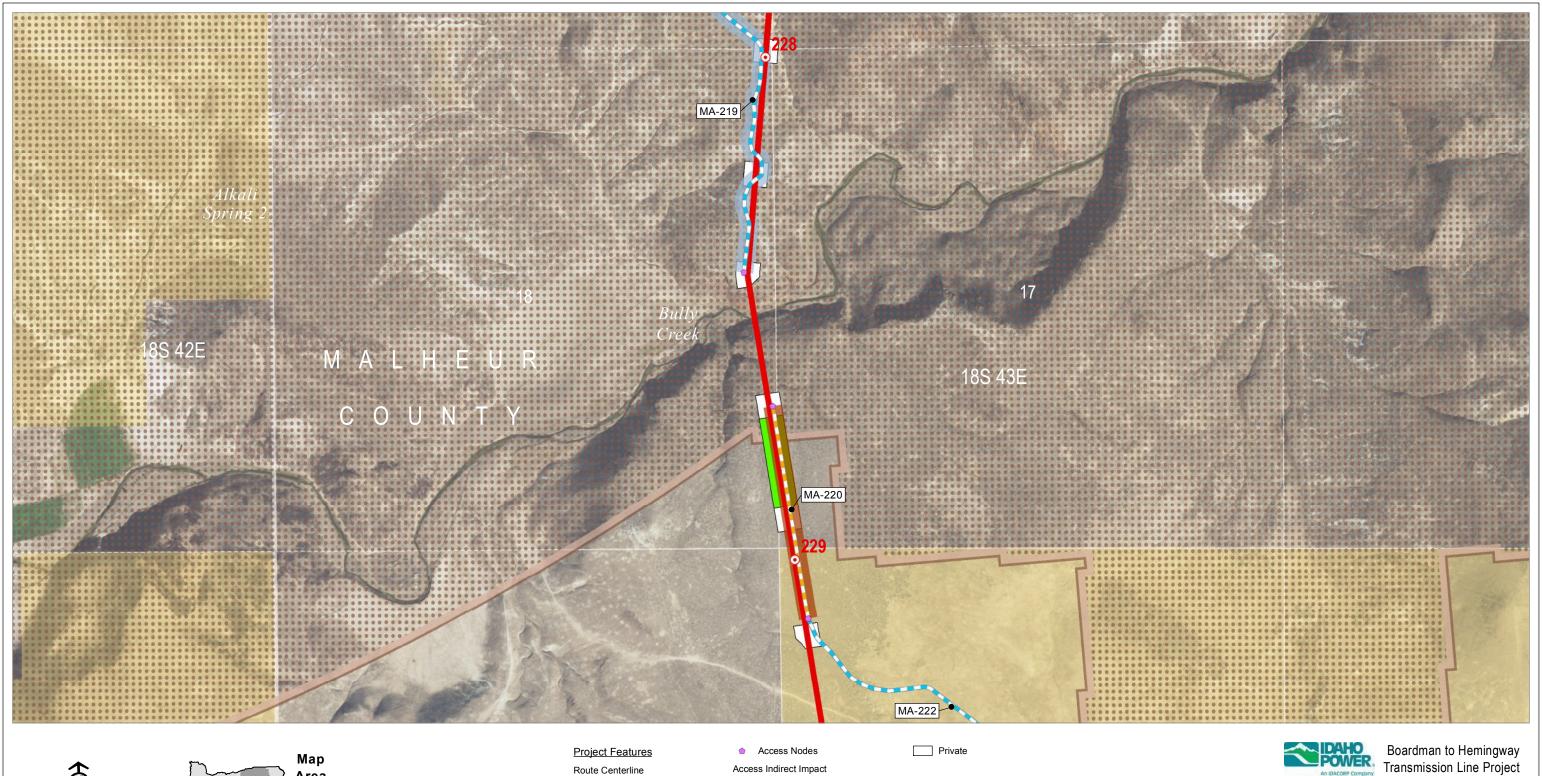
Private



Boardman to Hemingway Transmission Line Project

**Attachment B-5 Road Classification Guide and Access Control Plan Proposed Route** 

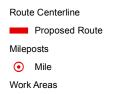
Malheur County





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November 2016



Pulling and Tensioning Structure Work Area

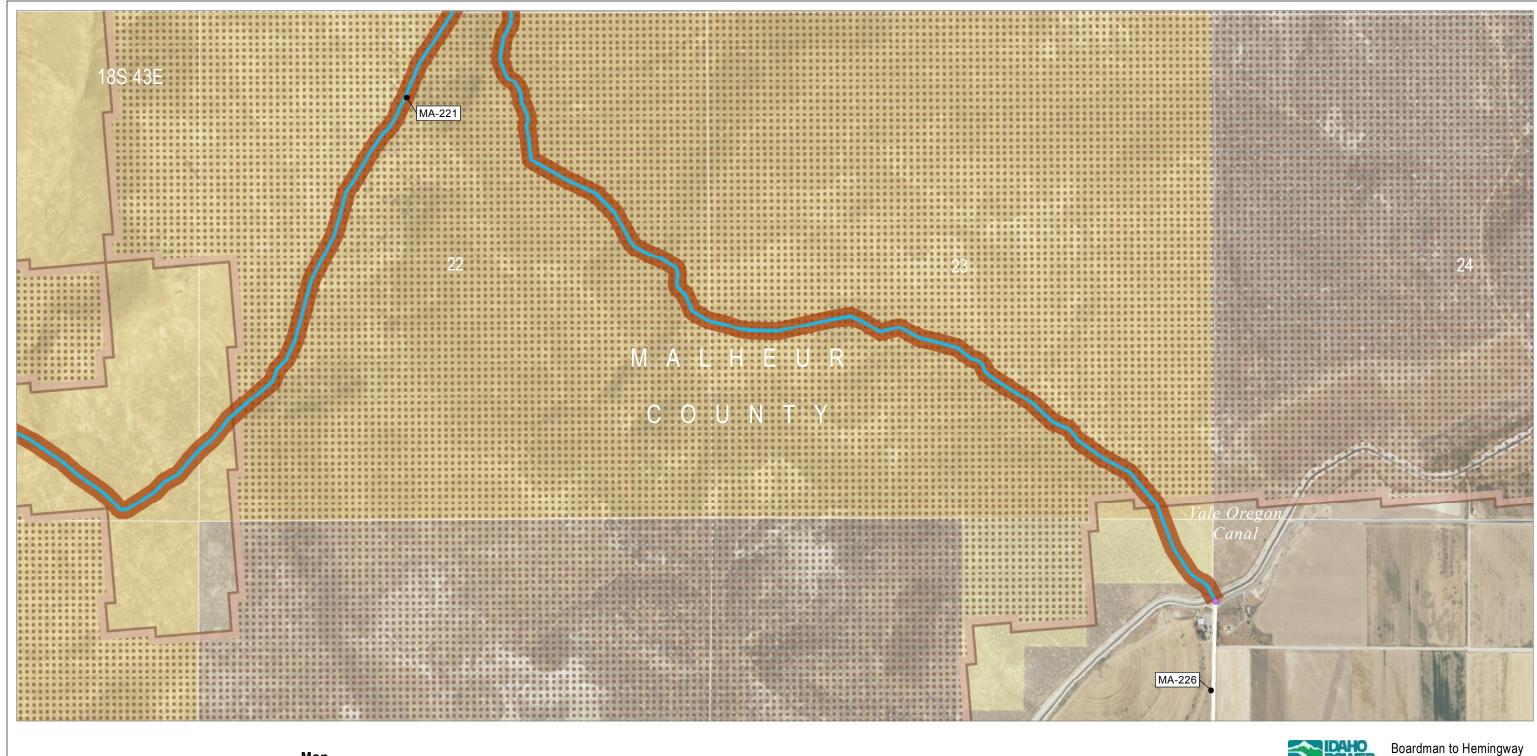
New Road, Primitive

Included in Indirect Impact Calculations Access Controlled, Not Included in Indirect Impact Calculations Wildlife Habitat Sage-grouse Low Density & General Habitat

Bureau of Land Management



**Attachment B-5 Road Classification Guide and Access Control Plan Proposed Route** Malheur County





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Existing Road, No
Substantial Modification, 020% Improvements

Existing Road, Substantial
Modification, 71-100%
Improvements

Access Nodes

Access

Access Indirect Impact

Included in Indirect Impact Calculations

dlife Habitat

Sage-grouse Low Density & General Habitat

Land Status

Bureau of Land Management

Bureau of Reclamation

Private

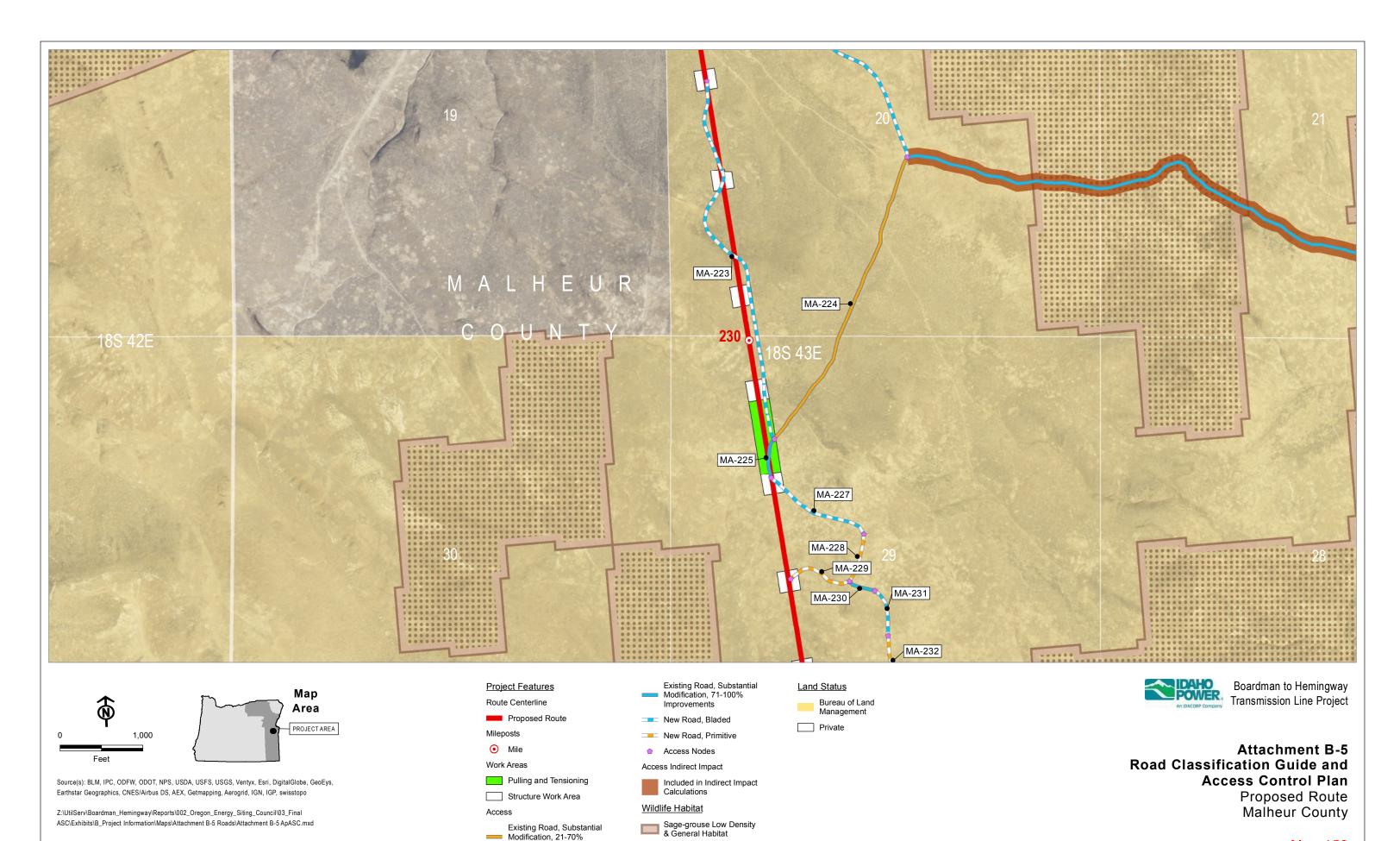
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Boardman to Hemingway Transmission Line Project

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route

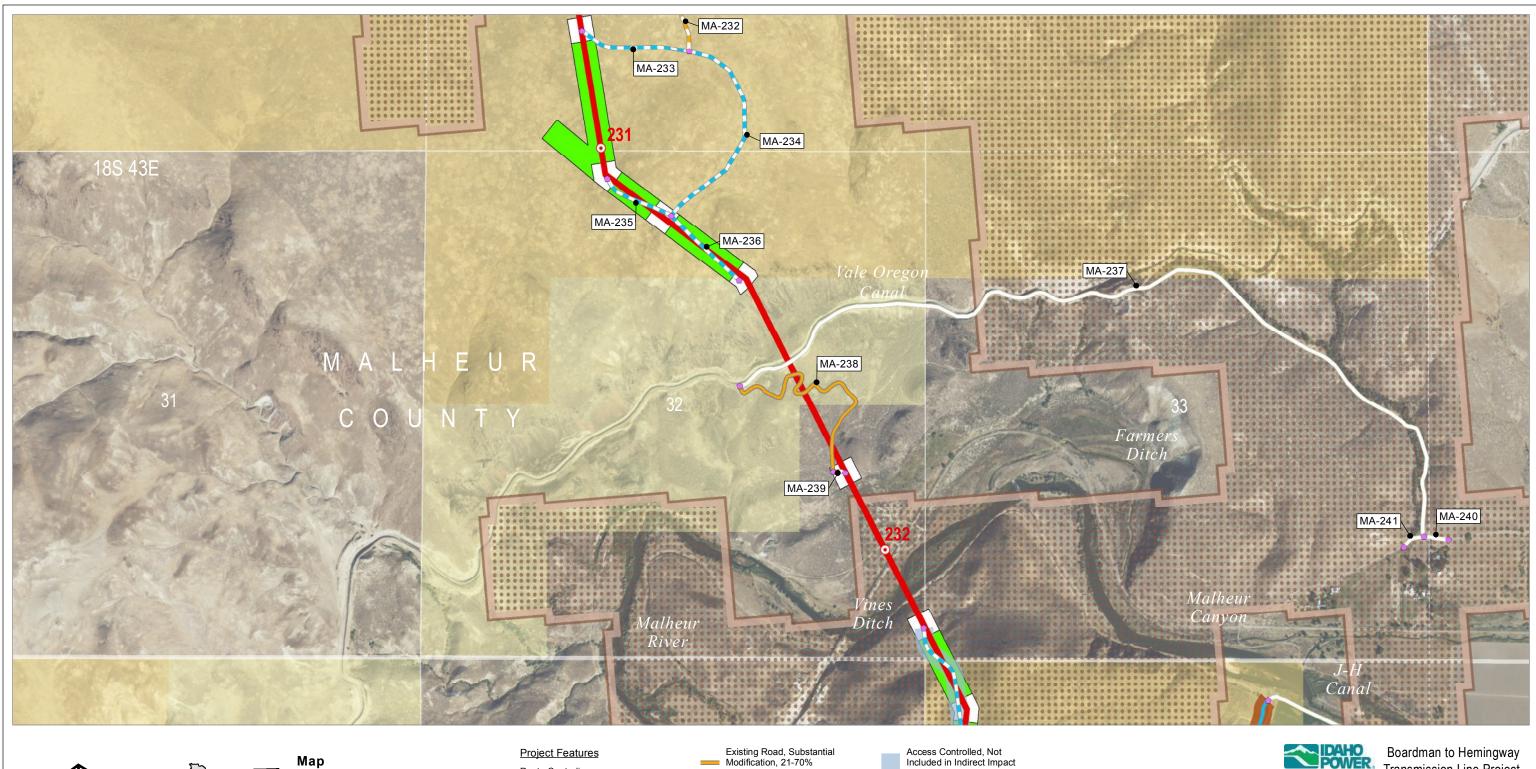
Malheur County

November 2016



Improvements

November 2016





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Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

Modification, 21-70%

Existing Road, Substantial Modification, 71-100% Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Access Indirect Impact

Included in Indirect Impact Calculations

Calculations

# Wildlife Habitat

Sage-grouse Low Density & General Habitat

# Land Status

Bureau of Land Management

Bureau of Reclamation

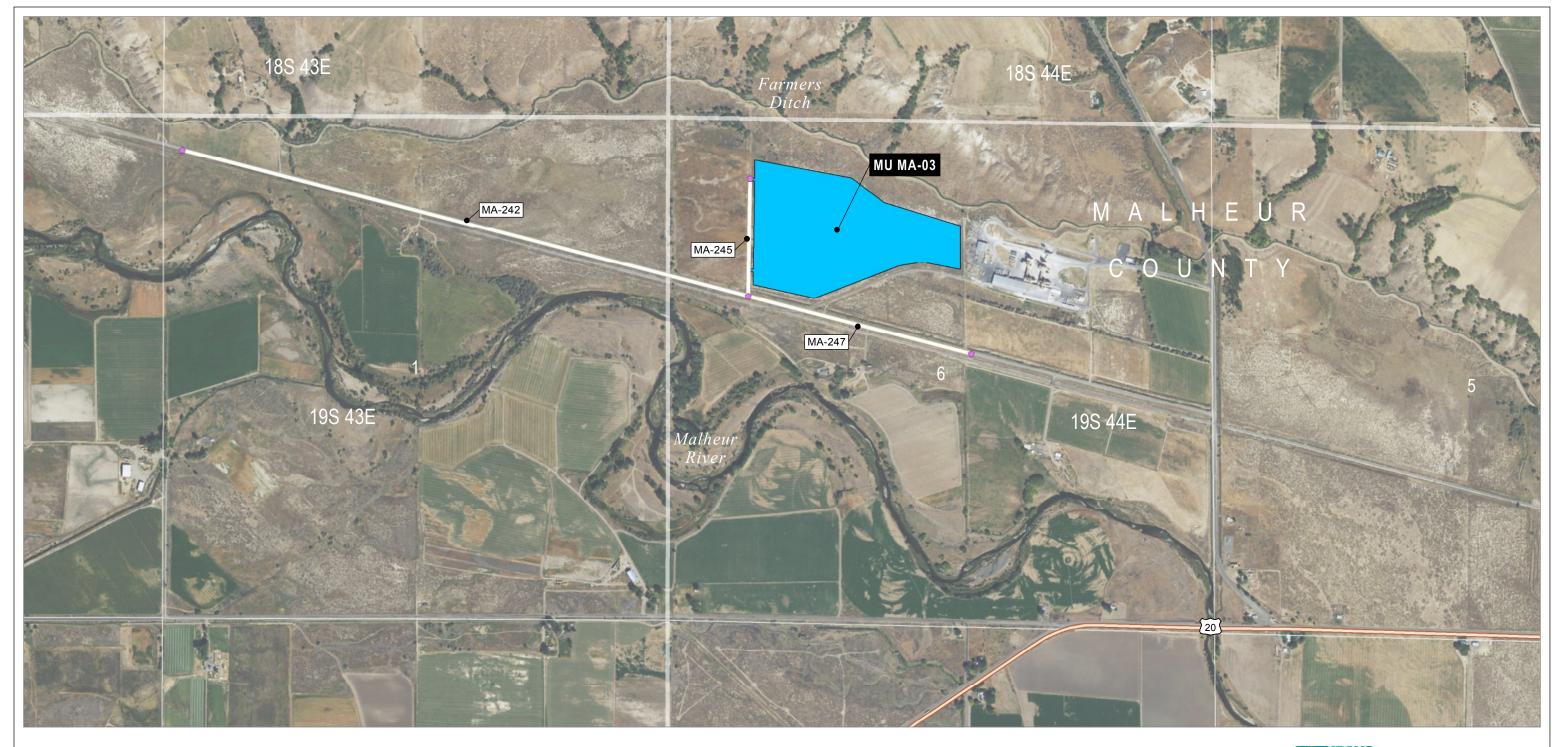
Private



Transmission Line Project

**Attachment B-5** Road Classification Guide and **Access Control Plan** Proposed Route

Malheur County





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Work Areas

Multi-Use Area

Access

Existing Road, No
Substantial Modification, 020% Improvements

Access Nodes

Land Status

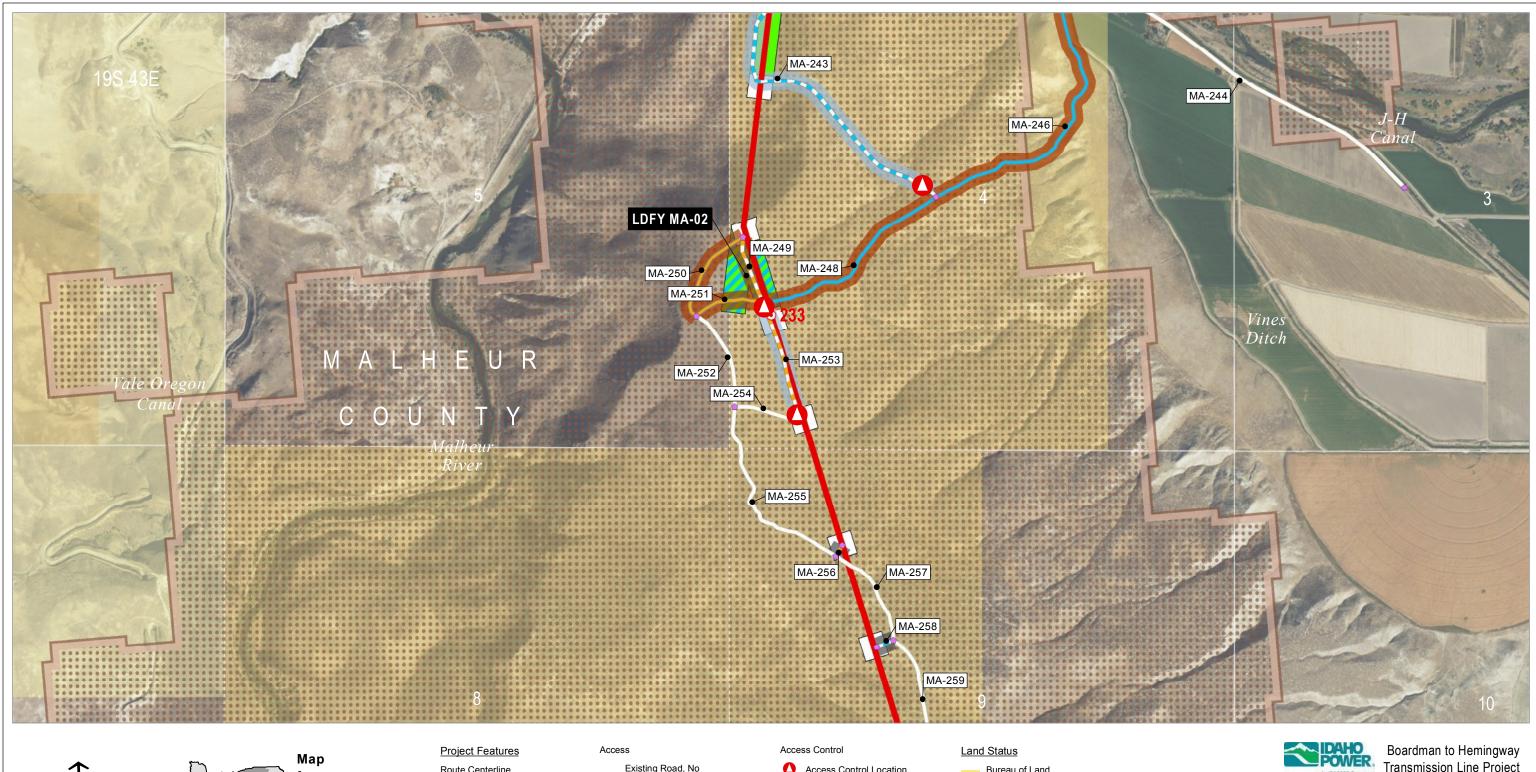
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Boardman to Hemingway Transmission Line Project

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County

November 2016 Map 155





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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

November 2016



Proposed Route

# Mileposts

Mile

# Work Areas

Light-Duty Fly Yard

Pulling and Tensioning

Structure Work Area

Existing Road, No Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 21-70% Improvements

Existing Road, Substantial Modification, 71-100% Improvements

New Road, Bladed New Road, Primitive

Access Nodes

Access Control Location

Access Indirect Impact Calculations

Access Controlled, Not Included in Indirect Impact Calculations

Included in Indirect Impact

Not Included in Indirect Impact Calculations

# Wildlife Habitat

Sage-grouse Low Density & General Habitat

Bureau of Land Management

Bureau of Reclamation

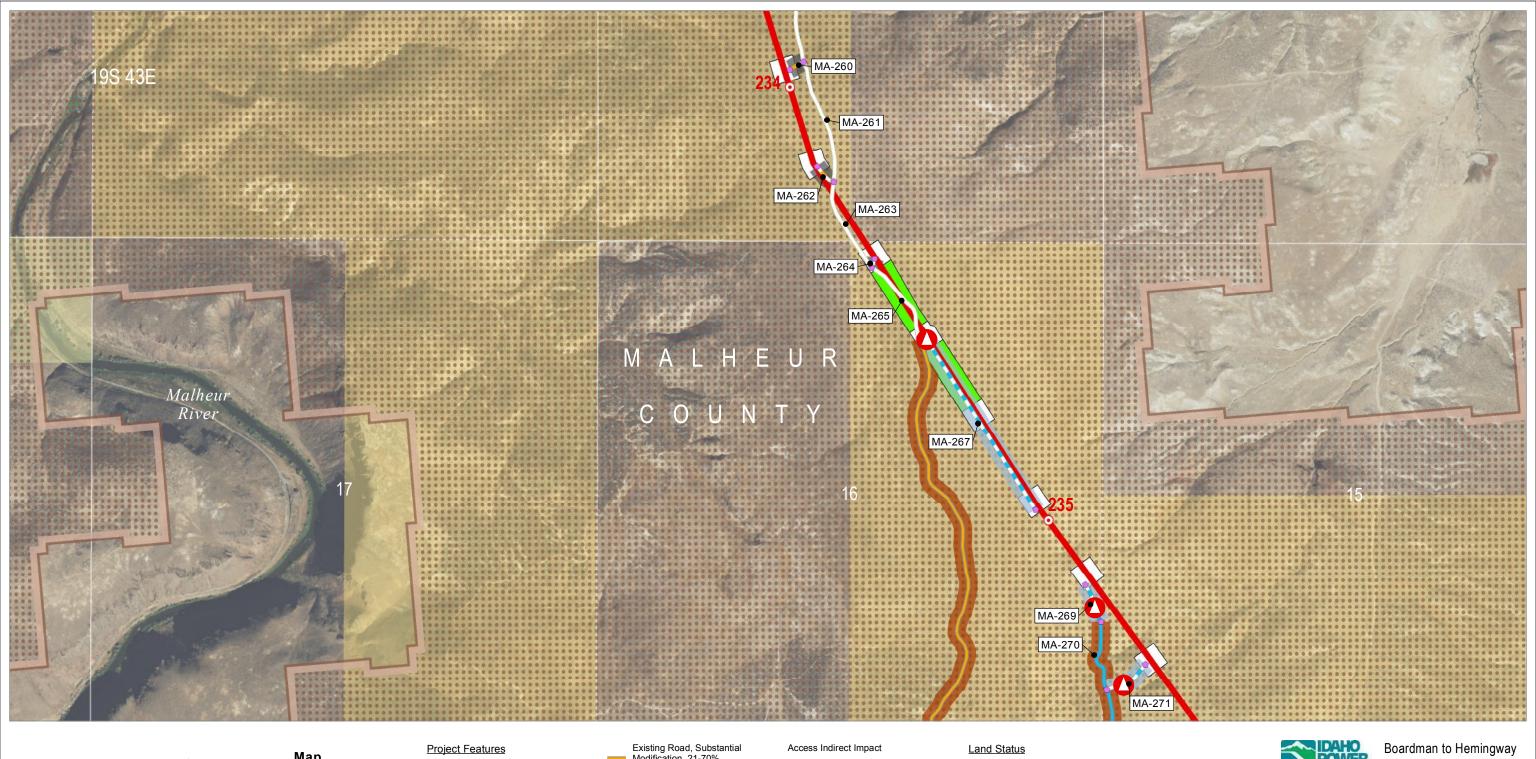
\_\_\_\_ Private



Transmission Line Project

# **Attachment B-5 Road Classification Guide and Access Control Plan**

Proposed Route Malheur County





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Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 21-70% Improvements

Existing Road, Substantial Modification, 71-100% Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Access Control

⚠ Access Control Location

Included in Indirect Impact Calculations

Access Controlled, Not Included in Indirect Impact Calculations

Not Included in Indirect Impact Calculations

## Wildlife Habitat

Sage-grouse Low Density & General Habitat

Bureau of Land Management

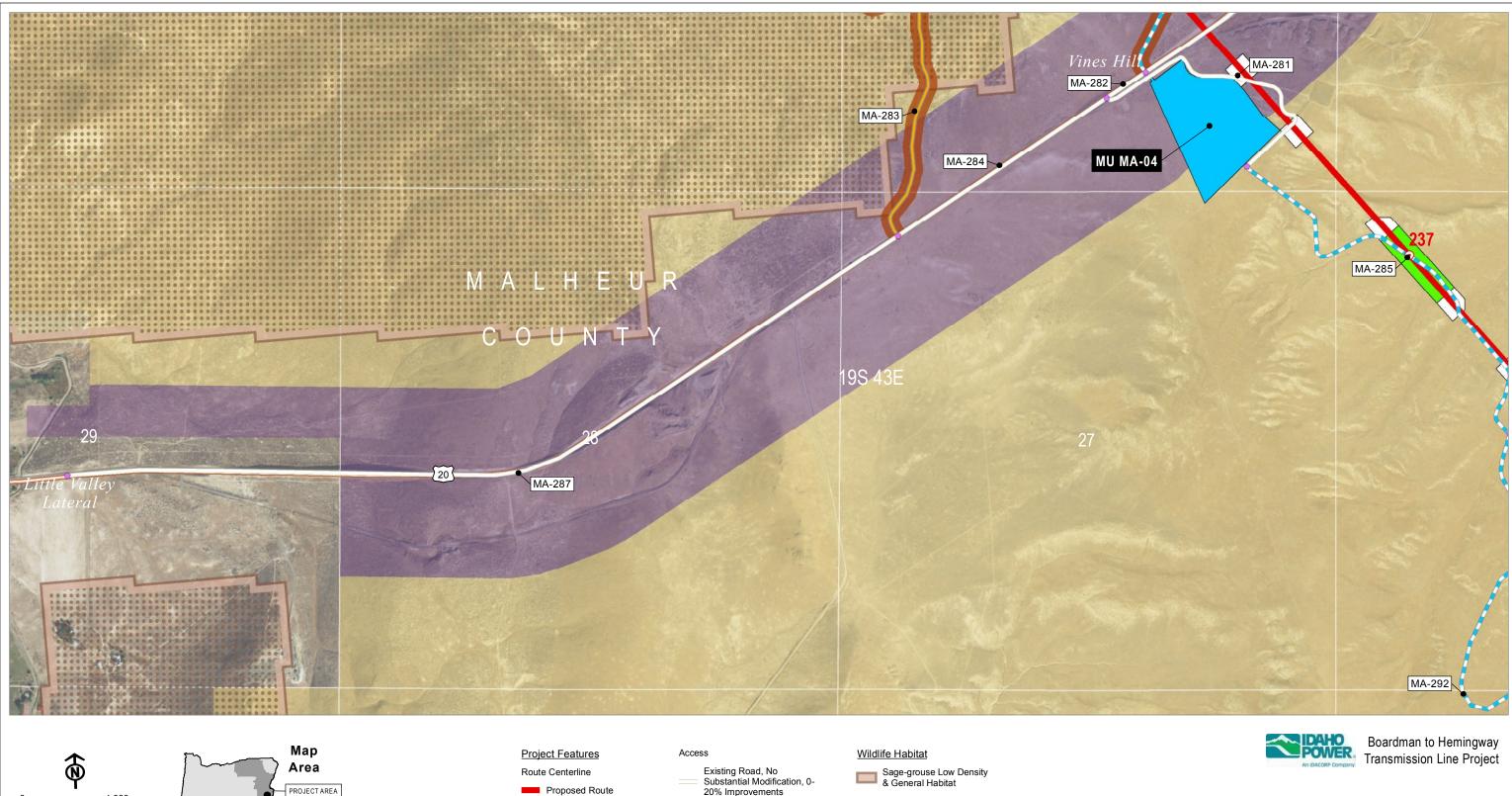
Bureau of Reclamation

Private



Transmission Line Project

**Attachment B-5 Road Classification Guide and Access Control Plan** Proposed Route Malheur County





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Pulling and Tensioning Structure Work Area

Multi-Use Area

Mileposts

Mile

Work Areas

20% Improvements

Existing Road, Substantial Modification, 21-70% Improvements

New Road, Bladed

Access Nodes Access Indirect Impact

Included in Indirect Impact Calculations

### **Land Status**

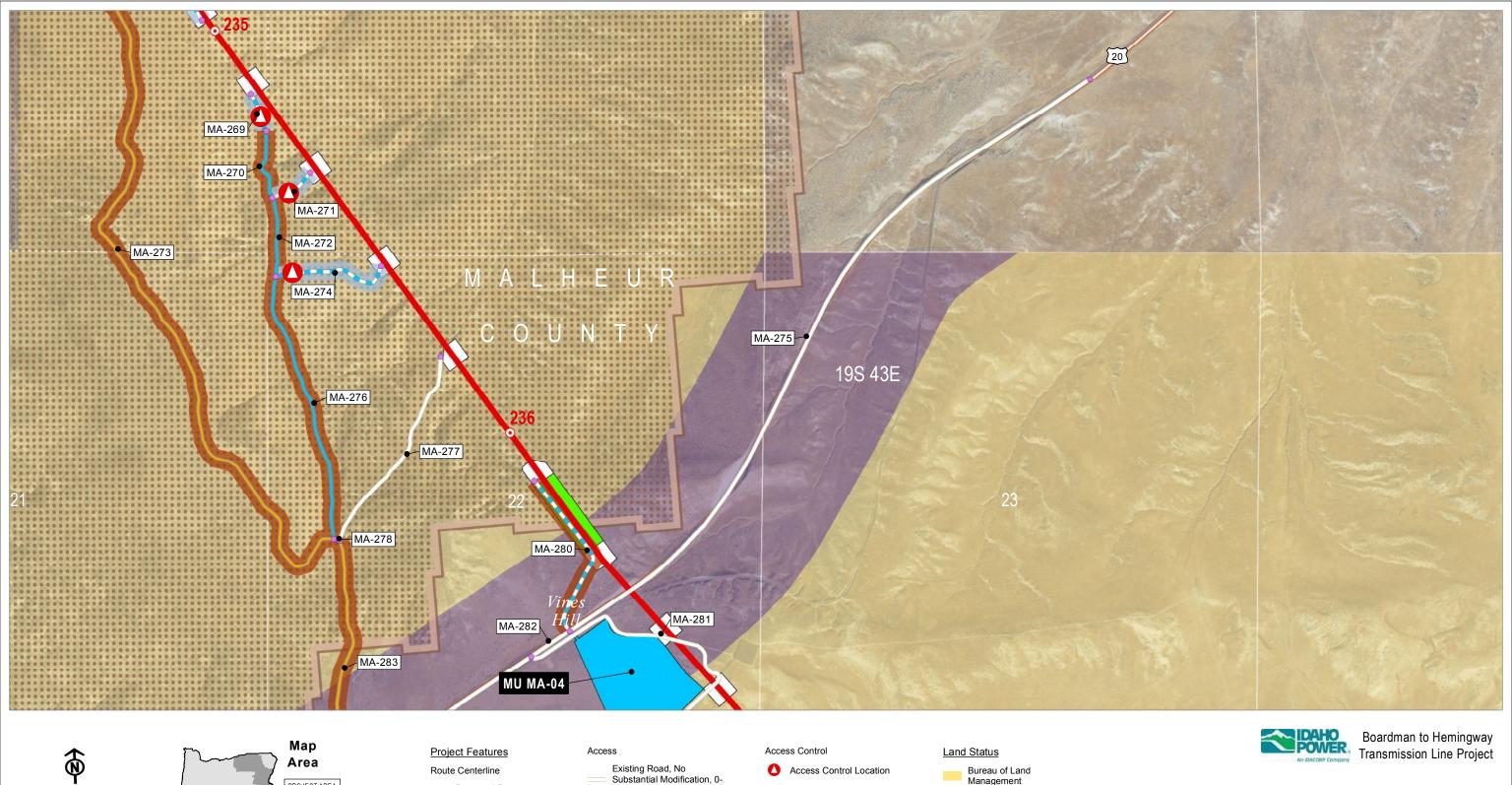
Bureau of Land Management

Bureau of Reclamation

Private

**Attachment B-5 Road Classification Guide and Access Control Plan Proposed Route** Malheur County

Map 158





 $Z: \label{lem:lemingway} Is a large of the large of the$ ASC\Exhibits\B\_Project Information\Maps\Attachment B-5 Roads\Attachment B-5 ApASC.mxd Proposed Route

Mileposts Mile Work Areas

Multi-Use Area Pulling and Tensioning

Structure Work Area

New Road, Bladed Access Nodes

20% Improvements

Existing Road, Substantial Modification, 21-70%

Existing Road, Substantial

Modification, 71-100%

Improvements

Improvements

Access Control Location Access Indirect Impact

Included in Indirect Impact Calculations

Access Controlled, Not Included in Indirect Impact Calculations

Wildlife Habitat

Sage-grouse Low Density & General Habitat

Bureau of Land Management

\_\_\_\_ Private

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Malheur County

Map 159





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Access

Existing Road, No

Substantial Modification, 020% Improvements

Access Nodes

Land Status

Bureau of Land Management

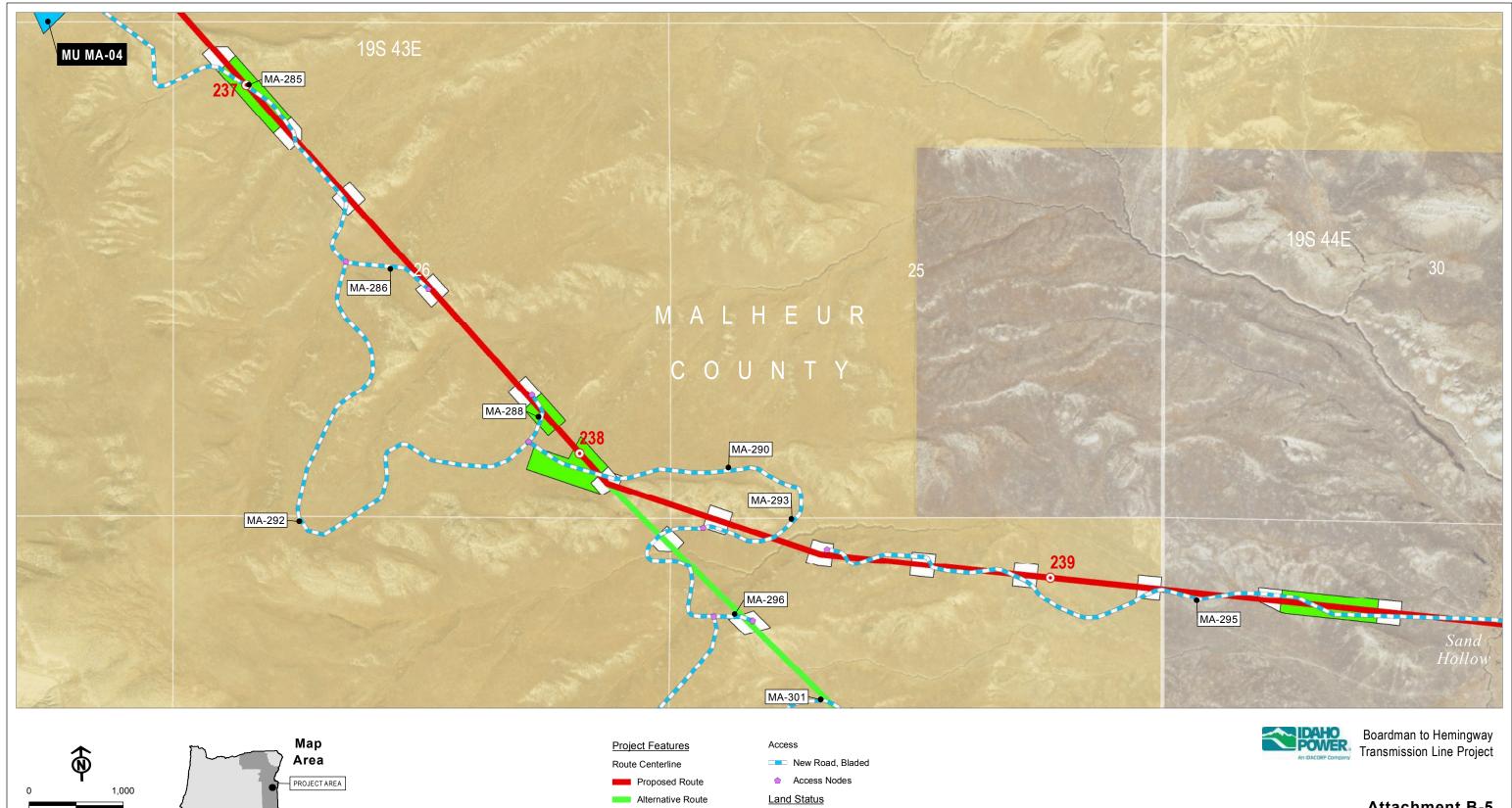
Private

POWER.

Boardman to Hemingway Transmission Line Project

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County

Map 160



Bureau of Land

Management

Private

Mileposts

Mile

Work Areas

Multi-Use Area

Pulling and Tensioning

Structure Work Area

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

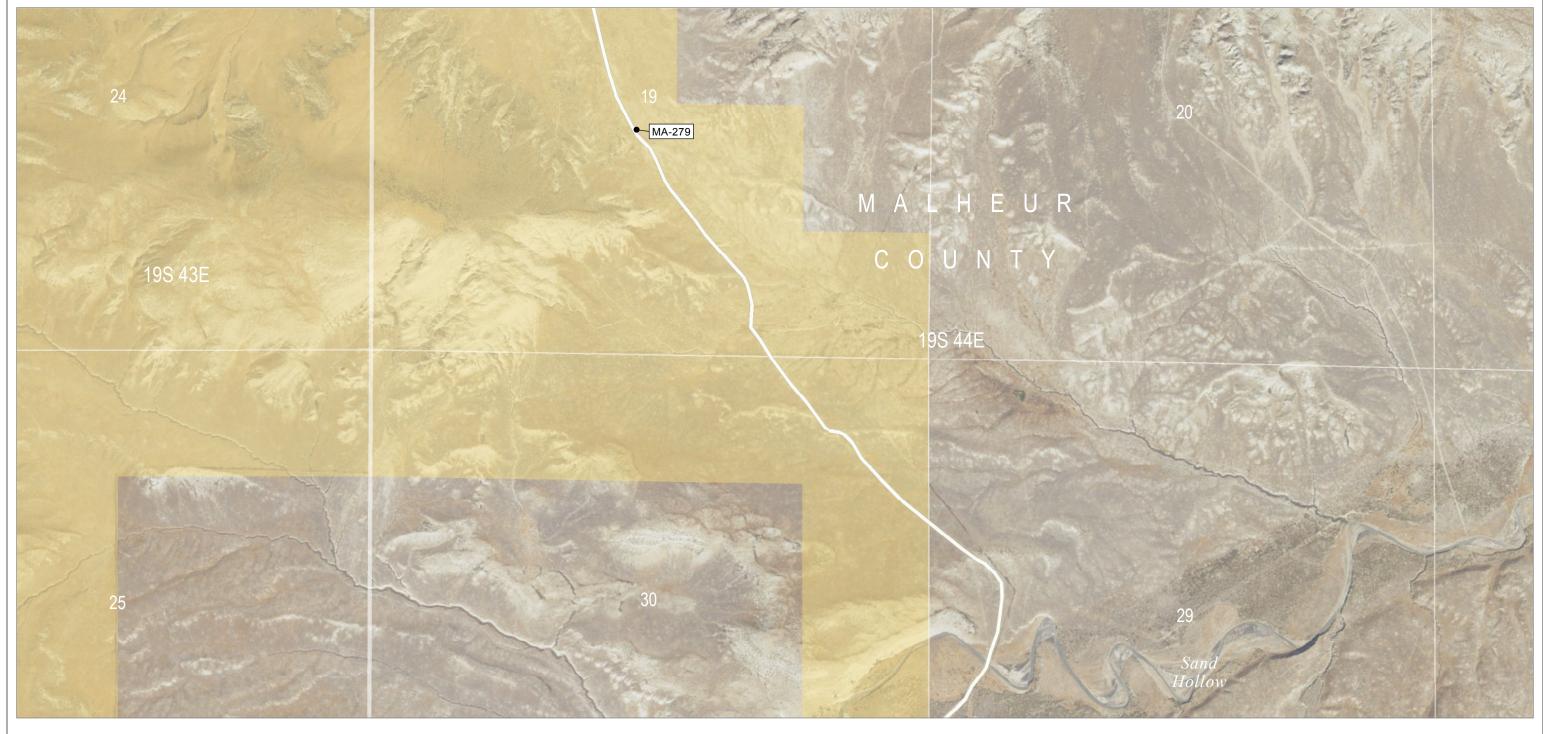
Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route and Double Mountain Alternative
Malheur County





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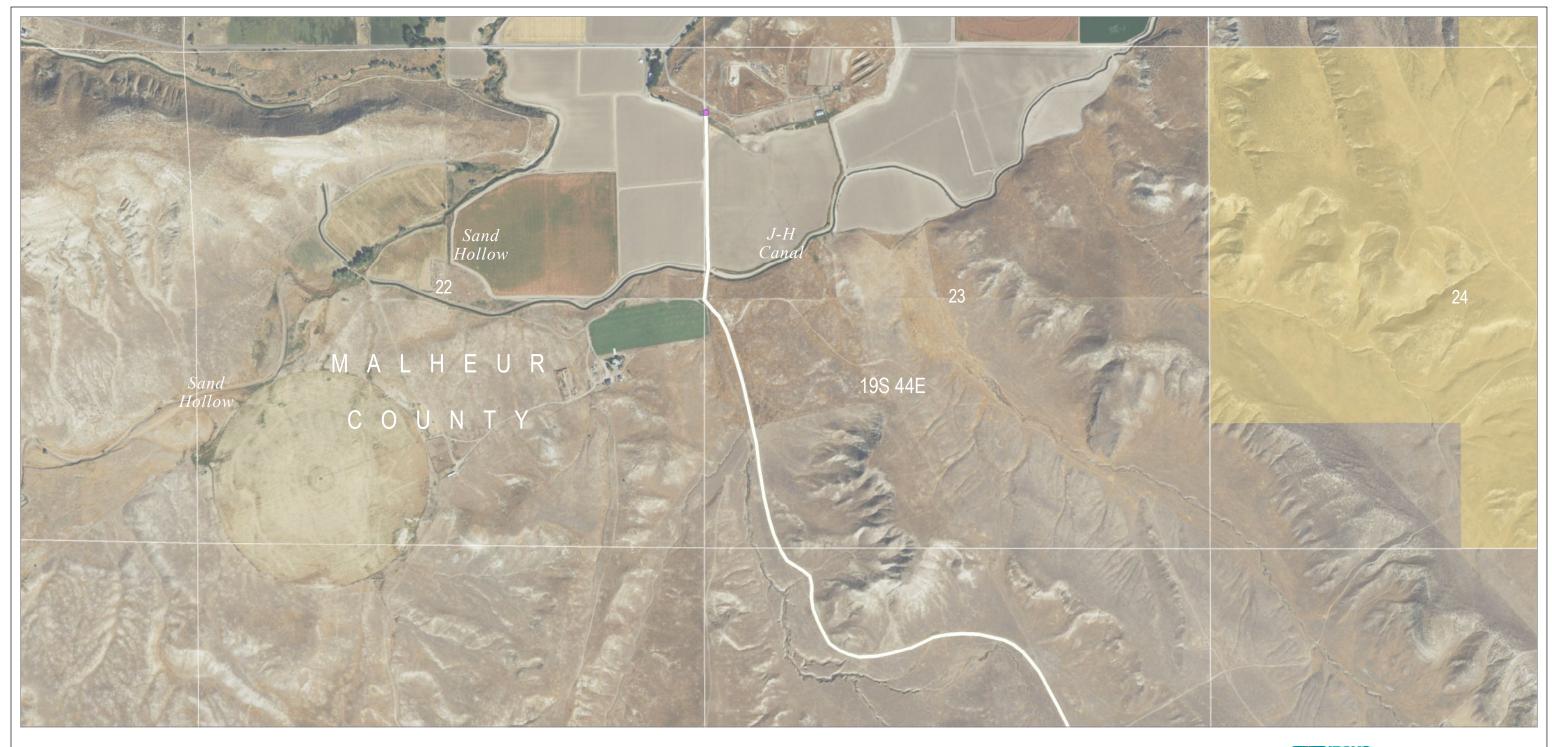




Boardman to Hemingway Transmission Line Project

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County

November 2016





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### Access

Existing Road, No

Substantial Modification, 020% Improvements

Access Nodes

### Land Status

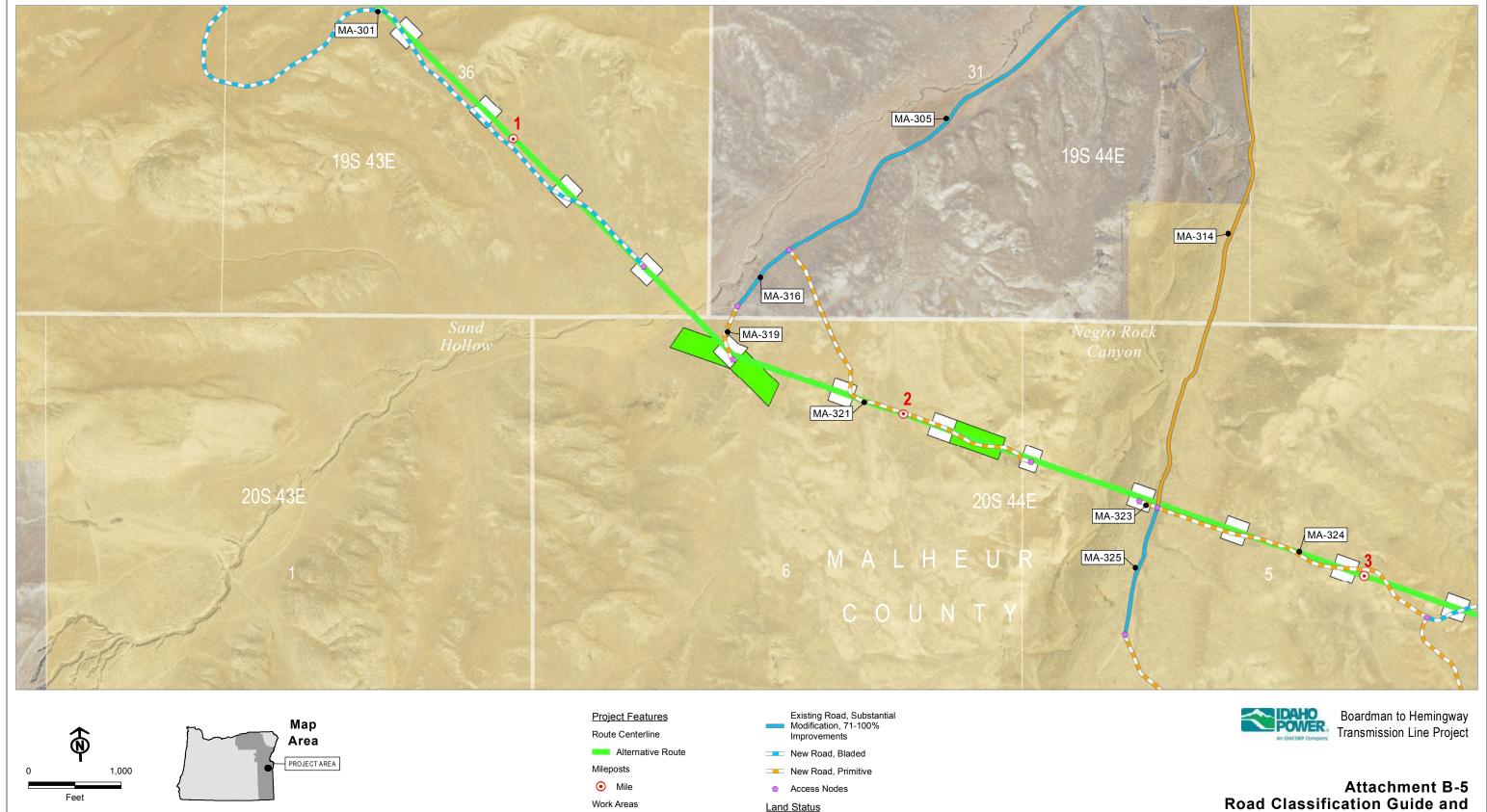
Bureau of Land Management

Private



Boardman to Hemingway Transmission Line Project

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County



Bureau of Land

Management

Private

Pulling and Tensioning

Existing Road, Substantial Modification, 21-70%

Structure Work Area

Improvements

Access

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

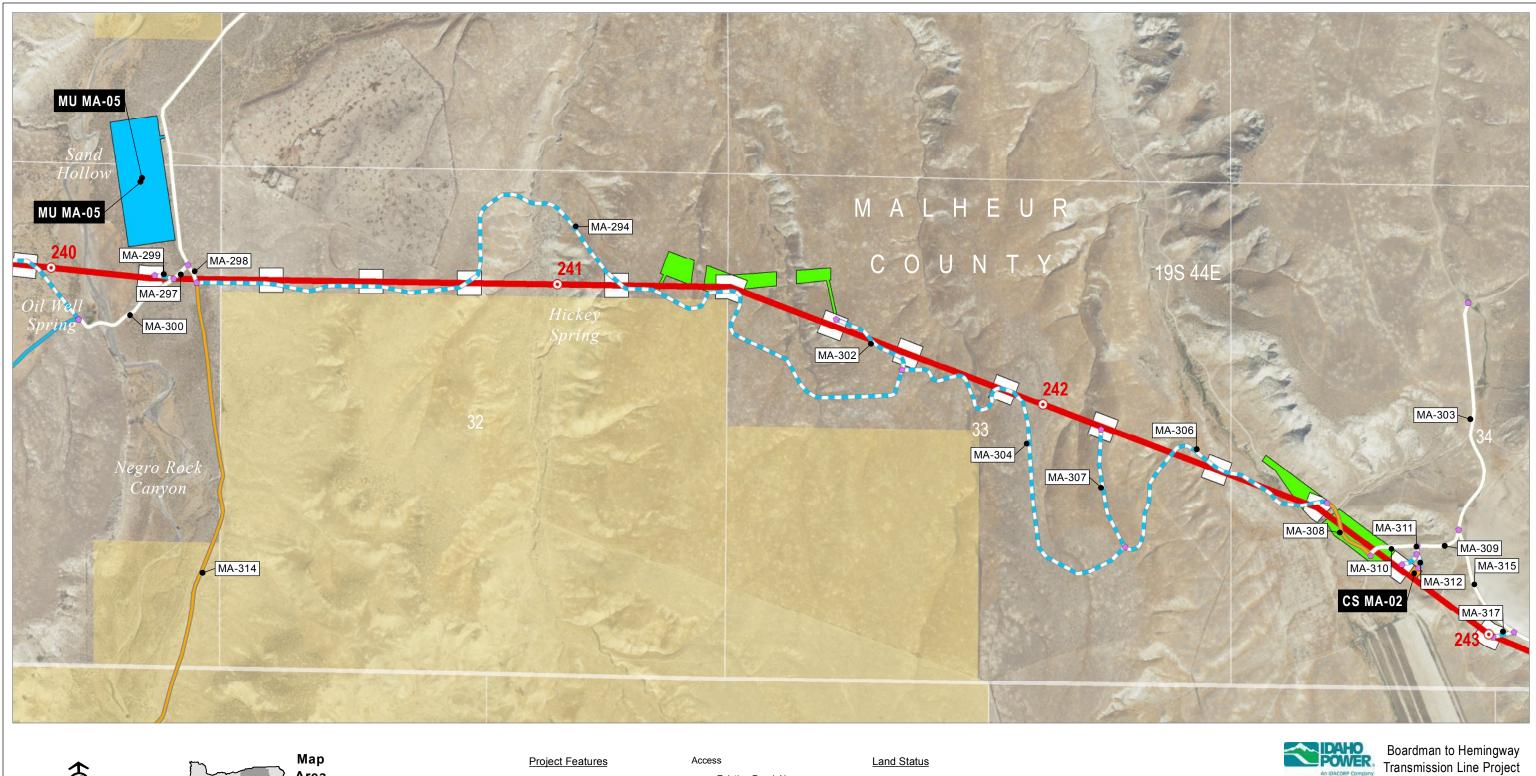
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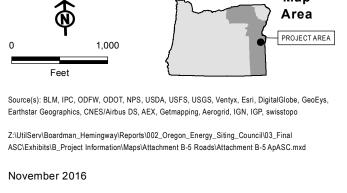
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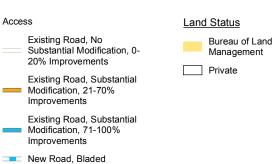
**Access Control Plan Double Mountain Alternative** 

Malheur County



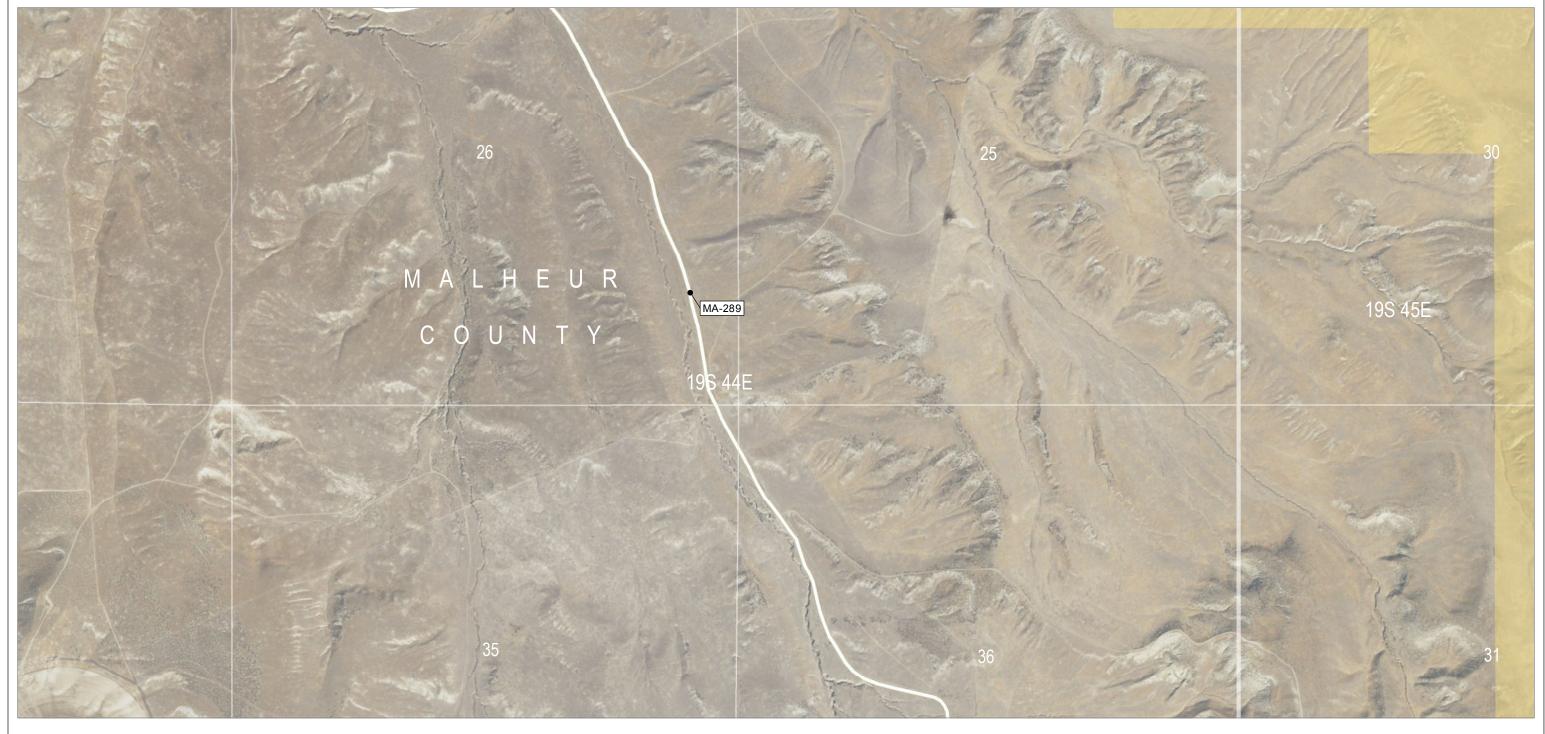






Access Nodes







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Access

Existing Road, No

Substantial Modification, 020% Improvements

Land Status

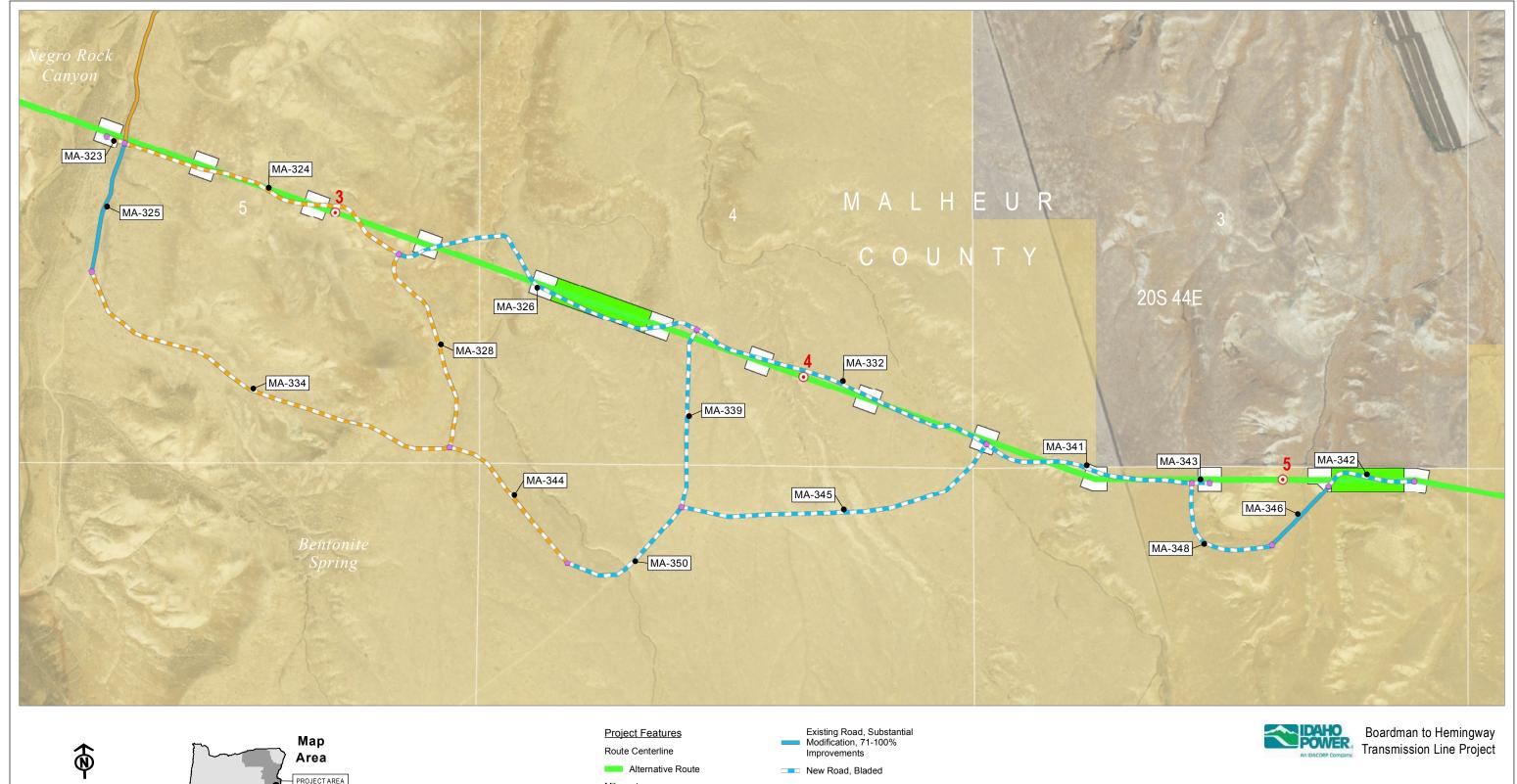
Bureau of Land Management

Private

POWER.

Boardman to Hemingway Transmission Line Project

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County





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Improvements

Attachment B-5 **Road Classification Guide and Access Control Plan Double Mountain Alternative** Malheur County





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November 2016

Proposed Route

Mileposts

Mile

Work Areas

Multi-Use Area

Pulling and Tensioning Structure Work Area

Existing Road, No Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 21-70% Improvements

New Road, Bladed

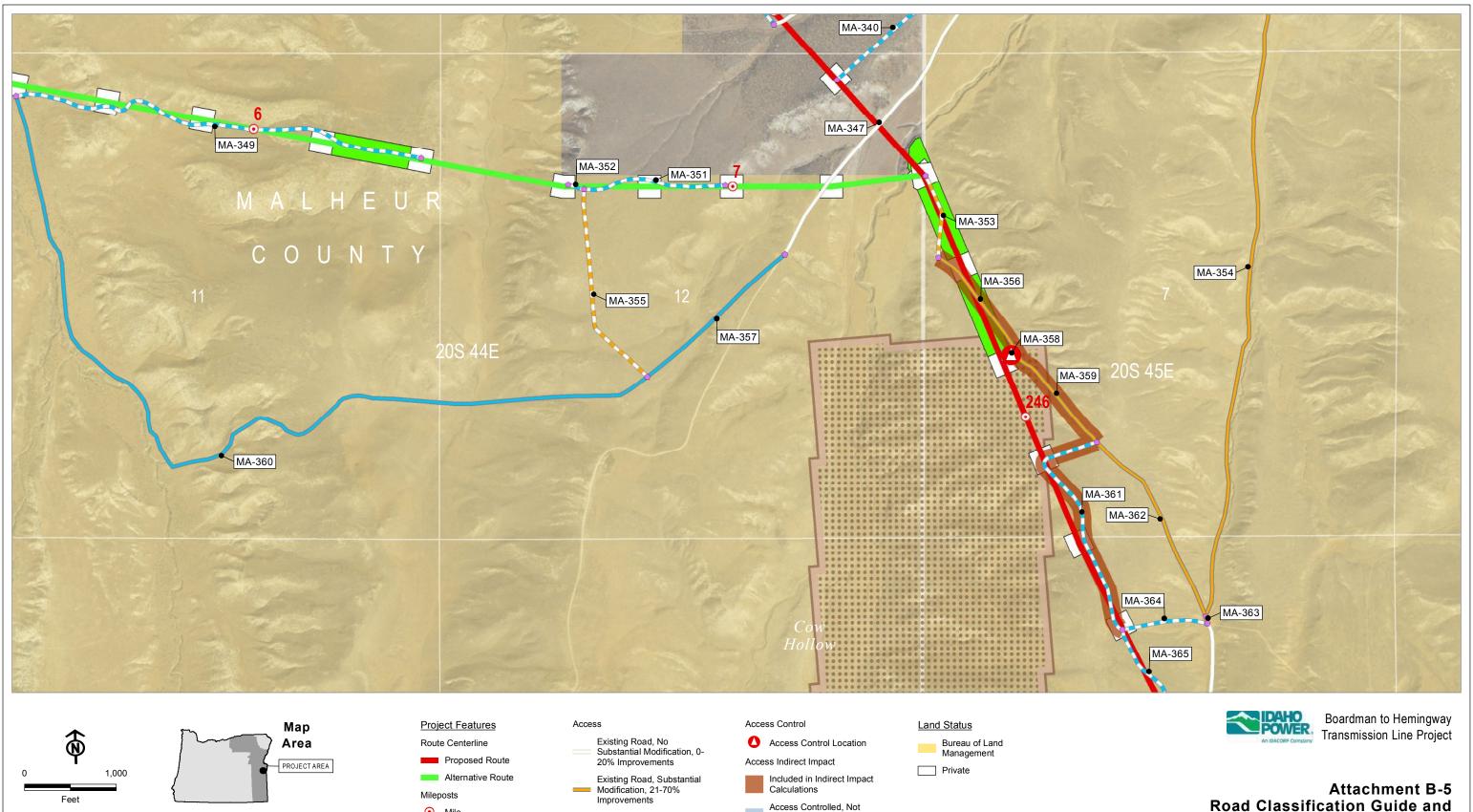
New Road, Primitive

Access Nodes

Land Status

Bureau of Land Management

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Malheur County



Included in Indirect Impact

Calculations

Sage-grouse Low Density & General Habitat

Wildlife Habitat

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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Mile Work Areas Pulling and Tensioning

Structure Work Area

Improvements

Existing Road, Substantial Modification, 71-100% Improvements

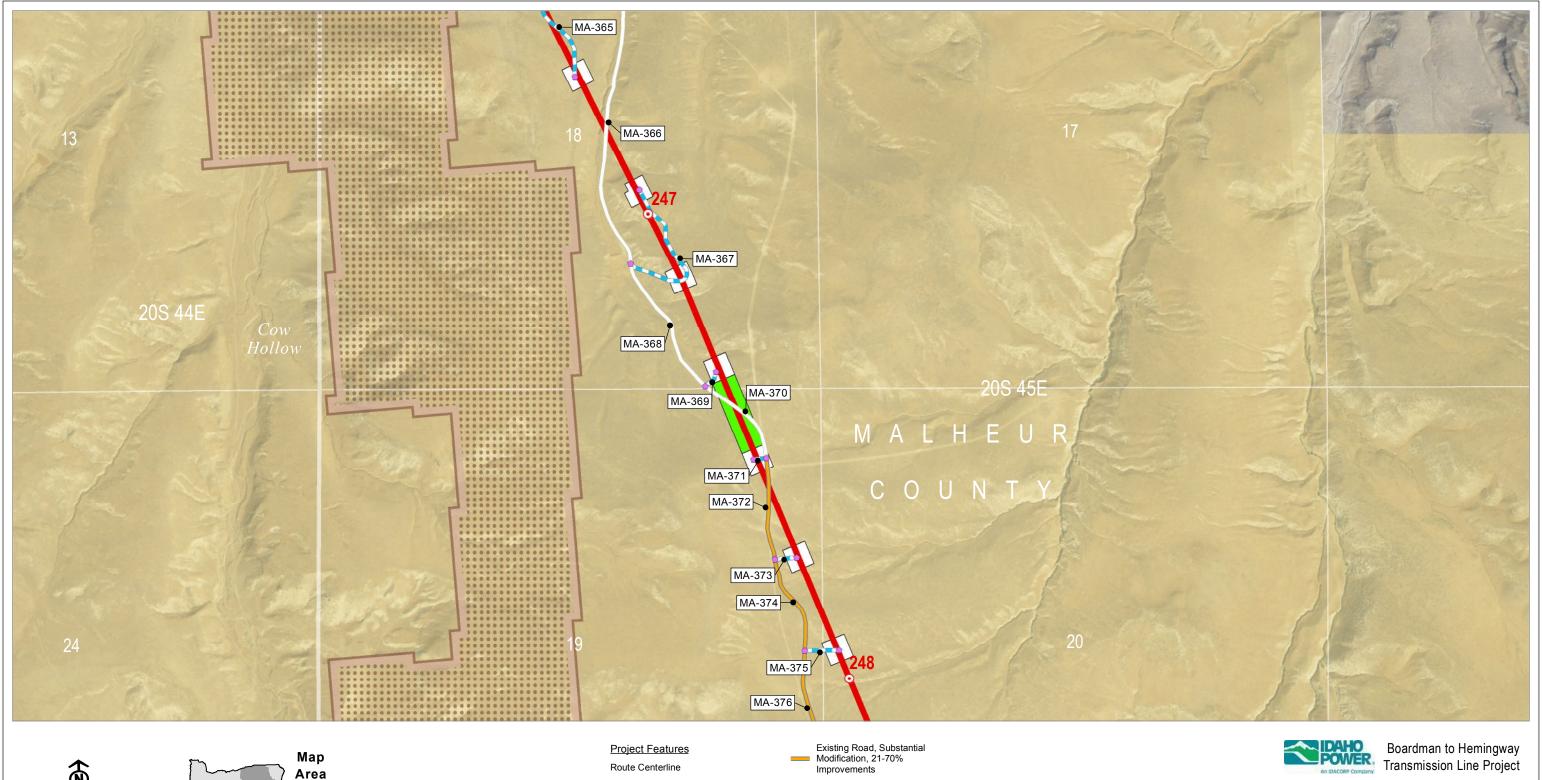
New Road, Bladed New Road, Primitive

Access Nodes

# **Road Classification Guide and Access Control Plan** Proposed Route and Double Mountain Alternative

Malheur County

November 2016



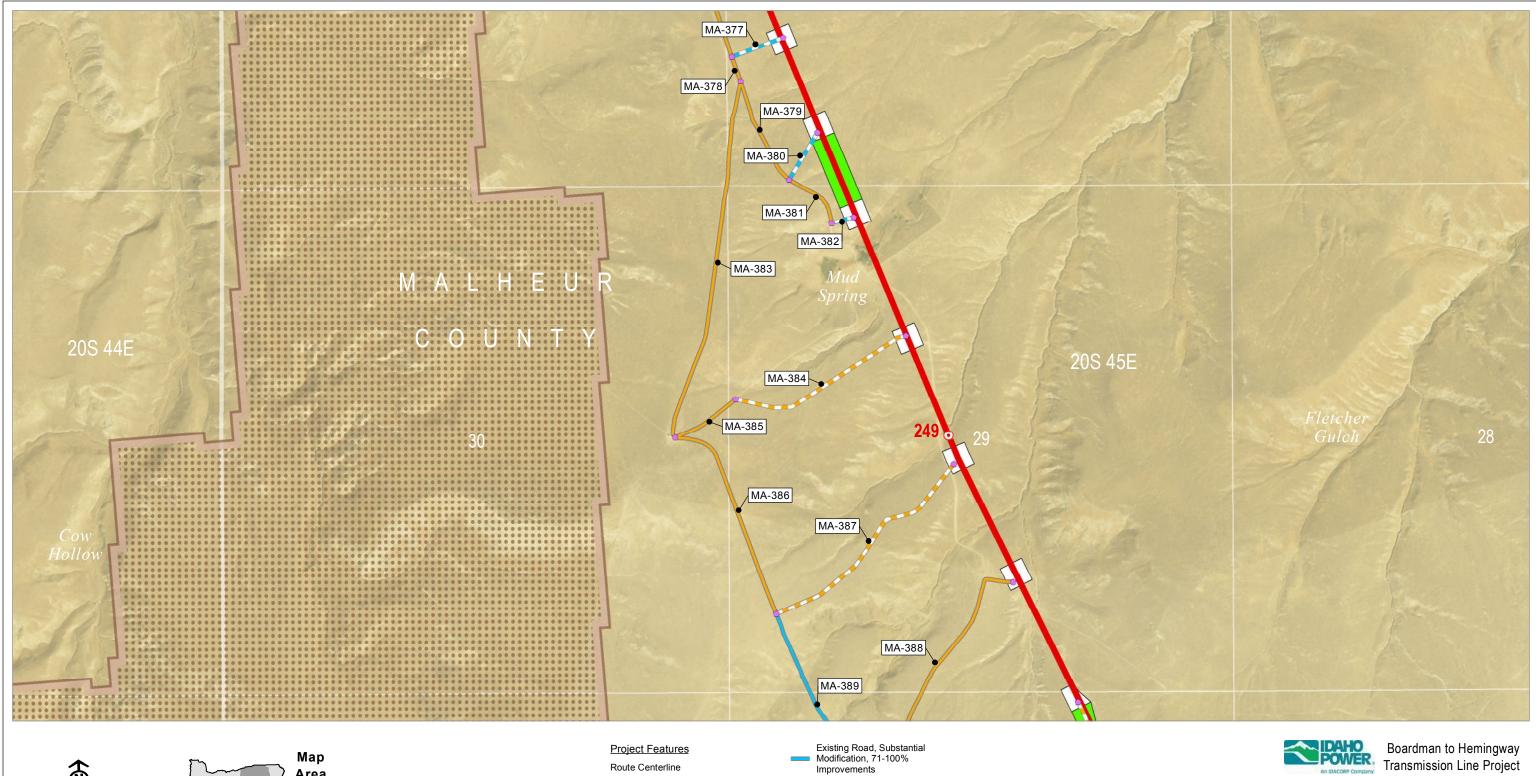


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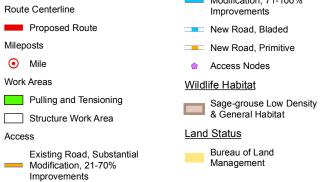
Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County



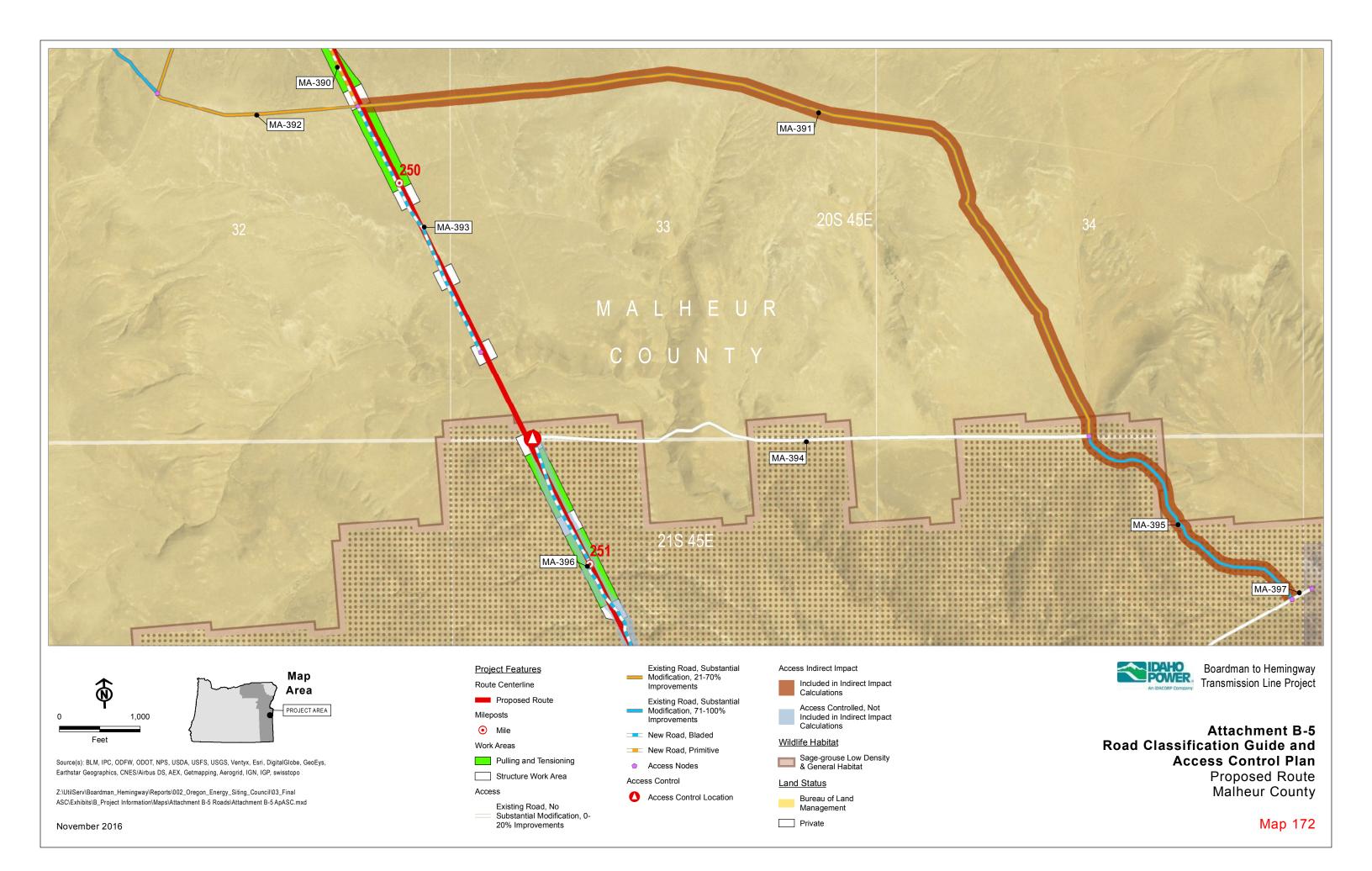


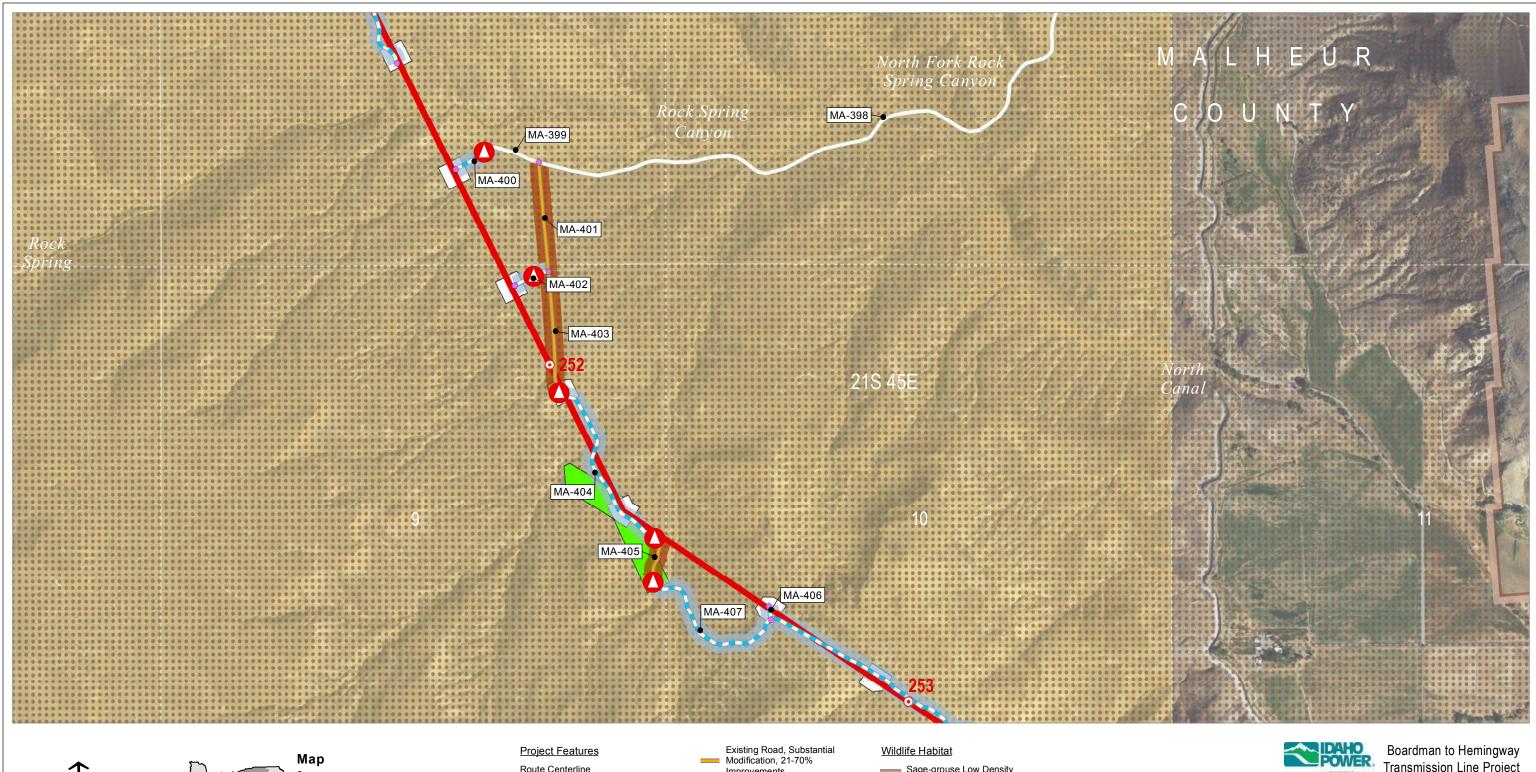
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Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County







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Existing Road, No Substantial Modification, 0-

20% Improvements

Structure Work Area

Access

Access Nodes Access Control Access Control Location Access Indirect Impact Included in Indirect Impact Calculations Access Controlled, Not Included in Indirect Impact Calculations

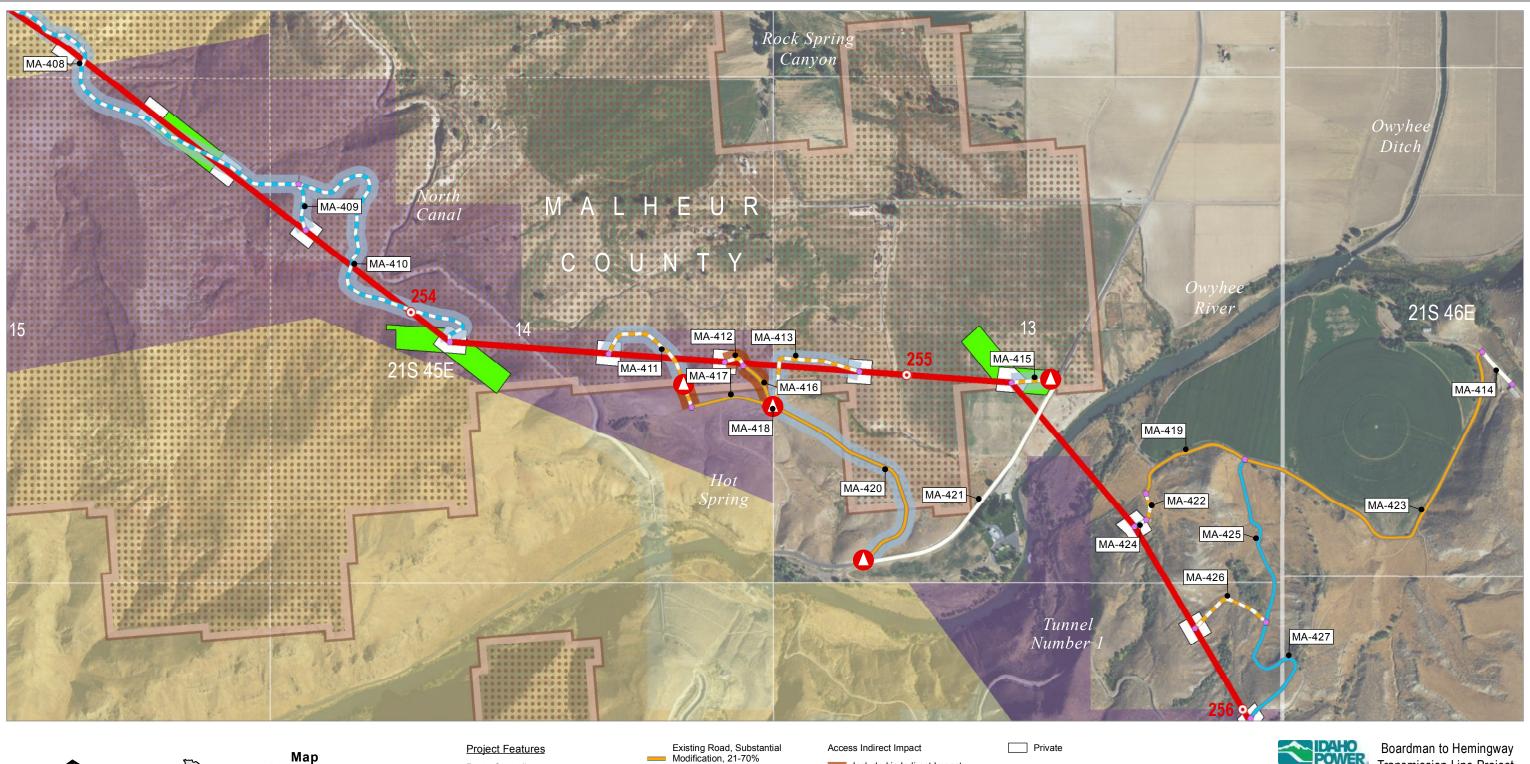
New Road, Bladed

Sage-grouse Low Density & General Habitat Land Status Bureau of Land Management Private



Transmission Line Project

**Attachment B-5 Road Classification Guide and Access Control Plan** Proposed Route Malheur County





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Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 71-100% Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Access Control

Access Control Location

Included in Indirect Impact Calculations

> Access Controlled, Not Included in Indirect Impact Calculations

### Wildlife Habitat

Sage-grouse Low Density & General Habitat

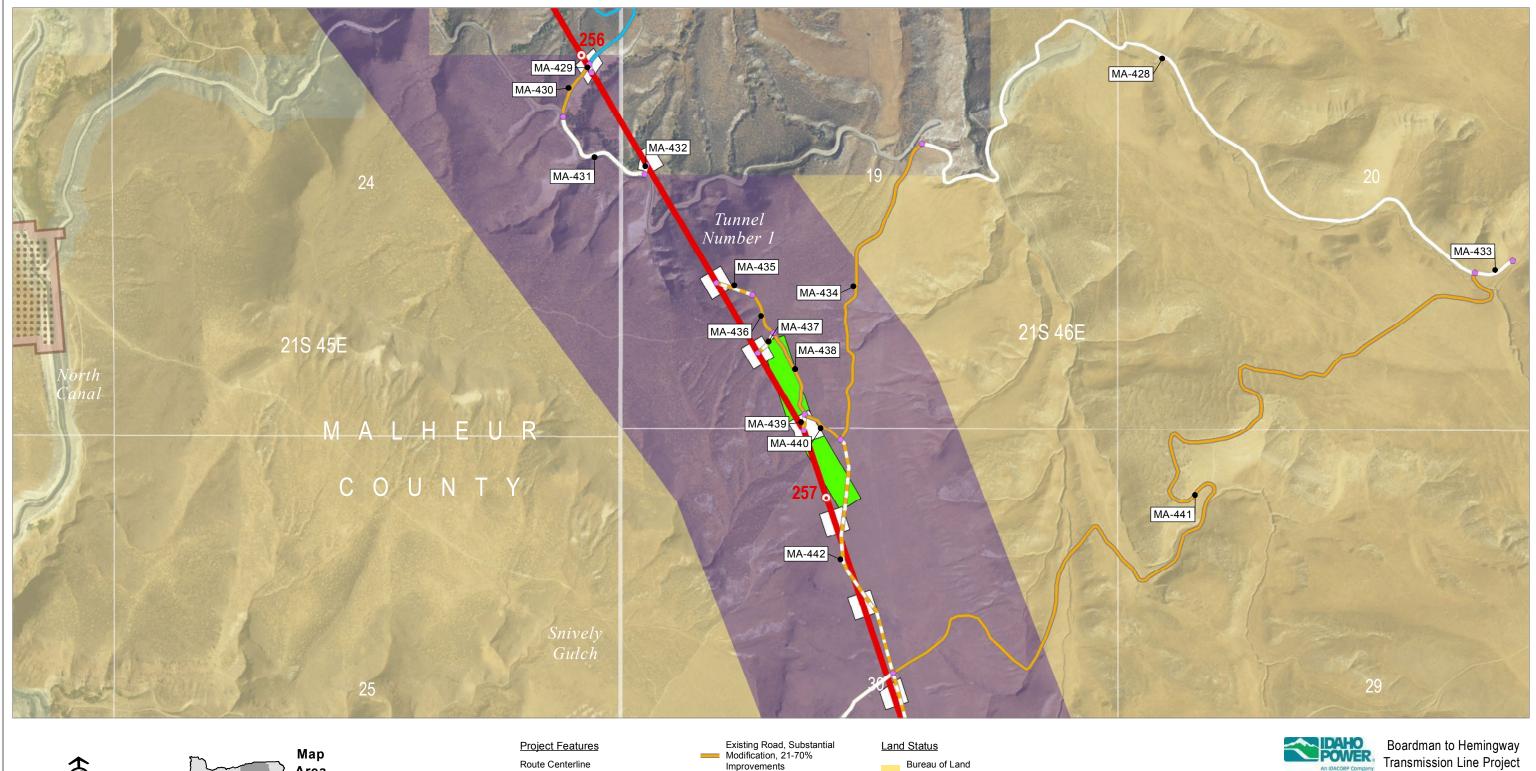
## **Land Status**

Bureau of Land Management

Bureau of Reclamation

Transmission Line Project

**Attachment B-5 Road Classification Guide and Access Control Plan** Proposed Route Malheur County





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November 2016

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No
Substantial Modification, 020% Improvements

Existing Road, Substantial
Modification, 71-100%
Improvements

New Road, Primitive

Access Nodes

Wildlife Habitat

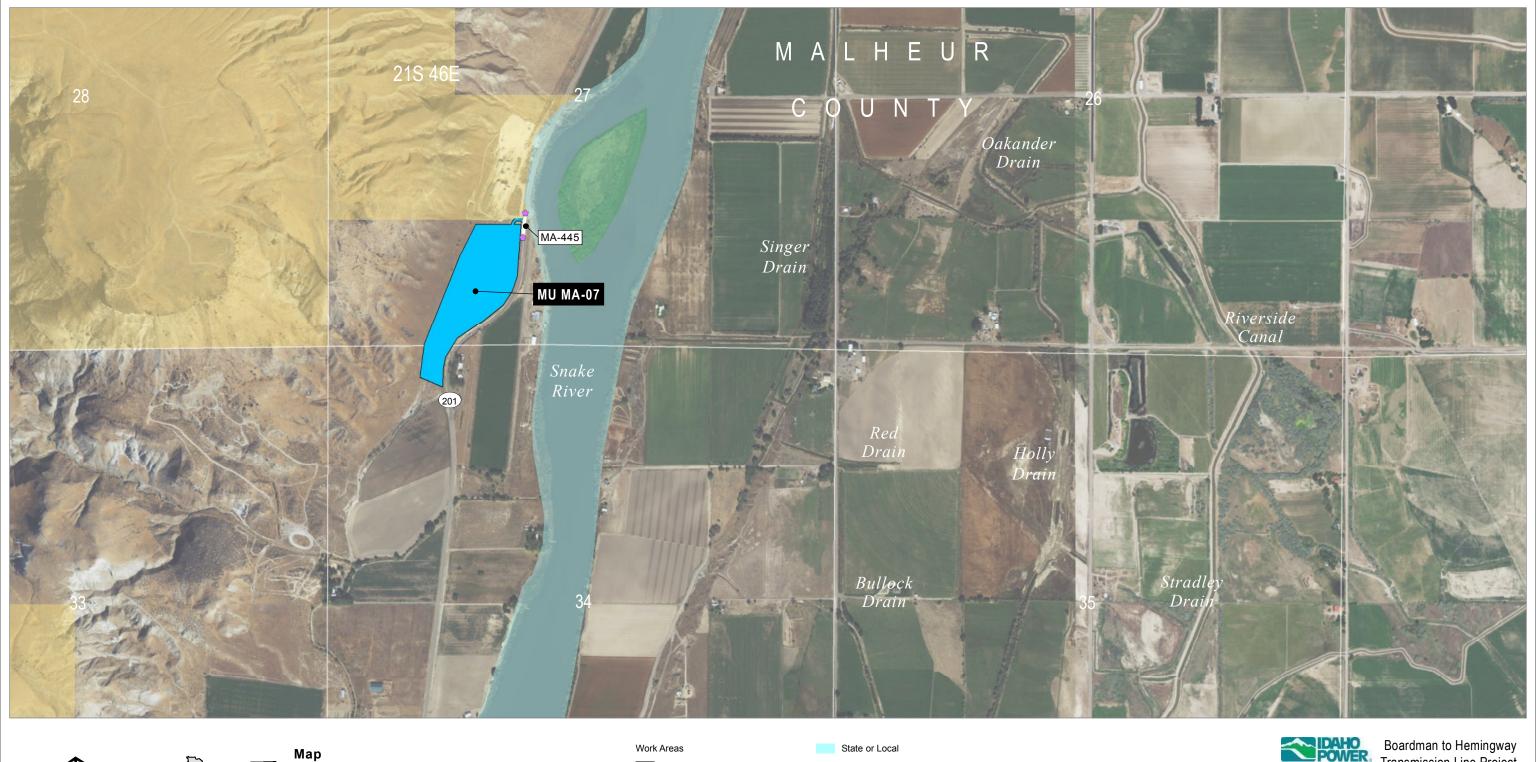
Sage-grouse Low Density & General Habitat



Bureau of Reclamation

Private

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County





Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

 $Z: \verb|VtilServ| Boardman\_Hemingway| Reports \verb|V002\_Oregon\_Energy\_Siting\_Council| \verb|V03\_Final| | Council| Counc$ ASC\Exhibits\B\_Project Information\Maps\Attachment B-5 Roads\Attachment B-5 ApASC.mxd

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

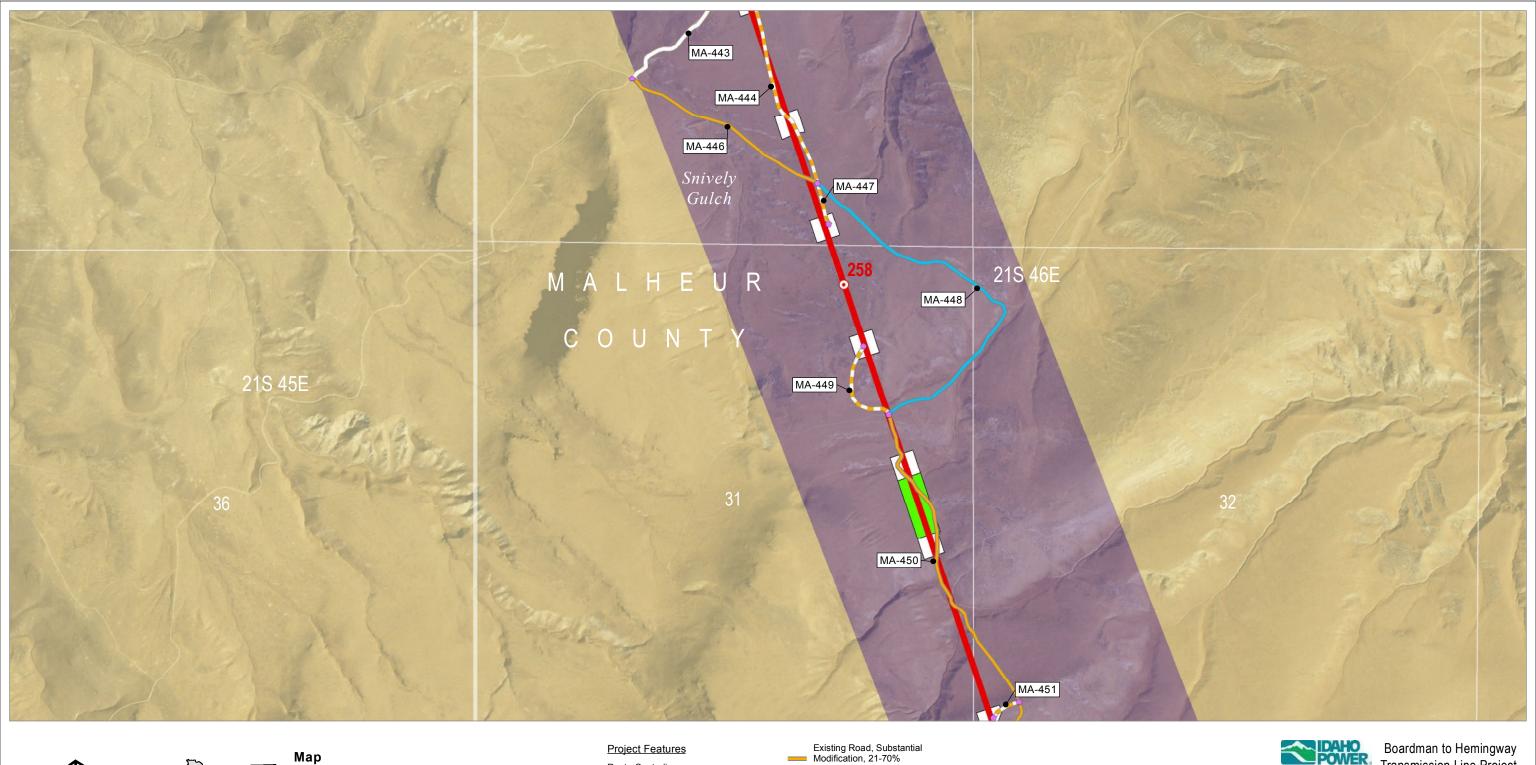
Existing Road, No Substantial Modification, 0-20% Improvements Access Nodes Land Status Bureau of Land Management National Wildlife Refuge Private

Multi-Use Area

Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Malheur County

Map 176





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Route Centerline

Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, No Substantial Modification, 0-20% Improvements

Improvements

Existing Road, Substantial Modification, 71-100% Improvements

New Road, Primitive

Access Nodes

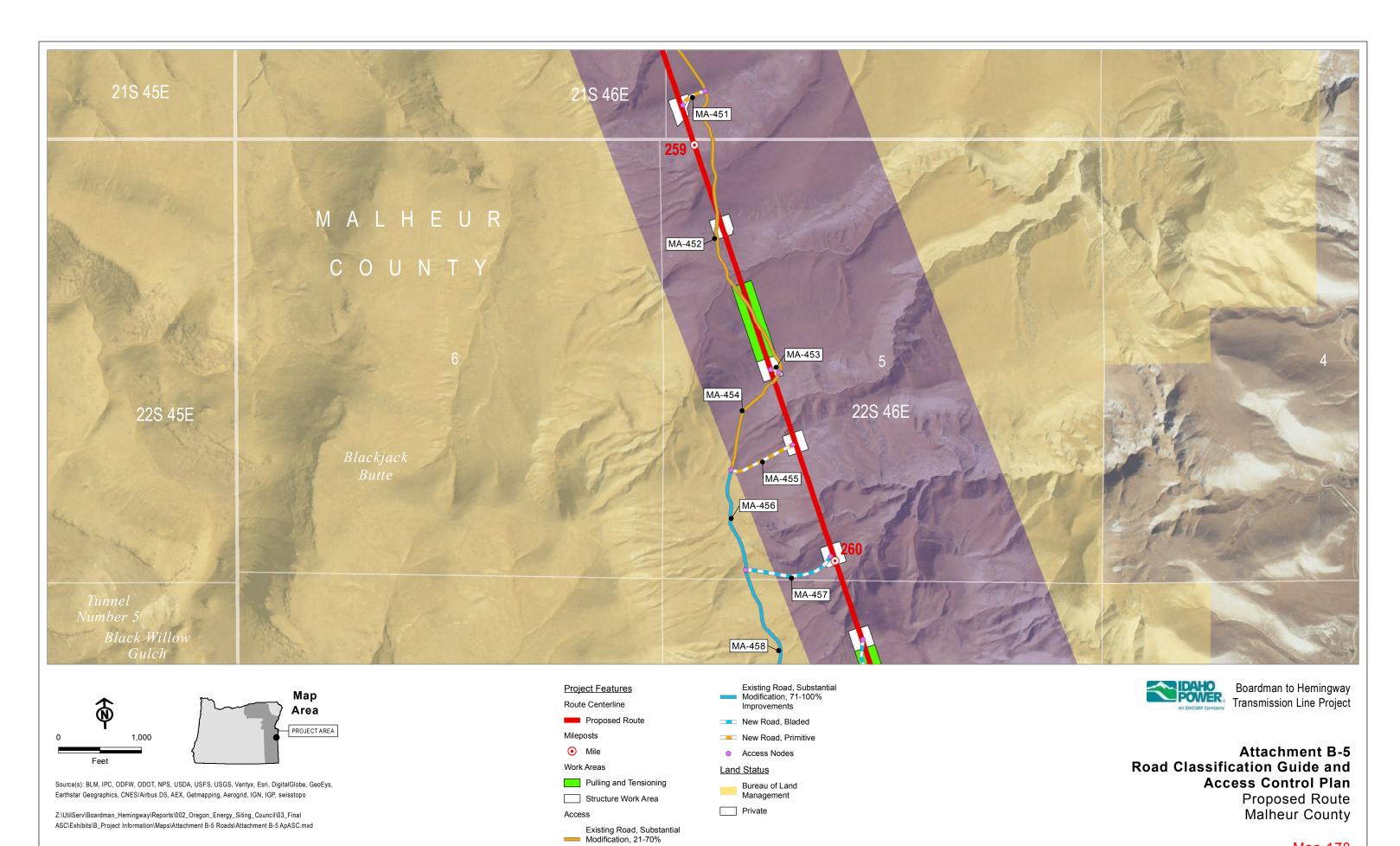
Land Status

Bureau of Land Management



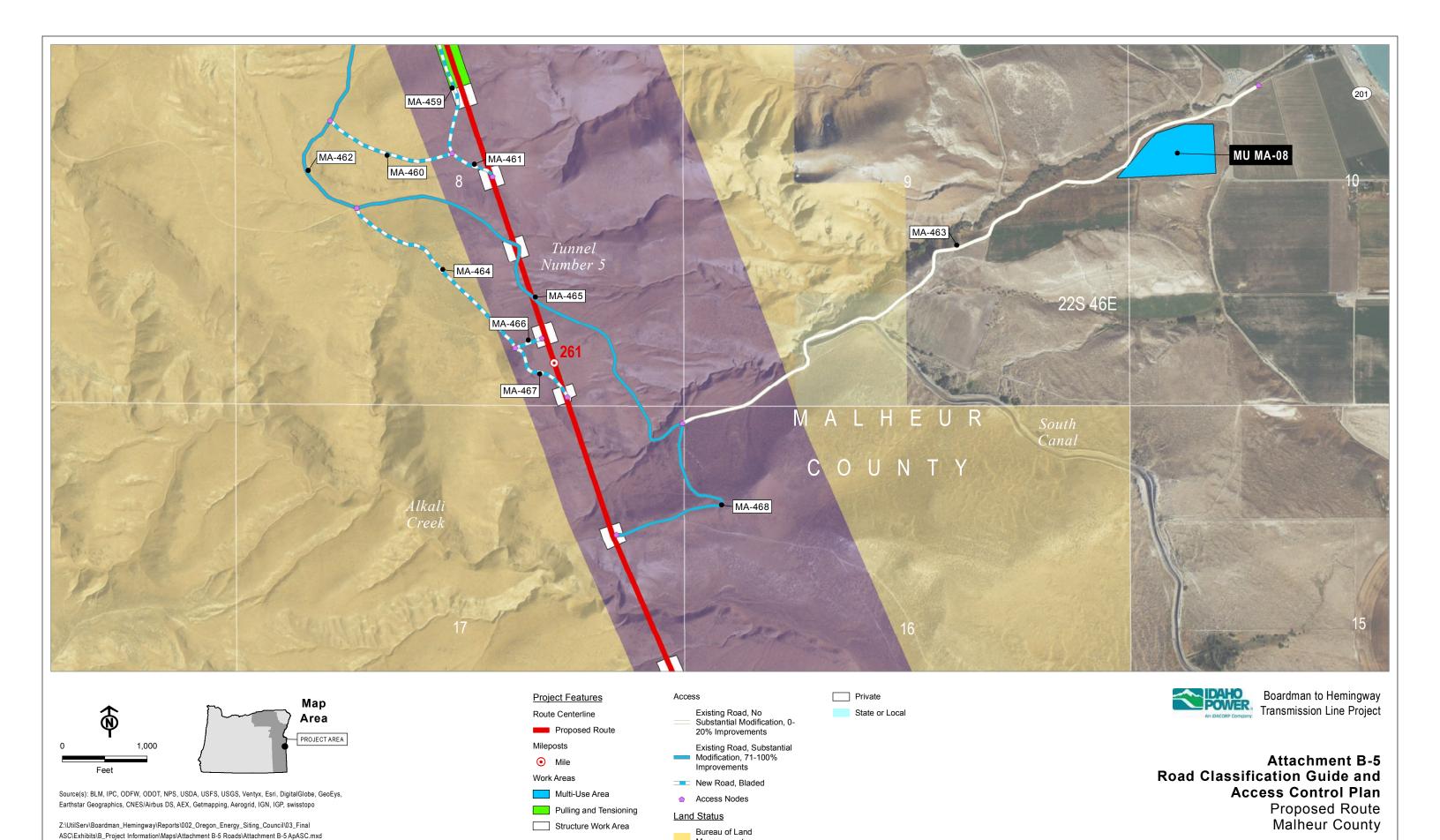
Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Malheur County



Improvements

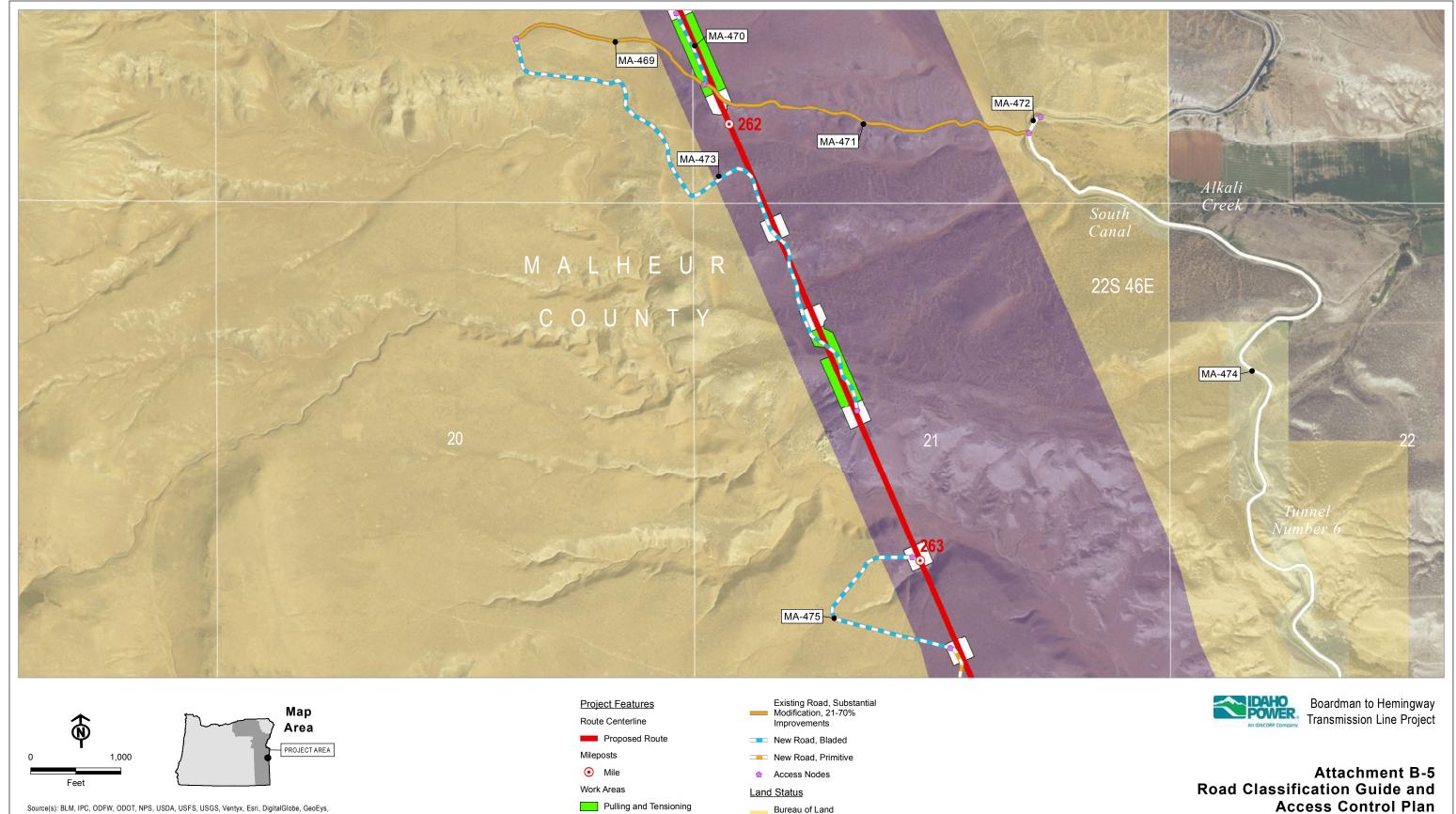
November 2016



Management

November 2016

Bureau of Reclamation



Management

Private

Bureau of Reclamation

Structure Work Area

Existing Road, No Substantial Modification, 0-

20% Improvements

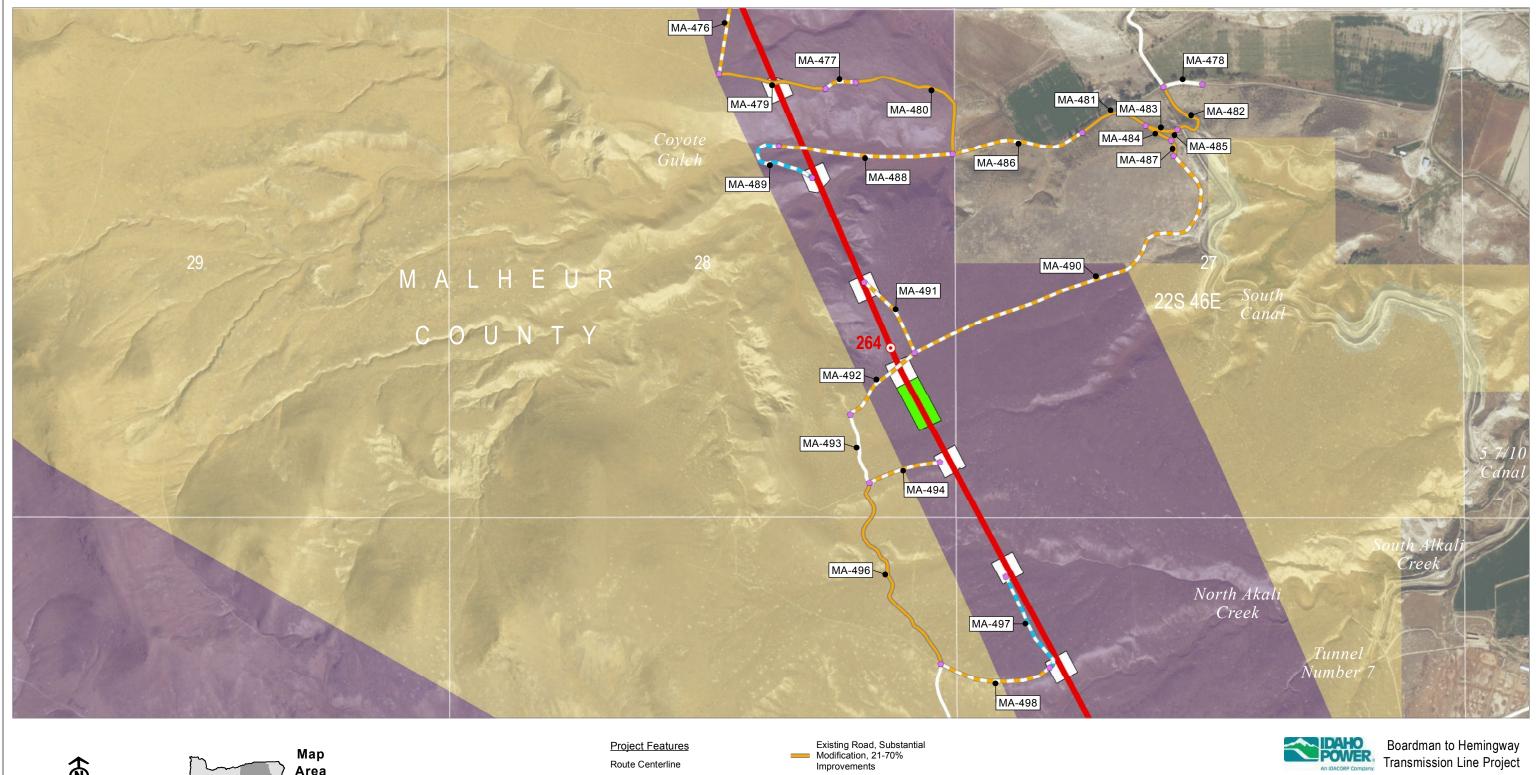
Access

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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November 2016

Access Control Plan
Proposed Route
Malheur County





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20% Improvements

Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County





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November 2016



Route Centerline

Proposed Route

Work Areas

Structure Work Area

### Access

Existing Road, No Substantial Modification, 0-20% Improvements

Existing Road, Substantial Modification, 21-70%

New Road, Bladed

Improvements

New Road, Primitive

Access Nodes

# Land Status

Bureau of Land Management

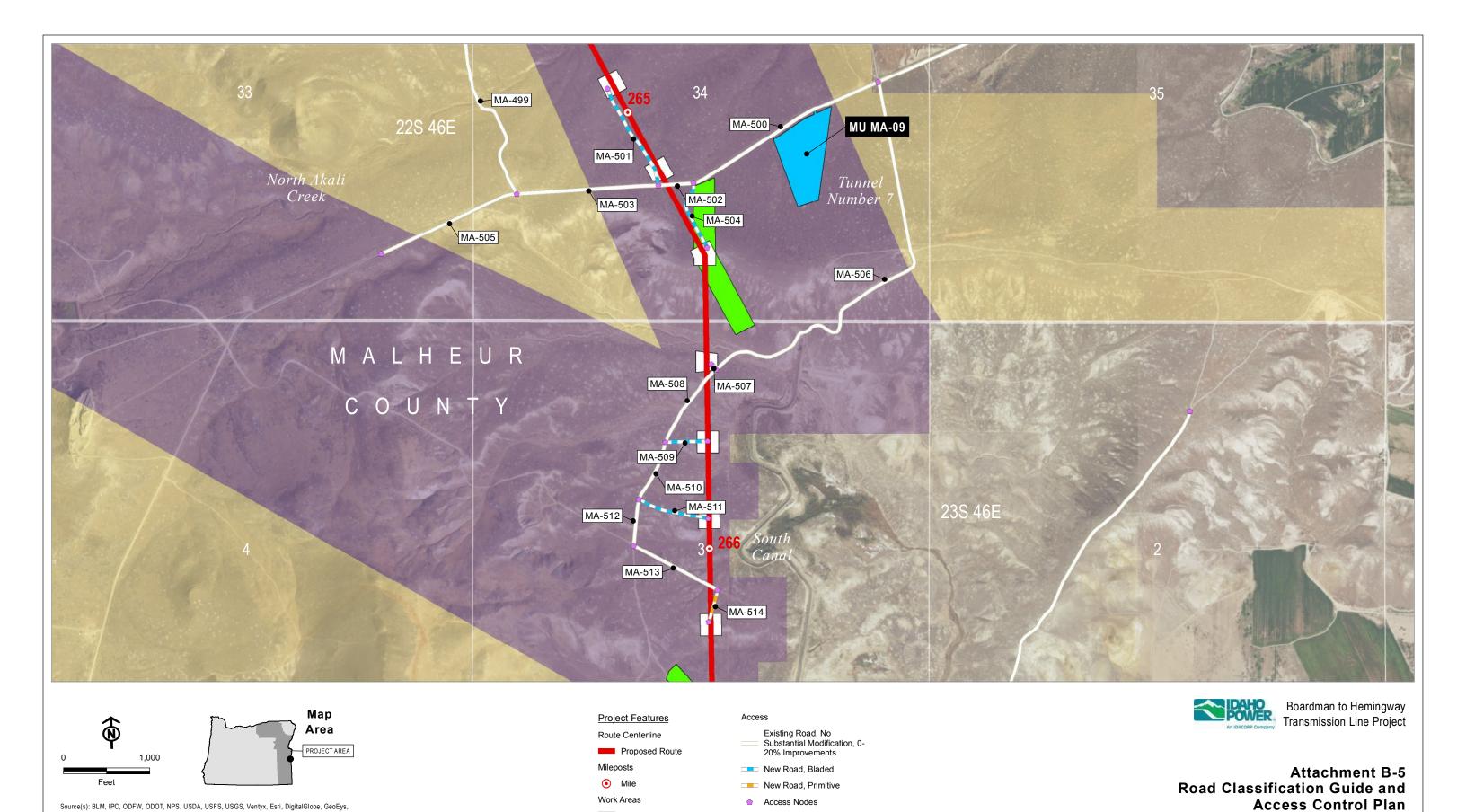
Bureau of Reclamation

Private



Boardman to Hemingway Transmission Line Project

Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Malheur County



Land Status

Private

Bureau of Land

Management

Proposed Route

Malheur County

Map 183

Multi-Use Area

Pulling and Tensioning

Structure Work Area

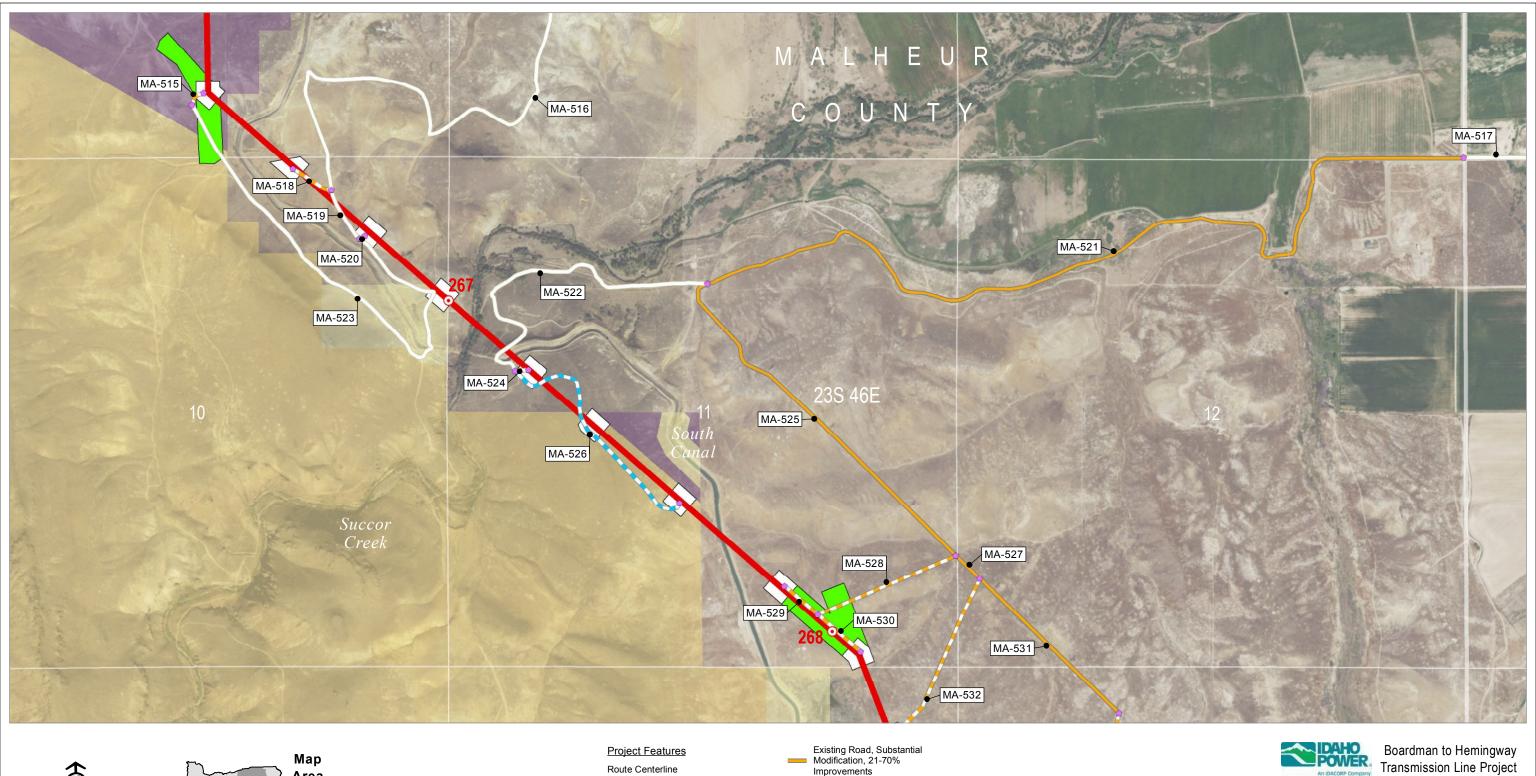
November 2016

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,

Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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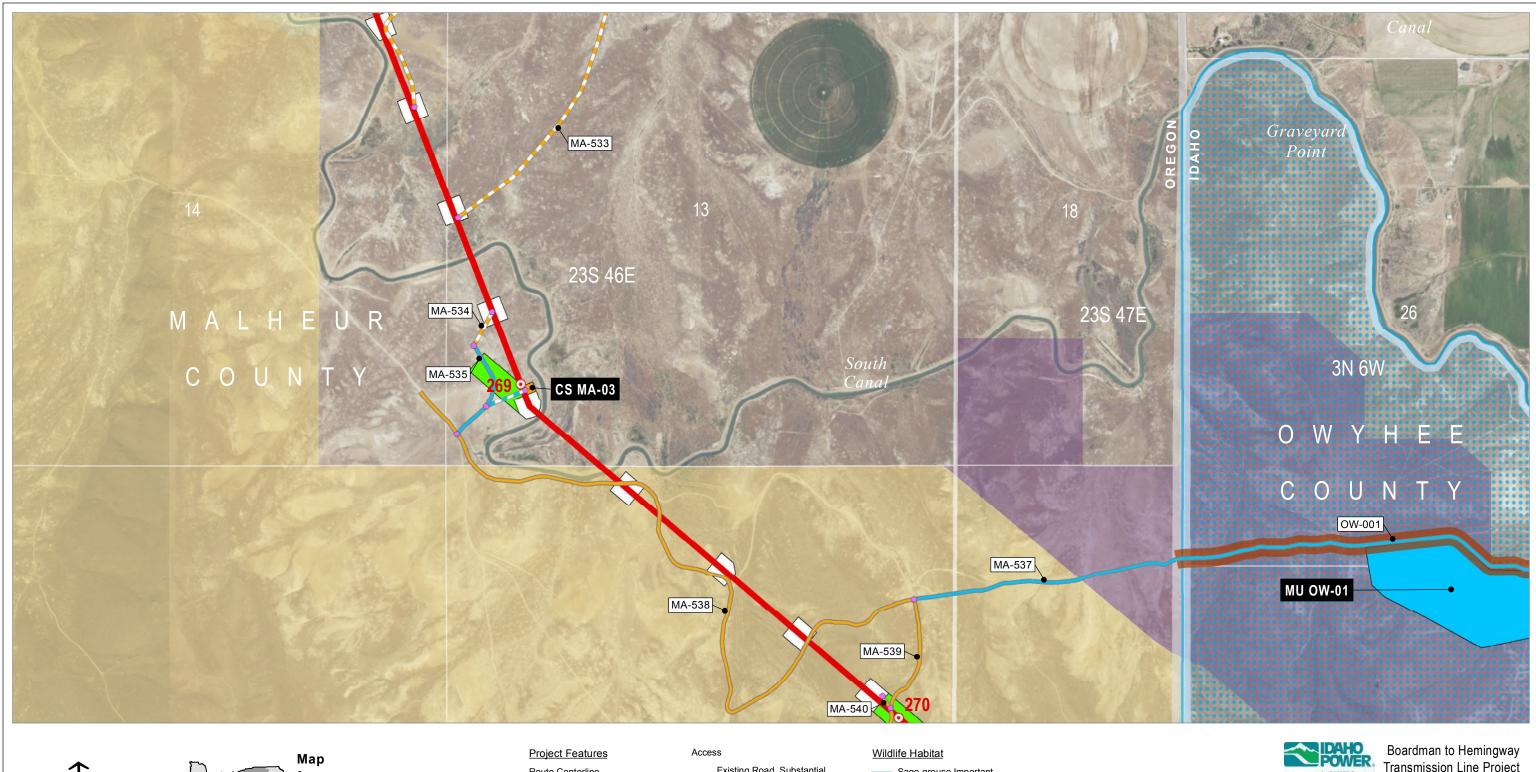
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20% Improvements

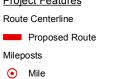
Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County





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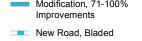
November 2016

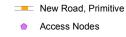




Multi-Use Area Pulling and Tensioning Structure Work Area







Access Indirect Impact Included in Indirect Impact Calculations

Sage-grouse Important Habitat Management Area

## Land Status

Bureau of Land Management

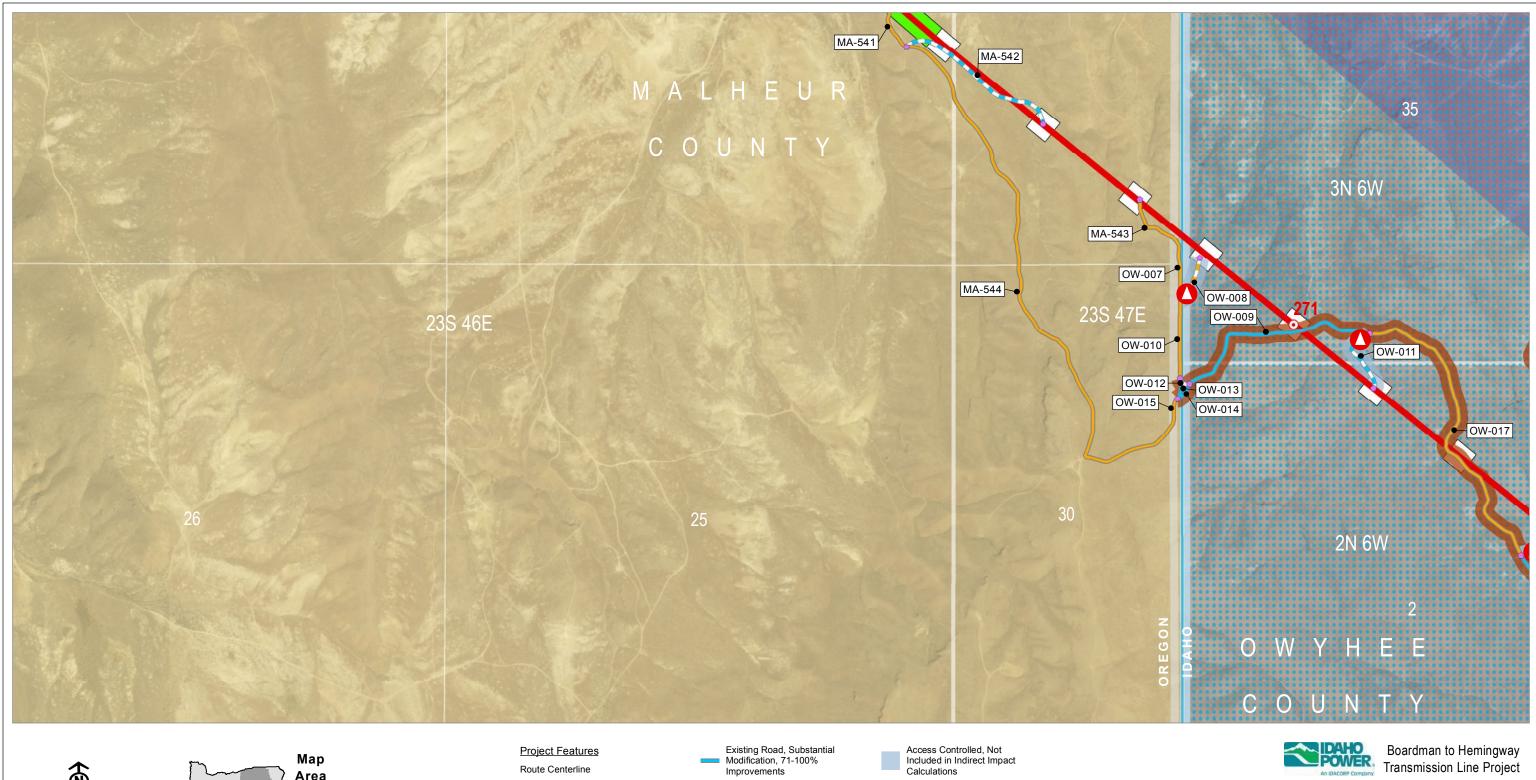
Bureau of Reclamation

Private



Transmission Line Project

# Attachment B-5 **Road Classification Guide and Access Control Plan** Proposed Route Malheur County





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Proposed Route

Mileposts

Mile

Work Areas

Pulling and Tensioning

Structure Work Area

Access

Existing Road, Substantial
Modification, 21-70%
Improvements

New Road, Bladed

New Road, Primitive

Access Nodes

Access Control

⚠ Access Control Location

Access Indirect Impact

Included in Indirect Impact Calculations

Wildlife Habitat

Sage-grouse Important Habitat Management Area

Land Status

Bureau of Land Management Attachment B-5
Road Classification Guide and
Access Control Plan
Proposed Route
Malheur County